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ISSUE 3

Centralised Lubrication Systems



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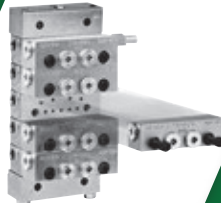
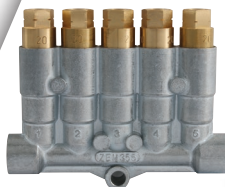


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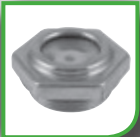


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SECTION

1

GREASE NIPPLES & GREASE GUNS



Grease Nipples

Grease Gun Connector Box

T Ported Blocks

Battery Plate Adaptors

Grease Gun Hoses

Grease Nipple Extensions

Push Guns

Funnels

Pump Sprayers

GREASE NIPPLES

Straight Hydraulic

- Mild steel case-hardened head, zinc plated
- Stress-relieved carbon steel ball and spring
- Conforms to DIN71412, BS1486 and SAEJ534
- Tapered thread
- Includes ball check
- 8,000 psi pressure tested



Specifications can be subject to change without notice.

Product Code	Connection
H0001	1/8" BSP
H0001B	1/8" BSP, Brass*
H0002	1/4" BSP
H0002B	1/4" BSP, Brass*
H0003	3/8" BSP
H0004	1/8" NPT
H0005	1/4" NPT
H0006	1/4" BSF
H0006B	1/4" BSF, Brass*
H0007	5/16" BSF
H0008	3/8" BSF
H0009	1/4" UNF
H0010	1/4" UNF (29mm O/L)
H0011	5/16" UNF
H0012	3/8" UNF
H0013	M16 x 1.5
H0014	5/16" BSW
H0015	M5 x 0.8
H0016	M6 x 0.75
H0017	M6 x 1
H0017B	M6 x 1, Brass*
H0018	M6 x 1 (short thread)
H0019	M6 x 1 (29mm O/L)
H0020	M8 x 1
H0021	M8 x 1.25
H0022	M10 x 1
H0023	M10 x 1.5
H0024	1/4" BSF (29mm O/L)
H0026	2 BA
H0027	1/8" BSP (31mm O/L)
H0029	M12 x 1.75
H0030	M12 x 1.5
H0033	M12 x 1.25
1650	1/8" NPT, Leakproof

* Brass nipples have bronze ball and stainless spring.

45° Hydraulic

- Mild steel case-hardened head, zinc plated
- Stress-relieved carbon steel ball and spring
- Conforms to DIN71412, BS1486 and SAEJ534
- Tapered thread
- Includes ball check
- 8,000 psi pressure tested



Specifications can be subject to change without notice.

Product Code	Connection
H4501	1/8" BSP
H4501B	1/8" BSP, Brass*
H4502	1/4" BSP
H4503	1/8" NPT
H4504	1/4" BSF
H4504B	1/4" BSF, Brass*
H4505	5/16" BSF
H4506	1/4" UNF
H4507	1/4" BSW
H4508	5/16" BSW
H4509	M6 x 1
H4510	M8 x 1
H4511	M8 x 1.25
H4512	M10 x 1
H4513	M10 x 1.5
H4514	3/8" UNF
H4515	3/8" BSF
H4516	5/16" UNF
H4519	M5 x 0.8

65° Hydraulic

- Mild steel case-hardened head, zinc plated
- Stress-relieved carbon steel ball and spring
- Conforms to DIN71412, BS1486 and SAEJ534
- Tapered thread
- Includes ball check
- 8,000 psi pressure tested



Specifications can be subject to change without notice.

Product Code	Connection
H6501	1/8" BSP
H6502	1/8" NPT
H6503	1/4" BSF
H6504	1/4" BSW
H6505	1/4" UNF
H6506	M6 x 1
H6507	M8 x 1
H6508	M10 x 1
H6509	M10 x 1.5
H6510	3/8" UNF
H6511	1/4" BSP

90° Hydraulic

- Mild steel case-hardened head, zinc plated
- Stress-relieved carbon steel ball and spring
- Conforms to DIN71412, BS1486 and SAEJ534
- Tapered thread
- Includes ball check
- 8,000 psi pressure tested



Specifications can be subject to change without notice.

Product Code	Connection
H9001	1/8" BSP
H9002	1/4" BSP
H9003	1/8" NPT
H9004	1/4" BSF
H9005	5/16" BSF
H9006	1/4" UNF
H9007	M6 x 1
H9008	M8 x 1
H9009	M8 x 1.25
H9010	M10 x 1
H9011	M10 x 1.5
H9012	1/4" BSW
H9013	5/16" BSW
H9014	5/16" UNF

Concave

- Conforms to DIN3405
- Tapered thread



Product Code	Connection
C0001	1/8" BSP
C0002	M6 x 1
C0004	1/4" BSP

Ball Type

- Conforms to DIN3402
- Tapered thread



Product Code	Connection
K0001	1/8" BSP
K0017	M6 x 1

Drive Fit

- Plain shank, with ball and spring
- The head dimension corresponds to DIN/ISO for hydraulic-type lubricating nipples



Product Code	Connection
DF0001	3/16" Straight Hydraulic
DF0002	1/4" Straight Hydraulic
DF0003	5/16" Straight Hydraulic
DF0004	6mm Straight Hydraulic
DF0005	8mm Straight Hydraulic
DF0006	10mm Straight Hydraulic
DF0007	4mm Straight Hydraulic

Button Head

- Conforms to BS1486
- Parallel thread
- 16mm diameter head



Product Code	Connection
BH01	1/8" BSP
BH02	1/8" BSP, Brass*
BH03	1/4" BSP
BH04	1/4" BSP, Brass*
BH05	M6 x 1
BH05B	M6 x 1, Brass*
BH06	M8 x 1
BH07	M8 x 1.25
BH08	M10 x 1
BH09	M10 x 1.5
BH10	M12 x 1.5
BH11	1/4" BSP with Check Valve
BH12	1/4" BSF

* Brass nipples have bronze ball and stainless spring.

Specifications can be subject to change without notice.

Giant Button Head

- Conforms to DIN3404
- 22mm diameter head



Product Code	Connection
GBH01	M16 x 1.5
GBH02	3/8" BSP

Industrial Button Head

- Tapered thread
- For heavy duty applications
- Conforming to BS1486
- 22mm diameter head



Product Code	Connection
IBH01	1/8" BSP
IBH02	1/4" BSP
IBH03	3/8" BSP

Drive Fit, Concave



- Conforming to DIN3405

Product Code	Connection
DFC001	1/4"
DFC002	8mm
DFC003	6mm

Bayonet Type



- Head diameter 9.9mm

Product Code	Connection
BAY01	1/8" BSP

Stainless Steel 303



- Material: Stainless V2A, Mat. No 1.4305

Product Code	Connection
SS0001	1/8" BSP Straight Hydraulic
SS0002	1/8" NPT Straight Hydraulic
SS0003	M6 x 1 Straight Hydraulic
SS0004	1/8" BSP Button Head
SS0005	1/4" BSP Button Head
SS0006	1/4" BSP Straight Hydraulic
SS0007	M10 x 1 Straight Hydraulic
SS0009	M8 x 1 Straight Hydraulic
SS0011	M8 x 1.25 Straight Hydraulic
SS0015	M10 x 1.5 Straight Hydraulic
SS4501	1/8" BSP 45° Hydraulic
SS4502	1/4" BSP 45° Hydraulic
SS4503	M8 x 1 45° Hydraulic
SS4504	M8 x 1.25 45° Hydraulic
SS4507	M6 x 1 45° Hydraulic
SS4511	M10 x 1.5 45° Hydraulic
SS9001	1/8" BSP 90° Hydraulic
SS9002	1/4" BSP 90° Hydraulic
SS9003	1/8" NPT 90° Hydraulic
SS9006	1/4" UNF 90° Hydraulic
SS9007	M6 x 1 90° Hydraulic
SS9008	M8 x 1 90° Hydraulic
SS9010	M10 x 1 90° Hydraulic

Stainless Steel 316



- Conforms to DIN71412
- Material: Stainless V4A



Product Code	Connection
SS0001A4	1/8" BSP Straight Hydraulic
SS0003A4	M6 x 1 Straight Hydraulic
SS0006A4	1/4" BSP Straight Hydraulic
SS0007A4	M10 x 1 Straight Hydraulic
SS0009A4	M8 x 1 Straight Hydraulic
SS0011A4	M8 x 1.25 Straight Hydraulic
SS0015A4	M10 x 1.5 Straight Hydraulic

Grease Nipple Selection Box



Metric Contents

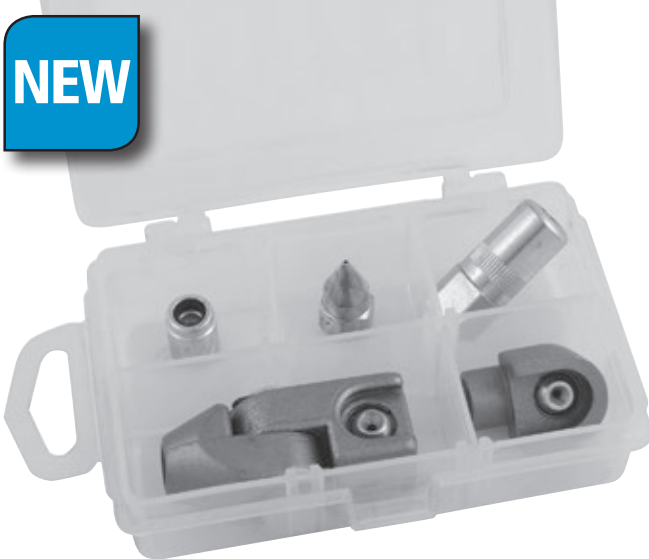
Qty:	Type:
10	M6 x 1 Straight
8	M6 x 1 45° Angle
8	M6 x 1 90° Angle
10	M8 x 1 Straight
8	M8 x 1 45° Angle
8	M8 x 1 90° Angle
10	M10 x 1 Straight
8	M10 x 1 45° Angle
8	M10 x 1 90° Angle
1	Hydraulic Connector

Imperial Contents

Qty:	Type:
20	1/8" BSP Straight
6	1/4" BSP Straight
10	1/4" UNF Straight
10	1/4" UNF Long Straight
10	1/8" BSP 90° Angle
5	1/4" BSP 90° Angle
10	1/4" UNF 45° Angle
10	1/4" UNF 90° Angle
1	Hydraulic Connector

Product Code	Size
54-7010	Metric
54-7011	Imperial

Grease Gun Connector Selection Box



Contents

Qty:	Type:
1	PK101 Hook On Connector
1	PK102 4 Jaw Hydraulic Connector
1	PK103 Knuckle-jointed Connector
1	PK105 Hydraulic Nozzle Connector
1	PK106 Pointed Connector

Product Code
54-7000

Economy Grease Nipple Selection Kit

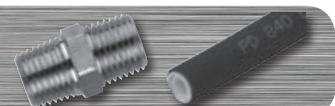


Contents

Qty:	Type:	Qty:	Type:
5	1/8" BSP Straight	5	M8 x 1 45° Angle
5	1/4" BSP Straight	5	M10 x 1 45° Angle
5	M6 x 1 Straight	5	1/8" BSP 90° Angle
5	M8 x 1 Straight	5	1/4" BSP 90° Angle
5	M10 x 1 Straight	5	M6 x 1 90° Angle
5	1/8" BSP 45° Angle	5	M8 x 1 90° Angle
5	1/4" BSP 45° Angle	5	M10 x 1 90° Angle
5	M6 x 1 45° Angle		

Product Code
54-7016

FOR FITTINGS & TUBE, SEE SECTION 9



ACCESSORIES FOR REMOTE GREASING

Grease Nipple Extensions

- Material: Brass
- Thread M6 x 1 both ends
- For use with M6 x 1 grease nipples, M6 x 1 female connection



Product Code	Connection
EXT31XM6X1	M6 x 1 x 31mm, Cylindrical
EXT60XM6X1	M6 x 1 x 60mm, Cylindrical

Straight Extensions

NEW



- Material: Steel

Product Code	Male Thread	Female Thread	O/A Length mm	Extended Length mm
CE21/HEX	1/8" BSP	1/8" BSP	19	12
CE22/HEX	1/8" BSP	1/8" BSP	31	25

Thread Gauges



Product Code	Description
070000	Metric Thread Gauge
070001	Whitworth BSP Gauge
070002	SAE-BSF Thread Gauge

Battery Blocks

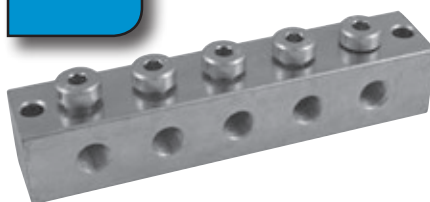
- Material: steel
- Two mounting holes
- Thread 1/8" BSP



Product Code	Description
BB01	1 Way
BB02	2 Way
BB03	3 Way
BB04	4 Way
BB05	5 Way
BB06	6 Way
BB08	8 Way

T-Ported Blocks

NEW



- Material: steel, galvanised surface
- T-drilled, threaded M10 x 1
- Can be used as a straight or 90° type block by removing the blanking plugs from the sides

Product Code	Description
TP01	1 Way
TP02	2 Way
TP03	3 Way
TP04	4 Way
TP05	5 Way
TP06	6 Way
TP08	8 Way

Battery Plate Adaptors

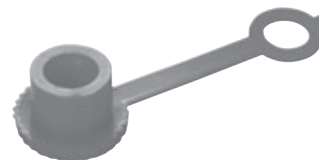
- Material: brass
- For use with 1/8" BSP grease nipples 1/8" BSP female
- With nut and olive



Product Code	Connection
BPA6M/1	6mm OD Tubing, 12mm Plate
BPA6M/2	6mm OD Tubing, 19mm Plate
BPA3/2	3/16" OD Tubing, 12mm Plate
BPA4/2	1/4" OD Tubing, 19mm Plate

Grease Nipple Caps

- Material: plastic
- For use with hydraulic grease nipples



Product Code	Colour
PKCB	Blue
PKCR	Red
PKCY	Yellow
PKCG	Green

FOR ANCILLARY EQUIPMENT, SEE SECTION 11



GREASE GUNS

Side Lever Grease Guns

- Bulk or cartridge fill
- Permanent spring load design
- Filler nipple
- Plastic hand grip
- Air release valve
- 1/8" BSP



PK75A



PK75R

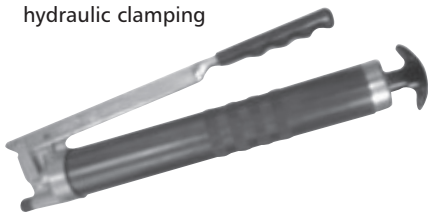


PK75LL

Product Code	Description
PK75A	1/8 BSPT, 400cc, Heavy Duty, Body Only
PK75R	1/8 BSPT, 400cc, Rigid Ext, 4 Jaw Conn.
PK75LL	1/8 BSPT, 1000cc, Bulk Fill Gun, Body Only

Abnox Grease Gun

- For 400g or 500g bulk fill
- Screw type air release and tapered filling adaptor
- Pressure capability: 500 bar (8,500 psi)
- 1/8" BSP thread
- Suitable for silicone grease
- Heavy duty
- Version available for hydraulic clamping



Product Code	Description
37590	Body Only

Pistol Grip Grease Gun

- Air release valve/filler point, for use with filler pumps
- Pressure capability over 300 bar, zinc plated
- New ergonomically engineered heavy duty design
- Delivery tube can be fitted either horizontally or vertically
- With 6" (150mm) rigid tube and 4 jaw hydraulic connector
- Thread: 1/8" BSP



Product Code	Description
PK85	For 400g Cartridge

One Hand Grease Gun

- With 4" (100mm) rigid tube and 4 jaw hydraulic connector
- Pressure capability: 200 bar
- Dual outlet for one hand or mini side lever action



Product Code	Description
PK85A	85g Capacity

Side Lever Oil Gun

- High pressure screw-type oil gun
- Air release valve
- Short stroke delivery
- Special piston for use with oil
- Rigid tube 6" (150mm) and 4 jaw hydraulic connector
- With non-return valve
- Thread: 1/8" BSP



Product Code	Description
PK073	500cc Capacity

Suction Oil Gun

- Plunger-operated for gearbox filling and emptying
- With flexible suction tube

NEW

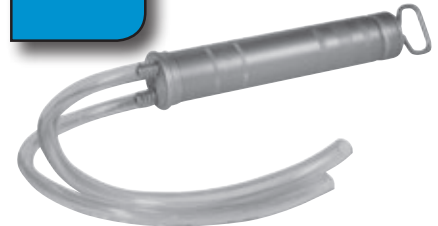


Product Code	Description
SOG1	500cc Capacity

Dual Action Transfer Pump

- 500cc volume displacement
- For oils, anti-freeze and fuels
- 500mm suction and transfer hoses

NEW



Product Code	Description
3460020	500cc Capacity

Fixing Clip for Grease Guns

- Fixing clip for grease guns and other devices with a tube of 56mm diameter
- Suitable for universal attachment to the workplace
- With mounting ho

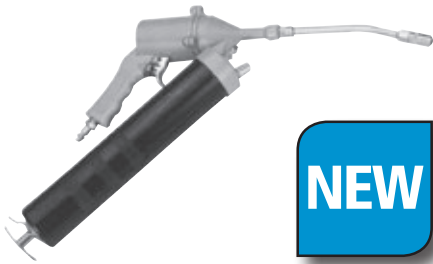
NEW



Product Code
3246075

Air Operated Grease Gun

- Maximum air pressure: 10 bar
- Air connection: 1/4" BSPF
- Universal gun for use with cartridges (400cc) or bulk (500cc)



NEW

Product Code
2020-7312

'Clear Vision' Side Lever Grease Gun

- Die cast aluminium fittings with polycarbonate barrel
- Develops 10,000psi/690 bar
- Tough and impact-resistant with bulk loader and air bleeder
- 1g/stroke
- Includes a 6" (150mm) steel extension and 4 jaw connector



NEW

Product Code	Description
PK75B	400g Cartridge-type or Bulk Fill

Push Gun

- 150ml push type gun for oil or grease
- Metal body
- Supplied with hydraulic and pointed nozzle connectors
- 200 bar
- High pressure type push gun



Product Code	Description
3261504	For Grease
3261580	For Oil

Air Operated Continuous Flow Grease Gun

- Continuous flow with unique feature of 360° swivelling head for ease of use
- For standard grease cartridges or bulk fill
- Supplied with rigid tube and 4 jaw connector
- 40:1 pressure ratio
- Recommended air pressure: 4 to 10 bar



NEW

Product Code	Description
PNO	Air Operated Grease Gun

Economy Battery Operated Grease Gun

- Battery operated cordless grease gun for 400g cartridges
- Supplied with two 1500 mAh 12V batteries and fast charger
- Gun is fitted with 750mm delivery hose with spring protection and 4 jaw hydraulic connector
- Battery connector fitted with swivel mechanism
- Ram rod plunger system for positive insertion into cartridge
- Push button air release valve for easy bleeding of air locks
- A powerful DC motor drive, with planetary gear box and reciprocating piston yields up to 7000 psi of pressure
- Delivery: 60cc per min, approx
- All packed in robust carry case
- Complete kit supplied with 2 batteries



NEW

Product Code
ELGCH

Heavy Duty Battery Operated Electric Grease Gun Kit

Robust 14.4V battery operated grease gun with filler nipple/air release valve, for 400g standard cartridges or 500g bulk fill. A powerful DC motor drive, with planetary gearbox and reciprocating piston, yields up to 400 bar of grease pressure. Maximum pressure is limited by an inbuilt relief valve.

- Battery operated grease gun, 14.4V Li-Ion battery, 3,000 mAh
- Delivery: 100cc per min, approx
- Electronically controlled fast charger with overload protection (1.5 hour charge time)
- High pressure 750 mm rubber hose (burst pressure: 1,650 bar) with 4 jaw hydraulic coupler (R1/8") in carry case with space for spare battery and grease cartridge



NEW

AccuLuber 14.4-S Li-Ion

Product Code
3427139

- More powerful Li-Ion-Battery, 14.4 DC/3.000 mAh, with double power as compared to Ni-Cd version
- Must be charged only with Li-Ion charger
- Charging time: 1.5 hours approx



NEW

Spare Battery for AccuLuber 14.4-S + LS Li-Ion

Product Code
3427405

Grease Gun Connectors

Standard
Hook-on Connector,
1/8" BSP



Product Code	For Use With
PK101	16mm Button Head Nipples

Standard
4 Jaw Connector, 1/8" BSP



Product Code	For Use With
PK102	Hydraulic Nipples

NEW

Heavy Duty
4 Jaw Connector, 1/8" BSP



Product Code	For Use With
PK102HD	

Knuckle Jointed
Slide-on Connector, 1/8" BSP



Product Code	For Use With
PK103	16mm Button Head Nipples

Giant Button
Head Connector,
1/8" BSP



Product Code	For Use With
PK104	22mm Button Head Nipples

Hydraulic
Nozzle Connector,
1/8" BSP



Product Code	For Use With
PK105	Hydraulic & Ball Type Nipples

Pointed Connector, 1/8" BSP



Product Code	For Use With
PK106	Concave Nipples

90° 4 Jaw
Hydraulic Connector, 1/8" BSP



Product Code	For Use With
OA12073	Hydraulic Nipples

Push-on Connector,
1/8" BSP



Product Code	For Use With
OA12077	16mm Button Head Nipples

- For use with 4 Jaw Connector

Needle Connector

Product Code	For Use With
PK200XS	Grease Nipples

NEW

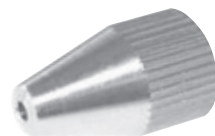
Miniature Hook-on Connector,
1/8" BSP



Product Code	For Use With
PK112	10mm Miniature Button Head Nipples

NEW

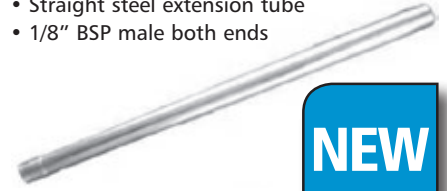
Conical Connector, 1/8" BSP



Product Code	For Use With
PK107	Concave Nipples

Grease Gun Tubes
& Hoses

- Straight steel extension tube
- 1/8" BSP male both ends



NEW

Straight Steel Tubes

Product Code	Description
SRT6	Straight Steel Tube, 6" (150mm)
SRT10	Straight Steel Tube, 10" (250mm)

- Cranked steel extension tube
- 1/8" BSP male both ends



Rigid Tubes

Product Code	Description
PK110G	Bent, 6" (150mm)
PK111G	Bent, 10" (250mm)

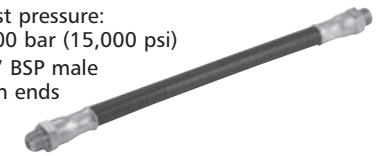
- Multiple braid, h.p. nylon hose Ø 9mm
- Burst pressure 1,000 bar, 14,450 psi
- Hexagonal end fittings for safe connection to grease gun
- 1/8" BSPT Male both Ends



Nylon Hoses

Product Code	Hose Size
PK209	9" (230mm)
PK212	12" (300mm)
PK220	20" (500mm)

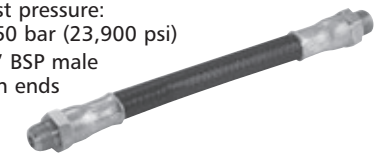
- Burst pressure:
1,000 bar (15,000 psi)
- 1/8" BSP male both ends



Heavy Duty Polymer Hoses

Product Code	Hose Size
PK209HD	9" (230mm)
PK212HD	12" (300mm)
PK220HD	20" (500mm)

- Burst pressure:
1,650 bar (23,900 psi)
- 1/8" BSP male both ends



High Pressure Rubber Hoses

Product Code	Hose Size
PK209HP	9" (230mm)
PK212HP	12" (300mm)
PK220HP	20" (500mm)
PK240HP	40" (1,000mm)

GREASE

Lithium No.2 Grease Cartridge

- Multipurpose bearing grease, No.2 consistency for conventional applications



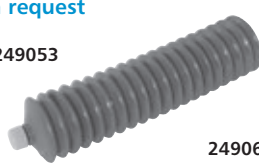
Product Code	Description
EP-2	400g

FS2 Grease Cartridges

Technical data sheet available on request



249053



249063



Product Code	Description
249053	FS2/400CC
249063	FS2/700CC

Multipurpose Grease

12.5 Kg Keg of Grease



Product Code
EP12.5

High Performance Fluid Grease

- Fluid grease 000 for use with AC/AX and single line centralised lubrication systems



25717-284

Product Code	Description
25717-284	12 x 1 Litre Bottles
25717-284/12.5	12.5 Kg Drum

FUNNELS, OIL CANS & JUGS

Funnels

- Fixed funnel complete with diesel/water separation filter
- 12" x 8"



Plastic Garage Funnel with Filter

Product Code
FG12/SA

- For waste oil



Plastic Drain Bowls

Product Code	Capacity
RDB14	14 Litre

- F-PP, oil, petrol and acid-resistant with suspension eye
- Four piece set



Plastic Funnel Set

Product Code	Diameter
3351300	55 / 75 / 100 / 120mm

- Red plastic funnel with strainer and flexible screw-on detachable spout



Plastic Funnel with Detachable Spout

Product Code	Diameter
3351670	160mm

- Plastic funnel with stainless steel strainer and lockable flap lid
- Suitable for waste oil and chemical disposal
- Material: PP
- Diameter: 250mm
- Thread: R2" and 2" TriSure, male



Plastic Funnel with Flap Lid

Product Code	Diameter
3351700	250mm



- Plastic funnel made of heavy duty polythene with screw-on flexible spout

Plastic Funnel with Strainer

Product Code	Diameter
3351809	190mm
3352202	240mm



- High quality tin plate funnel with strainer
- 0.7mm, handle, and removable straight outlet

Tin Plate Funnel with Strainer & Rigid, Straight Outlet

Product Code	Diameter
3361600	160mm
3361709	200mm
3361808	240mm

Oil Cans & Premium Oilers

- Interchangeable spouts
- Steel body
- Painted finish
- Brass pump mechanism



Metal Pump Mechanism

Product Code	Description
54-5111/G	120cc Capacity, Rigid Spout Only
54-5131/G	300cc Capacity, Flexible & Rigid Spouts
54-5151/G	500cc Capacity, Flexible & Rigid Spouts

- Body material: HDPE
- Complete with flexible and rigid spouts



Plastic Oil Can with Rigid & Flexible Spout

Product Code	Capacity
54-5252/G	500cc

- High grade oiler for professional use in all maintenance and service areas, containers made of HDPE
- Newly developed, high quality brass double pump mechanism with angled, rotating swivel
- Oiling in every position possible

NEW



Premium Oiler, HDPE, with Swivel Pump

Product Code	Capacity
3308100	500cc

Pump Sprayers

- Made of polythene
- Suitable for various chemicals, e.g. detergents, solvents and cleaning agents
- Spray head with adjustable and lockable plastic nozzle



NEW

Pump Sprayer

Product Code	Capacity
3309640	750ml

- Industrial pump sprayer made of polythene with pressure relief valve
- Suitable for various chemicals, e.g. detergents, solvents and cleaning agents
- Spray head with adjustable and lockable brass nozzle
- Viton seals



NEW

Industrial Pump Sprayer

Product Code	Capacity
3309800	1 Litre
3309848	2 Litre

Oil Measures & Jugs

- Made of high grade polythene, white, heavy duty with dust protection screw cap and flexible, removeable spout with cap
- Fluids are protected against the ingress of pollutants and the cap prevents drips or spillages



Polythene Oil Measure with Dust Protection Lid

Product Code	Capacity
3320010	1 Litre
3320027	2 Litre
3320030	3 Litre
3320058	5 Litre

NEW

- Made of white heavy duty high grade polythene



Polythene Oil Measures

Product Code	Capacity
SDMF15	1.5 Litre
SDMF50	5 Litre

NEW

- Transparent polypropylene with handle and pouring lip
- Millilitre scale
- Pack quantities (MPQ) subject to change without notice



Plastic Oil Measuring Jug, Graduated

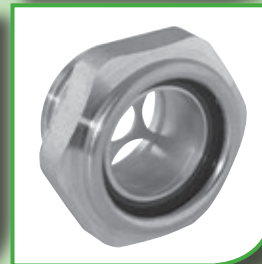
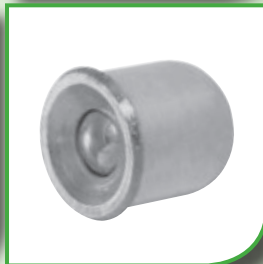
Product Code	Capacity	MPQ
3330064	0.25 Litre	24
3330002	0.5 Litre	24
3330019	1 Litre	15
3330026	2 Litre	7
3330033	3 Litre	5
3330057	5 Litre	8

NEW

SECTION

2

SINGLE POINT LUBRICATORS



Perma Lubricators
Spring Greasers
Multi-point Lubricators
Drip Feed Lubricators
Oil Reservoirs
Oil Cups
Ball Valve Oilers
Oil Levels
Oil Windows
Vent Screws

perma[®] LUBRICATORS

Perma Lubricators are a tried and tested design for providing simple and efficient single point lubrication.

Perma Classic

- Gas operated, the Perma Classic is activated by tightening the colour coded plastic screw until the ring eyelet is snapped off (usually using a screwdriver). Lubrication period is determined by the colour of the activating screw
- Perma Classic contains 120cc of lubricant
- Perma Classic is threaded 1/4" BSP
- A range of adaptors are available to suit most application points



Product Code	Description
01001001	SF01 Multipurpose Grease
01002001	SF02 Extreme Pressure Grease
01003001	SF03 High Temperature Grease 220
01004001	SF04 High Temperature Grease 160
01005001	SF05 High Temperature/Extreme Pressure Grease 160
01006001	SF06 Fluid Grease
01008001	SF08 Low Temperature Grease
01009001	SF09 Bio Grease
01010001	SF10 Food Grade Grease USDA-H1
01414001	S014 High Performance Oil
01432001	S032 Multipurpose Oil
01464001	S064 Bio Oil (Thin Bodied)
01469001	S069 Bio Oil (Thick Bodied)
01470001	S070 Food Grade Oil USDA-H1

Activating Screws for Perma Classic

- Colour coded activating screws for different lubrication cycles



Product Code	Description
20001001	1 Month/Yellow
20001003	3 Months/Green
20001006	6 Months/Red
20001012	12 Months/Grey

Perma Star

- Fully automatic operation independent of temperature
- Electromechanical drive with exchangeable battery set
- Transparent plastic casing
- Drive unit is reusable
- 4 discharge periods (1, 3, 6, 12 months) set by dip switches in the drive unit
- LC-unit cartridge available in 60cc, 120cc, 250cc (lubrication canister) replaceable on site
- Corrosion proof, dust proof and splash proof (IP65)

Order Grease Cartridge (LC unit), Drive Unit and Battery Pack separately to make a complete unit.



Replacement Perma Star Cartridges, M120

Product Code	Grease Cartridge For
16001348	SF01 Perma Star, Multipurpose Grease
16002348	SF02 Perma Star, Extreme Pressure Grease
16003348	SF03 Perma Star, High Temperature Grease 220
16004348	SF04 Perma Star, High Temperature Grease 160
16005348	SF05 Perma Star, Extreme High Temperature/Pressure Grease 160
16006348	SF06 Perma Star, Fluid Grease
16008348	SF08 Perma Star, Low Temperature Grease 50
16009348	SF09 Perma Star, Bio Grease
16010348	SF10 Perma Star, Food Grade Grease USDA-H1
16414348	S014 Perma Star, High Performance Oil
16432348	S032 Perma Star, Multipurpose Oil
16464348	S064 Perma Star, Bio Oil (Thin Bodied)
16469348	S069 Perma Star, Bio Oil (Thick Bodied)
16470348	S070 Perma Star, Food Grade Oil USDA-H1

Drive Unit & Battery Pack for Perma Star



Product Code	Description
21002381	Star Vario Drive Unit
21000000	Star Vario Battery

FOR LUBRICATION BRUSHES, SEE SECTION 5



Perma Electromechanical Multi-point Lubricator

NEW



PRO Drive Unit

Product Code
2290001601

Accessories

Product Code	Description
2299001606	PRO Battery B
2299002607	PRO Battery B Plus (Low Temperature)
2291000000	PRO Distributor MP-6 (Please state number of outlets and which outlets should be activated)

Replacement Perma PRO Drive Cartridges, LC

Product Code	Description
2230001609	SF01 Perma PRO Drive, Multipurpose Grease
2230002609	SF02 Perma PRO Drive, Extreme Pressure Grease
2230003609	SF03 Perma PRO Drive, High Temperature Grease
2230004609	SF04 Perma PRO Drive, High Performance Grease
2230005609	SF05 Perma PRO Drive, High Temperature/Pressure Grease
2230006609	SF06 Perma PRO Drive, Liquid Grease
2230008609	SF08 Perma PRO Drive, High Speed Grease
2230009609	SF09 Perma PRO Drive, Multipurpose Bio Grease
2230010609	SF10 Perma PRO Drive, Food Grade Grease NSF H1

PRO Cover for LC

Product Code
2299102000

Perma Accessories

- Material: brass
- 1/4" BSP Female



Adaptors

Product Code	Description
A501	Reducer 1/8" BSP
A151	Reducer 1/4" BSP
A511	Reducer M6 x 1
A514	Reducer M8 x 1
A515	Reducer M8 x 1.25
A518	Reducer M10 x 1
A520	Reducer M10 x 1.5
A525	Reducer M12 x 1
A526	Reducer M12 x 1.5

NEW

260012150



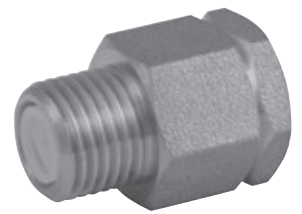
26001100



Brackets

Product Code	Description
26001100	A100 Steel Zinc Plated Clamp
260012150	A150 Bracket

Oil Throttle



Product Code	Description
A810	Required with all Oil Filled Perma Lubricators

Perma Futura and Frost Lubricators also available on request.

FOR TUBING, SEE SECTION 9



GREASOMATIC® LUBRICATORS

- Injects lubricant continuously for a preselected period of up to 12 months
- The self-contained automatic lubricator with the unique adjustable galvanic element
- 7 discharge rates available (1, 2, 3, 4, 6, 8, & 12 months)
- Easy duration setting and activation using only the built in controls
– no separate components or tools needed
- 1/4" BSP connection



Standard Grease Fillings

Multipurpose Grease

Product Code	Description
GR01L	Grease MP

Foodstuff & Pharmaceutical Grease

Product Code	Description
GR01F	Grease FG

High Temperature Foodstuffs & Pharmaceutical Grease

Product Code	Description
GR01FHT	Grease FHT

Open Gear Grease

Product Code	Description
GR01G	Grease OG

Very High Temperature Grease

Product Code	Description
GR01H	Grease HT

Extreme Pressure Grease

Product Code	Description
GR01M	Grease EPM

Chaindrive & Slideway Grease

Product Code	Description
GR01C	Grease CS

Waterproof Grease

Product Code	Description
GR01W	Grease WP

Chemical-resistant Grease

Product Code	Description
GR01CR	Grease CR



Standard Oil Fillings

General Purpose Oil

Product Code	Description
GR01GP	Oil GP

Airline Lubrication Oil

Product Code	Description
GR01AL	Oil AL

Foodstuff & Pharmaceutical Oil

Product Code	Description
GR01FS	Oil FS

Slideway & Chaindrive Oil

Product Code	Description
GR01SC	Oil SC

FOR ADAPTORS, SEE SECTION 9



GREASE & OIL LUBRICATORS

LubeSite Systems, Inc.

- Flow rate adjustable by change of spring
- Units are assembled with medium spring
- Light and heavy duty springs available
- Brushes and adaptors available to suit
- For grease and oil
- Refillable/reusable low pressure operation
- Can use with any NLGI # 0-4 non-separating grease

200 Series

- Polycarbonate dome and base
- For applications with minimal vibration, impact, shock, high torque or centrifugal forces

 **Operating Temperature Range:**
-23°C to +121°C

1/8" BSP



Product Code	Description
SL202	1oz
SL205	2oz
SL260	6oz

300 Series

- Polycarbonate dome and lightweight anodized aluminium base
- Designed for applications subject to vibration, impact, shock, high-torque or centrifugal forces

 **Operating Temperature Range:**
-23°C to +121°C

1/8" BSP



Product Code	Description
SL302	1oz
SL305	2oz
SL360	6oz

500 Series

- All 500 Series models have polycarbonate domes and nickel chrome plated lightweight aluminium bases
- Nickel chrome, double plated for applications where corrosive resistance is required, such as chemical and food processing applications
- The piston seal ring in the 500 Series is fabricated from chemical-resistant Viton

 **Operating Temperature Range:**
-23°C to +121°C

1/8" BSP



Product Code	Description
SL502	1oz
SL505	2oz
SL560	6oz

Also available with NPT threads.

704 Series

- A tempered borosilicate glass dome with a stainless steel cap, base is lightweight, anodized aluminium
- Allows precise dispensing of grease to a bearing in ambient temperatures up to 450°F (232°C)
- For applications in steel mills, foundries, wood drying kilns, glass plants, nuclear environments and metal heat-treating facilities

1/8" BSP

Product Code	Description
SL704	4oz



Spring Greasers

- Material: brass and steel, plexiglass reservoir, nitrile seals
- Capacity: 50cc
- Refillable via grease nipple
- Visual level indication
- Max temperature: 60°C
- For grease



Product Code	Description
LUSBK1501	1/8" BSP, Fixed Flow Rate
LUSBK2501	1/4" BSP, Fixed Flow Rate
LUSBK3501	3/8" BSP, Fixed Flow Rate
LUSBK1502	1/8" BSP, Adjustable Flow Rate
LUSBK2502	1/4" BSP, Adjustable Flow Rate
LUSBK3502	3/8" BSP, Adjustable Flow Rate
LUSBK1503	1/8" BSP, Adjustable Flow Rate & On/Off
LUSBK2503	1/4" BSP, Adjustable Flow Rate & On/Off
LUSBK3503	3/8" BSP, Adjustable Flow Rate & On/Off

Drip Feed Oilers

- Polycarbonate dome
- Lightweight anodized aluminium base
- Needle valve drip rate can be seen in the flow sight
- Oil flow can be stopped simply by shutting the valve

1/8" BSP

Product Code	Description
D4	4oz (120ml)
D8	8oz (240ml)

A cam-lock valve flow sight is also available with drip oilers as an alternative method for precise metering applications.



Wick Feed Oilers

- Polycarbonate domes and lightweight anodized aluminium bases
- Used in applications where precise oiling is required
- The wick material provides easily controlled oiling rates

1/4" BSP

Product Code	Description
W4	4oz (120ml)
W8	8oz (240ml)



Gravity Feed Oilers

- All gravity oilers have polycarbonate domes and lightweight anodized aluminium bases
- Maintain a constant flow to oil-lubricated bearings
- Applications such as food processing plants where there would be the danger of broken glass from oil-style oilers
- These units can also be used as an oil level indicator, reserve reservoir or for back pressure relief on machine start-up

1/8" BSP

Product Code	Description
G4	4oz (120ml)
G8	8oz (240ml)



DRIP FEED LUBRICATORS

Drip Feed Lubricators

- Material: brass, nitrile and fibre seals, glass or Plexiglass reservoirs
- Manual on/off
- Single outlet
- Needle valve oil feed adjustment
- Max temp: glass 80°C, Plexiglass 70°C



Glass Reservoir

Product Code	Thread	Reservoir Dia/mm	Overall Height	Capacity
LUGSF130	1/8 BSP	30	108mm	14ml
LUGSF230	1/4 BSP	30	108mm	14ml
LUGSF240	1/4 BSP	40	121mm	36ml
LUGSF340	3/8 BSP	40	121mm	36ml
LUGSF250	1/4 BSP	50	137mm	78ml
LUGSF350	3/8 BSP	50	137mm	78ml
LUGSF360	1/4 BSP	60	151mm	140ml
LUGSF360	3/8 BSP	60	151mm	140ml
LUGSF268	1/4 BSP	60	171mm	200ml
LUGSF368	3/8 BSP	60	171mm	200ml
LUGSF380	3/8 BSP	80	199mm	500ml
LUGSF480	1/2 BSP	80	199mm	500ml
LUGSF4100	1/2 BSP	100	224mm	1000ml
LUGSF5100	3/4 BSP	100	224mm	1000ml

Plexiglass Reservoir

Product Code	Thread	Reservoir Dia/mm	Overall Height	Capacity
LUPSF130	1/8 BSP	30	108mm	14ml
LUPSF230	1/4 BSP	30	108mm	14ml
LUPSF240	1/4 BSP	40	121mm	36ml
LUPSF340	3/8 BSP	40	121mm	36ml
LUPSF250	1/4 BSP	50	137mm	78ml
LUPSF350	3/8 BSP	50	137mm	78ml
LUPSF260	1/4 BSP	60	151mm	140ml
LUPSF360	3/8 BSP	60	151mm	140ml
LUPSF268	1/4 BSP	60	171mm	200ml
LUPSF368	3/8 BSP	60	171mm	200ml
LUPSF380	3/8 BSP	80	199mm	500ml
LUPSF480	1/2 BSP	80	199mm	500ml
LUPSF4100	1/2 BSP	100	224mm	1000ml
LUPSF5100	3/4 BSP	100	224mm	1000ml

Manual On/Off Single Outlet

 Max. Working Temperature: +65°C

- Material: steel
- Finish: nickel
- Bottle: plastic
- Seals: Stencorra
- Sight chamber: aluminium



1/8 BSP

Product Code	Capacity ml
LUUSF7402	21
LUUSF7409	42
LUUSF7416	70

1/4 BSP

Product Code	Capacity ml
LUUSF7403	21
LUUSF7410	42
LUUSF7417	70
LUUSF7424	98
LUUSF7431	140
LUUSF7438	182

3/8 BSP

Product Code	Capacity ml
LUUSF7432	140
LUUSF7439	182

Wick Feed Single Outlet

 Max. Working Temperature: +65°C

- Material: steel
- Finish: zinc
- Bottle: plastic



1/8 BSP

Product Code	Capacity ml
LUSWF7701	17
LUSWF7706	35

1/4 BSP

Product Code	Capacity ml
LUSWF7712	63
LUSWN7717	84

Manual On/Off Single Outlet – Large Filler

 Max. Working Temperature: +80°C

- Material: brass
- Finish: natural brass
- Bottle: glass
- Seals: fibre and nitrile 80



1/8 BSP

Product Code	Capacity ml
LUGSL130	15

1/4 BSP

Product Code	Capacity ml
LUGSL230	15
LUGSL250	80
LUGSL260	150
LUGSL268	200

3/8 BSP

Product Code	Capacity ml
LUGSL350	80
LUGSL360	150
LUGSL368	200
LUGSL380	400

1/2 BSP

Product Code	Capacity ml
LUGSL480	400

 Max. Working Temperature: +70°C

- Material: brass
- Finish: natural brass
- Bottle: Plexiglass
- Seals: fibre and nitrile 80



1/8 BSP

Product Code	Capacity ml
LUPSL130	15

1/4 BSP

Product Code	Capacity ml
LUPSL230	15
LUPSL240	35
LUPSL250	80
LUPSL260	150
LUPSL268	200

3/8 BSP

Product Code	Capacity ml
LUPSL340	35
LUPSL350	80
LUPSL360	150
LUPSL368	200
LUPSL380	400

1/2 BSP

Product Code	Capacity ml
LUPSL480	400

FOR MANIFOLDS, SEE SECTION 5



Solenoid Operated Single Outlet

 Max. Working Temperature: +80°C

- Material: brass
- Finish: nickel
- Bottle: glass
- Seals: fibre and nitrile 80
- Electrical rating: 12VA IP 20 (DIN 40050)



When ordering, please state voltage.
Voltages available: 12V DC, 24V DC, 24V AC, 110V 50Hz, 230V 50Hz, 415V 50Hz.

Internal Thread 1/2 BSP x
External Thread 1/4 BSP

Product Code	Capacity ml
LUGSD460	140
LUGSD468	200
LUGSD480	400
LUGSD4100	900
LUGSD4133	1900
LUGSD4150	3000

 Max. Working Temperature: +70°C

- Material: brass
- Finish: nickel
- Bottle: Plexiglas
- Seals: fibre and nitrile 80
- Electrical rating: 12VA IP 20 (DIN 40050)



When ordering, please state voltage.
Voltages available: 12V DC, 24V DC, 24V AC, 110V 50Hz, 230V 50Hz, 415V 50Hz.

Internal Thread 1/2 BSP x
External Thread 1/4 BSP

Product Code	Capacity ml
LUPSD460	140
LUPSD468	200
LUPSD480	400
LUPSD4100	900
LUPSD4133	1900
LUPSD4150	3000

- Also available, the multiple drip feed lubricator models GTM, PTM, GET and PET are available with a range of 2 to 24 distribution outlets.

Oil Reservoirs

 Max. Working Temperature: +80°C

- Material: brass
- Finish: nickel
- Bottle: glass
- Seals: fibre and nitrile 80



*Available with low level switch.
If required, add suffix FS to product code.

1/4 BSP

Product Code	Capacity ml
LUGRE260	140
LUGRE268	200
LUGRE280	400
LUGRE2100*	900
LUGRE2133*	1900
LUGRE2150*	3000

3/8 BSP

Product Code	Capacity ml
LUGRE360	140
LUGRE368	200
LUGRE380	400
LUGRE3100*	900
LUGRE3133*	1900
LUGRE3150*	3000

Internal Thread 1/2 BSP x
External Thread 1/4 BSP

Product Code	Capacity ml
LUGRE4100*	900
LUGRE4133*	1900
LUGRE4150*	3000

 Max. Working Temperature: 70°C

- Material: brass
- Bottle: Plexiglas
- Finish: nickel
- Seals: fibre and nitrile 80
- For gravity feed system



Product Code	External Thread	Internal Thread	Capacity ml
LUPRE260	1/4 BSP	-	140
LUPRE360	3/8 BSP	1/8 BSP	140
LUPRE268	1/4 BSP	-	200
LUPRE368	3/8 BSP	1/8 BSP	200
LUPRE280	1/4 BSP	-	400
LUPRE380	3/8 BSP	1/8 BSP	400
LUPRE2100*	1/4 BSP	-	900
LUPRE3100*	3/8 BSP	1/8 BSP	900
LUPRE4100*	1/2 BSP	1/4 BSP	900
LUPRE2133*	1/4 BSP	-	1900
LUPRE3133*	3/8 BSP	1/8 BSP	1900
LUPRE4133*	1/2 BSP	1/4 BSP	1900
LUPRE2150*	1/4 BSP	-	3000
LUPRE3150*	3/8 BSP	1/8 BSP	3000

*Available with low level switch.
If required add suffix FS to product code.

- GOS, POS available on request

 Max. Working Temperature: 65°C

- Material: steel
- Bottle: plastic
- Finish: zinc
- For gravity feed system



With Surge Arrester

Product Code	Description	Capacity ml
LUOR7708	1/4 BSP	35
LUOR7714	1/4 BSP	63
LUOR7724	1/4 BSP	127
LUOR7730	1/4 BSP	170

Solenoid Operated Oil Reservoirs

 Max. Working Temperature: +80°C

- Material: brass
- Bottle: glass
- Finish: nickel
- Seals: fibre and nitrile 80
- Electrical rating: 14VA IP 20 (DIN 40050)



When ordering, please state voltage.
Voltages available: 12V DC, 24V DC, 24V AC, 110V 50Hz, 230V 50Hz, 415V 50Hz.

1/4 BSP

Product Code	Capacity ml
LUGRS260	140
LUGRS268	200
LUGRS280	400
LUGRS2100	900
LUGRS2133	1900
LUGRS2150	3000

 Max. Working Temperature: +70°C

- Material: brass
- Bottle: Plexiglas
- Finish: nickel
- Seals: fibre and nitrile 80
- Electrical rating: 14VA IP 20 (DIN 40050)




When ordering, please state voltage.
Voltages available: 12V DC, 24V DC, 24V AC, 110V 50Hz, 230V 50Hz, 415V 50Hz.

1/4 BSP

Product Code	Capacity ml
LUPRS260	140
LUPRS268	200
LUPRS280	400
LUPRS2100	900
LUPRS2133	1900
LUPRS2150	3000

Constant Level Oilers

 Max. Working Temperature: +65°C

- Material: aluminium alloy body
- Finish: zinc plated
- Bottle: plastic
- For oil



1/4 BSP

Product Code	Capacity	Body ml	Res
LUACL7567	85	Aluminium	Plastic
LUACL7572	115	Aluminium	Plastic
LUACL7577	158	Aluminium	Plastic

 Max. Working Temperature: +65°C

- Material: steel body
- Finish: zinc plated
- Bottle: plastic



1/8 BSP

Product Code	Capacity	Body ml	Res
LUACL7563	85	Steel	Plastic

1/4 BSP

Product Code	Capacity	Body ml	Res
LUACL7579	85	Steel	Plastic
LUACL7581	115	Steel	Plastic
LUACL7583	158	Steel	Plastic

 Max. Working Temperature: +100°C

- Material: aluminium alloy Body
- Finish: zinc plated
- Bottle: glass



1/4 BSP

Product Code	Capacity	Body ml	Res
LUACL7595	120	Aluminium	Glass

 Max. Working Temperature: +100°C

- Material: steel body
- Finish: zinc plated
- Bottle: glass



1/4 BSP

Product Code	Capacity	Body ml	Res
LUACL7597	120	Steel	Glass

GRAVITY FEED SYSTEMS

Oil Reservoir Mouldings

- Material: High density polythene
- With mounting holes
- Screw type lid



3 litre

Product Code

STS

- Material: High density polythene
- With mounting holes
- Screw type lid



7 litre

Product Code

MTS

On/Off Valves

- Manually operated nickel plated brass body



1/4 BSP

Product Code	Length mm
LULV10521	39

Reservoirs

NEW



- With cover, filler cap & strainer

4 litre

Product Code Material

006482 Clear

NEW



- With cover, filler cap & strainer

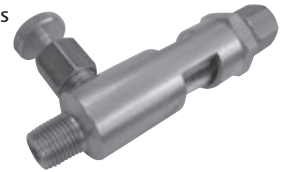
6 litre

Product Code Material

006483 Plastic, White

Single Drip Feed

- Material: brass
- Needle valve for regulation of flow



Product Code Thread Tube O.D.

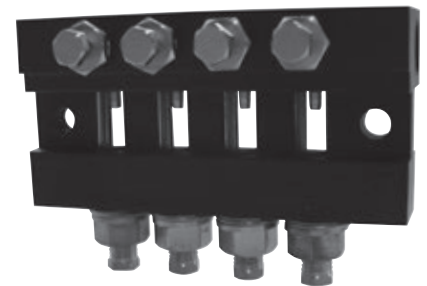
LULV10078 1/8" BSP 4mm

LUOS3471 1/8" BSP 3/16"

LUOS3472 1/8" BSP 1/4"

Multi-drip Feed

- 4mm OD Outlets, Inlet 1/4" BSP
- Needle valve for regulation of flow



Product Code No. of Outlets

LULV10026 4

LULV10027 6

FOR SOLENOID VALVES, SEE SECTION 8



GREASE & OIL CUPS

Grease Cups

- Material: blue steel



Steel

Product Code	Size	Thread	Capacity
LUGCR11	No. 1	1/8" BSP	4.5cc
LUGCR21	No. 2	1/8" BSP	7cc
LUGCR22	No. 2	1/4" BSP	7cc
LUGCR31	No. 3	1/8" BSP	14cc
LUGCR32	No. 3	1/4" BSP	7cc
LUGCR41	No. 4	1/8" BSP	30cc
LUGCR42	No. 4	1/4" BSP	30cc
LUGCR52	No. 5	1/4" BSP	53cc
LUGCR62	No. 6	1/4" BSP	88cc
LUGCR73	No. 7	3/8" BSP	128cc
LUGCR83	No. 8	3/8" BSP	200cc

Relief Valves

- Material: brass



Product Code	Release Pressure	Male
7573/1	45 to 80 psi	1/8" BSP
7573/3	8 to 15 psi	1/8" BSP
7573/5	1 to 5 psi	1/8" BSP

Shoulder Drive Oil Cups

- Material: steel
- Finish: nickel plated



Product Code	Hole Diameter
LUBS1511	1/4"
LUBS1512	3/16"
LUBS1513	6mm Taper
LUBS1514	3/16" Taper
LUBS1516	5/16"
LUBS1518	7mm Taper
LUBS1521	3/8"
LUBS1523	8mm Taper
LUBS1536	10mm Taper
LUBS1549	5/8"
LUBS1555	3/4"
LUBS1556	7/8"
LUBS1560	1"
LUBS1573	1.1/4"
LUBS1574	1.1/2"

Drive In Oil Cups

- Material: steel
- Finish: nickel plated



Product Code	Hole Diameter
B1604	1/4"
B1614	1/2"
B1620	5/8"
B1623	3/4"
B1625	1"
B1628	1.1/4"
B1640*	1.3/4"
B1650	2.1/4"

*Add suffix DC if dust proof is required.

Ball Valve Oilers

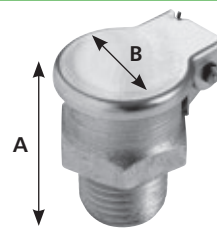
- Material: steel, zinc plated



Product Code	Hole Diameter
LUA1401	3/16"
LUA1402	1/4"
LUA1403	5/16"
LUA1404	3/8"
LUA1411	5mm
LUA1412	6mm
LUA1413	8mm
LUA1414	10mm

Threaded Oil Cups

- Material: brass/steel, nickel plated



Product Code	Thread	A (mm)	B (mm)
LUC1730	3/16" BSF	14.3	6.4
LUC1732	1/4"-32 TPI	14.3	6.4
LUC1733	1/4" BSF	20.6	7.1
LUC1735	10-32 TPI	14.3	6.4
LUC1736	2 BA	14.3	6.4
LUC1740	1/4" BSW	20.6	7.1
LUC1743	5/16" BSW	20.6	7.1
LUC1748	3/8" UNF	17.5	9.5
LUC1749	1/8" BSP	17.5	9.5
LUC1750	1/8" NPT	17.5	9.5
LUC1752	7/16"-24 TPI	18.3	11.1
LUC1763	1/4" BSP	26.2	15.9
LUC1764	1/4" NPT	26.2	15.9
LUC1787	1/8" BSP	50.8	9.5
LUC2141	1/8" BSP	31.8	15.9
LUC2141WF*	1/8" BSP	31.8	15.9

* With syphon tube and wick.

- Material: steel
- Finish: nickel plated



Available with syphon tube and wick. If required, add suffix "WF" to product code.

Product Code	Connection	Height mm
LUD1914	1/8" BSP	36.5
LUD1920	1/8" BSP	39
LUD1921	1/8" NPT	41.3
LUD1927	1/8" BSP	47.6
LUD1928	1/4" BSP	47.6
LUD1937	1/8" BSP	53
LUD1938	1/4" NPT	53
LUD1952	1/4" BSP	68.3
LUD1958	1/4" BSP	85.7
LUD1959	3/8" BSP	85.7
LUD1960	1/2" BSP	88.9
LUD1961	3/8" NPT	85.7

FOR FILTERS, SEE SECTION 5



OIL LEVELS & OIL WINDOWS

Oil Levels



Max. Working Temperature: +90°C



With Banjo Coupling, 1/4" BSPP

Product Code	Length mm
LUFGB250	50
LUFGB260	60
LUFGB280	80
LUFGB2100	100
LUFGB2125	125
LUFGB2150	150
LUFGB2175	175
LUFGB2200	200
LUFGB2250	250
LUFGB2300	300



With Locknut, 1/4" BSPP

Product Code	Length mm
LUFGM250	50
LUFGM260	60
LUFGM280	80
LUFGM2100	100
LUFGM2125	125
LUFGM2150	150
LUFGM2175	175
LUFGM2200	200
LUFGM2250	250
LUFGM2300	300

- Available in 3/8 BSP, 1/2 BSPT and NPT



Vertical, 1/4" BSPP

Product Code	Length mm
LUFGV250	50
LUFGV260	60
LUFGV280	80
LUFGV2100	100
LUFGV2125	125
LUFGV2150	150
LUFGV2175	175
LUFGV2200	200
LUFGV2250	250
LUFGV2300	300

Oil Levels with Locknut



Max. Working Temperature: +90°C



- Material: brass
- Finish: natural
- DIN 3018

1/8" BSP

Product Code	Length mm
LUFGM150	50
LUFGM160	60
LUFGM180	80

3/8" BSP

Product Code	Length mm
LUFGM350	50
LUFGM360	60
LUFGM380	80
LUFGM3100	100
LUFGM3125	125
LUFGM3150	150
LUFGM3175	175
LUFGM3200	200
LUFGM3250	250
LUFGM3300	300

1/2" BSP

Product Code	Length mm
LUFGM4100	100
LUFGM4125	125
LUFGM4150	150
LUFGM4200	200
LUFGM4250	250

Oil Levels with Banjo Coupling



Max. Working Temperature: +90°C



- Material: brass
- Finish: natural
- DIN 3018

1/8" BSP

Product Code	Length mm
LUFGB160	60
LUFGB180	80
LUFGB1100	100
LUFGB1125	125

Oil Line Flow



Max. Working Temperature: +80°C



Max. Working Pressure: 2 bar

- Material: brass, glass, nitrile
- Finish: natural

Product Code	Connection
LUOL4279	1/8" BSP
LUOL4281	1/4" BSP
LUOL4283	3/8" BSP
LUOL4285	1/2" BSP

Fluid Level Gauge

NEW

Request Tech-Sheet No. 10060 for Tech. Info.

Without Thermometer

Product Code	Bolt Thread	Hole Centres mm
FLGS-76	12	76
FLGS-76-10	10	76
FLGS-127	12	127
FLGS-127-10	10	127
FLGS-254	12	254
FLGS-254-10	10	254

NEW

With Thermometer

Product Code	Bolt Thread	Hole Centres mm
FLTGS-76	12	76
FLTGS-76-10	10	76
FLTGS-127	12	127
FLTGS-127-10	10	127
FLTGS-254	12	254
FLTGS-254-10	10	254

Oil Level Indicators

- Housing in polyimide, transparent, high mechanical stability, non-ageing
 - Fluid Compatibility: mineral based oils and petroleum based fluids
 - Plastic mount & frame allows for side reading
- Note: K56001210 is a 3 hole mount.



Temperature: -30°C to +100°C



Max. Working Pressure: 1 bar

NEW



Request Tech-Sheet No. 10483 for Tech. Info.

Without Thermometer

Product Code	Hole Centres	Thread	Length
K56001076	76mm	M10 x 1.5	103mm
K56001127	127mm	M12 x 1.75	154mm
K56001210	210mm	M12 x 1.75	250mm

With Thermometer

Product Code	Hole Centres	Thread	Length
K56002076	76mm	M10 x 1.5	103mm
K56002127	127mm	M12 x 1.75	154mm

EcoFit Gauges

EcoFit liquid level gauges are available up to 1 metre, each gauge above 400mm is supplied with an upper tank bracket. Thread sizes available in G1/4", G3/8", G1/2" BSPP Male.

- Suitable for many industrial and domestic usages, subject to pressure and material compatibility
- Pressure: atmospheric
- Lower Body: brass, nickel plated
- Fixing Bolts: brass, nickel plated
- Seals: FKM
- Sight Tube: polycarbonate
- Guard Tube: polycarbonate
- Top Cap: brass
- Adaptor: brass
- Tank Seals: Walkertite washer

 Maximum Temperature:
+60°C

NEW



BSPP


Product Code	Thread	Length mm
SEE80100	1/4"	100
SEE80125	1/4"	125
SEE80150	1/4"	150
SEE80200	1/4"	200
SEE80250	1/4"	250
SEE80300	1/4"	300
SEE80350	1/4"	350
SEE80400	1/4"	400
SEE80450	1/4"	450
SEE80500	1/4"	500
SEE80600	1/4"	600
SEE80650	1/4"	650
SEE80700	1/4"	700
SEE80750	1/4"	750
SEE80800	1/4"	800
SEE80850	1/4"	850
SEE80900	1/4"	900
SEE80950	1/4"	950
SEE801000	1/4"	1000
SEE82100	3/8"	100
SEE82125	3/8"	125
SEE82150	3/8"	150
SEE82200	3/8"	200
SEE82250	3/8"	250
SEE82300	3/8"	300
SEE82350	3/8"	350
SEE82400	3/8"	400
SEE82450	3/8"	450
SEE82500	3/8"	500
SEE82600	3/8"	600
SEE82650	3/8"	650
SEE82700	3/8"	700
SEE82750	3/8"	750
SEE82800	3/8"	800
SEE82900	3/8"	900
SEE821000	3/8"	1000
SEE84100	1/2"	100
SEE84125	1/2"	125
SEE84150	1/2"	150
SEE84200	1/2"	200
SEE84250	1/2"	250
SEE84300	1/2"	300
SEE84350	1/2"	350
SEE84400	1/2"	400
SEE84450	1/2"	450
SEE84500	1/2"	500
SEE84600	1/2"	600
SEE84650	1/2"	650
SEE84700	1/2"	700
SEE84750	1/2"	750
SEE84800	1/2"	800
SEE84900	1/2"	900
SEE841000	1/2"	1000


EasyFit Gauges

EasyFit liquid level gauges are available up to 1 metre.

Suitable for many industrial and domestic usages, subject to pressure and material compatibility.

- Lower Body: brass
- Fixing Bolts: brass
- Seals: FKM
- Sight Tube: polycarbonate
- Guard Tube: polycarbonate
- Adaptor: brass
- Tank Seals: Dowty sealing washer

 Maximum Temperature:
+60°C

 Maximum Pressure:
14 bar
(subject to centre distance selected)

NEW



BSPP

Product Code	Thread	Centres mm
SEE27100	1/4"	100
SEE27150	1/4"	150
SEE27200	1/4"	200
SEE27250	1/4"	250
SEE27300	1/4"	300
SEE27350	1/4"	350
SEE27400	1/4"	400
SEE27450	1/4"	450
SEE27500	1/4"	500
SEE27600	1/4"	600
SEE27650	1/4"	650
SEE27700	1/4"	700
SEE27800	1/4"	800
SEE27850	1/4"	850
SEE27900	1/4"	900
SEE27950	1/4"	950
SEE271000	1/4"	1000
SEE29100	3/8"	100
SEE29150	3/8"	150
SEE29200	3/8"	200
SEE29250	3/8"	250
SEE29300	3/8"	300
SEE29350	3/8"	350
SEE29400	3/8"	400
SEE29450	3/8"	450
SEE29500	3/8"	500
SEE29600	3/8"	600
SEE29650	3/8"	650
SEE29700	3/8"	700
SEE29800	3/8"	800
SEE29850	3/8"	850
SEE29900	3/8"	900
SEE29950	3/8"	950
SEE291000	3/8"	1000
SEE31100	1/2"	100
SEE31150	1/2"	150
SEE31200	1/2"	200
SEE31250	1/2"	250
SEE31300	1/2"	300
SEE31350	1/2"	350
SEE31400	1/2"	400
SEE31450	1/2"	450
SEE31500	1/2"	500
SEE31600	1/2"	600
SEE31650	1/2"	650
SEE31700	1/2"	700
SEE31800	1/2"	800
SEE31850	1/2"	850
SEE31900	1/2"	900
SEE31950	1/2"	950
SEE311000	1/2"	1000

QuickFit Gauges

QuickFit liquid level gauges are available up to 1 metre.

- Suitable for many industrial and domestic usages, subject to pressure and material compatibility
- Lower Body: brass, nickel plated
- Fixing Bolts: brass, nickel plated
- Seals: FKM
- Sight Tube: polycarbonate
- Adaptor: brass
- Tank Seals: Dowty sealing washer



Maximum Temperature:
+65°C



Maximum Pressure:
3 bar

NEW



BSPB

Product Code	Thread	Centres mm
SEE99100	1/4"	100
SEE99150	1/4"	150
SEE99200	1/4"	200
SEE99250	1/4"	250
SEE99300	1/4"	300
SEE99350	1/4"	350
SEE99400	1/4"	400
SEE99450	1/4"	450
SEE99500	1/4"	500
SEE99600	1/4"	600
SEE99650	1/4"	650
SEE99700	1/4"	700
SEE99800	1/4"	800
SEE99850	1/4"	850
SEE99900	1/4"	900
SEE99950	1/4"	950
SEE991000	1/4"	1000
SEE97100	3/8"	100
SEE97150	3/8"	150
SEE97200	3/8"	200
SEE97250	3/8"	250
SEE97300	3/8"	300
SEE97350	3/8"	350
SEE97400	3/8"	400
SEE97450	3/8"	450
SEE97500	3/8"	500
SEE97600	3/8"	600
SEE97650	3/8"	650
SEE97700	3/8"	700
SEE97800	3/8"	800
SEE97850	3/8"	850
SEE97900	3/8"	900
SEE97950	3/8"	950
SEE971000	3/8"	1000
SEE95100	1/2"	100
SEE95150	1/2"	150
SEE95200	1/2"	200
SEE95250	1/2"	250
SEE95300	1/2"	300
SEE95350	1/2"	350
SEE95400	1/2"	400
SEE95450	1/2"	450
SEE95500	1/2"	500
SEE95600	1/2"	600
SEE95650	1/2"	650
SEE95700	1/2"	700
SEE95800	1/2"	800
SEE95850	1/2"	850
SEE95900	1/2"	900
SEE95950	1/2"	950
SEE951000	1/2"	1000

QuickMount Gauges

Available in G1/2", G3/4" BSPP male and G3/4" stainless steel model. The QuickMount valve assemblies are G3/4" BSP which are manual screwdown with Auto Safety Shut-off (ASV) as the standard configuration. G1/2" BSP does not come with the Safety Shut-off valve.

- Valves Assemblies: brass or stainless steel
- Collar: brass
- Seals: FKM
- Sight Tube: polycarbonate
- Guard Tube: 'C' section aluminium
- Tank Seals: Walkertite washer

NEW



Maximum Temperature:
+100°C



Maximum Pressure:
14 bar

Request
Tech-Sheet
No. 10435 for
Tech. Info.

Without Valve, BSPP

Product Code	Thread	Centres mm
SEE22500P12	1/2"	500
SEE22550P12	1/2"	550
SEE22600P12	1/2"	600
SEE22650P12	1/2"	650
SEE22700P12	1/2"	700
SEE22750P12	1/2"	750
SEE22800P12	1/2"	800
SEE22850P12	1/2"	850
SEE22900P12	1/2"	900
SEE22950P12	1/2"	950
SEE221000P12	1/2"	1000
SEE221125P12	1/2"	1125
SEE221250P12	1/2"	1250
SEE221500P12	1/2"	1500
SEE221600P12	1/2"	1600
SEE221700P12	1/2"	1700

With Valve, Brass Fittings, BSPP

Product Code	Thread	Centres mm
SEE22280P	3/4"	280
SEE22400P	3/4"	400
SEE22500P	3/4"	500
SEE22600P	3/4"	600
SEE22610P	3/4"	610
SEE22710P	3/4"	710
SEE22750P	3/4"	750
SEE22770P	3/4"	770
SEE22800P	3/4"	800
SEE22825P	3/4"	825
SEE22850P	3/4"	850
SEE22880P	3/4"	880
SEE22900P	3/4"	900
SEE22950P	3/4"	950
SEE221000P	3/4"	1000
SEE221300P	3/4"	1300
SEE221400P	3/4"	1400

With Valve, Stainless Steel Fittings, BSPP

Product Code	Thread	Centres mm
SEE22S500P	3/4"	500
SEE22S550P	3/4"	550
SEE22S600P	3/4"	600
SEE22S1000P	3/4"	1000
SEE22S2800P	3/4"	2800
SEE22S4200P	3/4"	4200
SEE22S500B	3/4"	500
SEE22S550B	3/4"	550
SEE22S600B	3/4"	600
SEE22S650B	3/4"	650
SEE22S700B	3/4"	700
SEE22S750B	3/4"	750
SEE22S800B	3/4"	800
SEE22S850B	3/4"	850
SEE22S900B	3/4"	900
SEE22S1000B	3/4"	1000
SEE22S2800B	3/4"	2800

Oil Windows

- Housing in polyamide, transparent, high mechanical stability, non-ageing
- Fluid compatibility: mineral based oils and solvents

 **Temperature:**
+100°C

 **Max. Working Pressure:**
3 bar

NEW



Plastic Oil Sight Glasses, BSPP

Product Code	Connection BSPP	A/F mm
K5604120014	1/4"	17
K5604122038	3/8"	18
K5604128012	1/2"	24
K5604135034	3/4"	30
K5604143100	1"	35
K5604151114	1.1/4"	42
K5604158112	1.1/2"	50
K5604174200	2"	64
K56041201415	M14 x 1.5	17
K56041221615	M16 x 1.5	18
K56041251815	M18 x 1.5	21
K56041282015	M20 x 1.5	24

Plastic Oil Sight Glasses with Reflector, BSPP

Product Code	Connection BSPP	A/F mm
K5604222038	3/8"	18
K5604228012	1/2"	24
K5604235034	3/4"	30
K5604243100	1"	35
K5604251114	1.1/4"	42
K5604258112	1.1/2"	50
K5604274200	2"	64
K56042221615	M16 x 1.5	18
K56042251815	M18 x 1.5	21
K56042282015	M20 x 1.5	24


 **Temperature:**
+100°C



Push-in Plastic Oil Sight Glasses with Reflector

Product Code	Outer Diameter mm
K56062420	20
K56063026	26
K56063632	32
K56064238	38
K56064440	40

 **Temperature:**
+100°C

 **Max. Working Pressure:**
3 bar



Dome Oil Level Sight Glasses

Product Code	Connection BSPP	A/F mm
K560822038	3/8"	19
K560828012	1/2"	24
K560835034	3/4"	30
K560842100	1"	36

- Material: aluminium, heat resistant glass

 **Temperature:**
+130°C

 **Max. Working Pressure:**
10 bar

Threaded Aluminum Glass Window

Product Code	Description
LUAW1245	1/4" BSP
LUAW1250	3/8" BSP
LUAW1255	1/2" BSP
LUAW1260	3/4" BSP
LUAW1265	1" BSP
LUAW1270	1.1/4" BSP
LUAW1275	1.1/2" BSP
LUAW1280	2" BSP
LUAW1955	M12 x 1.5
LUAW1960	M16 x 1.5
LUAW1964	M20 x 1.5
LUAW1972	M24 x 2
LUAW1974	M26 x 1.5
LUAW1977	M27 x 1.5
LUAW1980	M30 x 1.5
LUAW1983	M33 x 1.5
LUAW1993	M42 x 2

- Housing and reflector in aluminium, sight glass in polyimide, transparent, high mechanical stability, non-ageing
- Fluid compatibility: mineral based oils and solvents

 **Temperature:**
+100°C

 **Max. Working Pressure:**
3 bar




Aluminium Oil Level Sight Glasses, BSPP

Product Code	Connection BSPP	A/F mm
K561020014	1/4"	18
K561024038	3/8"	22
K561029012	1/2"	27

- Material: steel, perspex

 **Temperature:**
+70°C with
0.2 bar pressure

 **Max. Working Pressure:**
0.7 bar



Drive In with Oil Level

Product Code	Description
LUDW4064A	7/8"
LUDW4061A	1.1/4"
LUDW4062A	1.1/2"
LUDW4063A	2"

Drive In

Product Code	Description
LUDW4064	7/8"
LUDW4061	1.1/4"
LUDW4062	1.1/2"
LUDW4063	2"

- Material: plexiglass

 **Temperature:**
+80°C


 **Max. Working Pressure:**
3 bar

Threaded Plastic with Reflector

Product Code	Description
LUPW4210	1/4" BSPP
LUPW4211	3/8" BSPP
LUPW4212	1/2" BSPP
LUPW4213	3/4" BSPP
LUPW4214	1" BSPP
LUPW4215	1.1/4" BSPP
LUPW4216	1.1/2" BSPP
LUPW4217	2" BSPP

- Material: steel, glass

 **Temperature:**
+100°C

 **Max. Working Pressure:**
10 bar

Threaded Steel with Toughened Glass Window, without Reflector

Product Code	Description
LUBWS4042	3/4" BSPP
LUBWS4043	1" BSPP
LUBWS4044	1.1/4" BSPP
LUBWS4045	1.1/2" BSPP
LUBWS4046	2" BSPP

With Reflector

Product Code	Description
LUBWS4042R	3/4" BSPP
LUBWS4043R	1" BSPP
LUBWS4044R	1.1/4" BSPP
LUBWS4045R	1.1/2" BSPP
LUBWS4046R	2" BSPP

FILLER BREATHERS & VENT SCREWS

Fluid Sight Glasses

NEW



Fluid, BSPP

Product Code	Connection BSPP
SG-12	3/4"
SG-16	1"
SG-20	1.1/4"
SG-24	1.1/2"

NEW



Weldable Flange to Suit SG-** BSPP

Product Code	Connection BSPP
WF-12	3/4"
WF-16	1"
WF-20	1.1/4"
WF-24	1.1/2"

Breather

NEW



Chrome Plated Steel,
40 Micron, BSPP

Product Code	Connection
SB-04B	1/4"
SB-08B	1/2"
SB-12B	3/4"

5 PSI Pressurised Breather

NEW



Chrome Plated Steel,
40 Micron, BSPP

Product Code	Connection
SPB-08B	1/2"
SPB-12B	3/4"

NEW



ABS, 40 Micron,
BSPP

Product Code	Connection
ABSB-06B	3/8"
ABSB-08B	1/2"
ABSB-12B	3/4"
ABSB-16B	1"

Desiccant Breather

NEW



Request Tech-Sheet
No. 10059 for Tech. Info.

10 Micron, 2" NPT

Product Code	Litres per Minute
DB-1000	1000
DB-1500	1500
DB-2400	2400

Filler Breathers

NEW



Request Tech-Sheet
No. 10056 for Tech. Info.

Chrome Plated Steel, 40 Micron

Product Code	OD mm	Description
SFB-3-40	28	3 Bolt Mount
SFB-6-40	48	6 Bolt Mount
SFB-6-40-HN	48	6 Bolt Mount, High Neck
SFB-6-40-SM	101.6	Side Mount

NEW



Temperature:
+90°C

- Material body: thermoplastic polyamide 66
- Strainer: thermoplastic polypropylene
- Filter: polyurethane foam 50µm
- Fluid compatibility: mineral based oils and solvents

Plastic, Push-in

Product Code	OD mm	Length mm
K5670706020	55	88

NEW



Request
Tech-Sheet
No. 10058 for
Tech. Info.

Giant Breather,
BSPP

Product Code	Connection	µm
GTB-12-10	3/4"	10
GTB-12-25	3/4"	25
GTB-20-10	1.1/4"	10
GTB-20-25	1.1/4"	25

FOR FILTER REGULATORS, SEE SECTION 10



Plugs

NEW

- Material: Elastomer, soft polyurethane
- Ideal for keeping threads clean when spraying tanks

Temperature: +100°C

Max. Working Pressure: 2-3 bar



Screw-in Protection Plugs, BSPP

Product Code	Connection
K5618018	1/8"
K5618014	1/4"
K5618038	3/8"
K5618012	1/2"
K5618034	3/4"
K5618100	1"

Press-in Plugs

NEW

- Material: Thermoplastic polyimide 66
- Air Filter: Polyurethane foam
- Filter fineness 50µm



NOTE: Not suitable for pressurised tanks.

With Ventilation with Rubber O-Ring

Product Code	OD mm
K562223018	18
K562323020	20
K562423026	26

Without Ventilation with Rubber O-Ring

Product Code	OD mm
K562213020	20
K562213030	30

Plugs with Magnets

NEW

- Material: Aluminium
- NOTE: Mounted on the bottom of tanks to attract metal parts.



Aluminium, BSPP

Product Code	Connection
K562621014	1/4"
K562624038	3/8"
K562630012	1/2"
K562636034	3/4"
K562642100	1"

Vent Screws

NEW

- Material: Thermoplastic polyimide 66.
- Air Filter: Polyurethane foam.
- Fluid Compatibility: Mineral based oils and solvents.

Temperature: +100°C



With Oil Fill Symbol

Product Code	Connection
K5634136038	3/8"
K5634141012	1/2"
K5634147034	3/4"
K5634152100	1"
K5634163114	1.1/4"
K5634163112	1.1/2"
K56341361615	M16 x 1.5
K56341411815	M18 x 1.5
K56341412015	M20 x 1.5
K56341412215	M22 x 1.5

With Oil Fill Symbol & Filter

Product Code	Connection
K5634236038	3/8"
K5634241012	1/2"
K5634247034	3/4"
K5634252100	1"
K5634263114	1.1/4"
K5634263112	1.1/2"
K56342361615	M16 x 1.5
K56342411815	M18 x 1.5
K56342412215	M22 x 1.5

NEW



With Splash Guard, Filter & Oil Symbol, BSPP

Product Code	Connection
K563630014	1/4"
K563630038	3/8"
K563630012	1/2"

Vent Screws with Dipstick

- Material: Black thermoplastic polyamide 66
- Filter: Polyurethane foam 50µm
- Dipstick: Galvanized steel
- Fluid Compatibility: Mineral based oils and solvents
- Dipstick Length: 200mm except non-return & splash back 195mm



NEW

With Vent, Filter & Fill Symbol

Product Code	Connection
K5654236038	3/8"
K5654241012	1/2"
K5654247034	3/4"
K5654252100	1"
K56542412015	M20 x 1.5

NEW



With Non-return Valve & Non-return Symbol, BSPP

Product Code	Connection
K563830014	1/4"
K563830038	3/8"
K563830012	1/2"

Brass Vent Screws

NEW

- Material: Housing & cap in brass filter in galvanized steel wire 50-60 µm



Filter & Vent, BSPP

Product Code	Connection
K564020014	1/4"
K564024038	3/8"
K564030012	1/2"

NEW



Non-return Valve & Vent, BSPP

Product Code	Connection
K564220014	1/4"
K564224038	3/8"
K564230012	1/2"

Lubetec[®] UK



**Authorised Distributor
and Service Centre**



www.lubetec.co.uk

SECTION

3

CENTRALISED LUBRICATION PUMPS



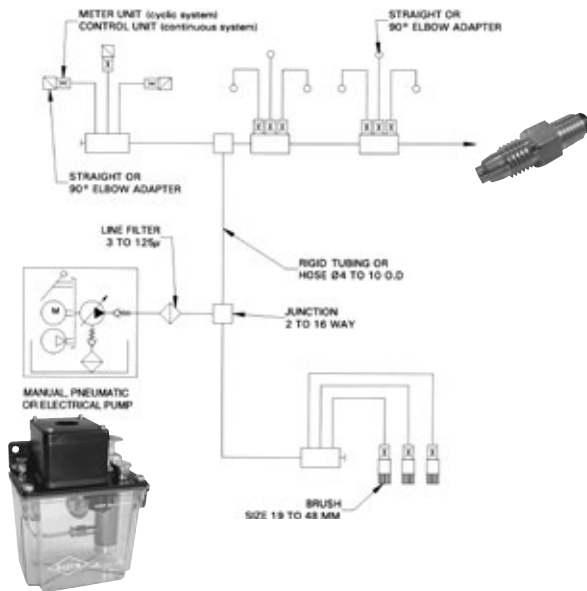
Manual Pumps
Single Shot Pumps
Cyclic Pumps
Gear Pumps
Positive Displacement Pumps
Continuous Pumps
Pneumatic Pumps
Multi Outlet Pumps
Dual Outlet Pumps
Spray Pumps

PUMPS AT A GLANCE

SELECTING THE RIGHT PUMP IS EASY! Choose your pump based on the system metering device shown in the drawings below and the fluid type.

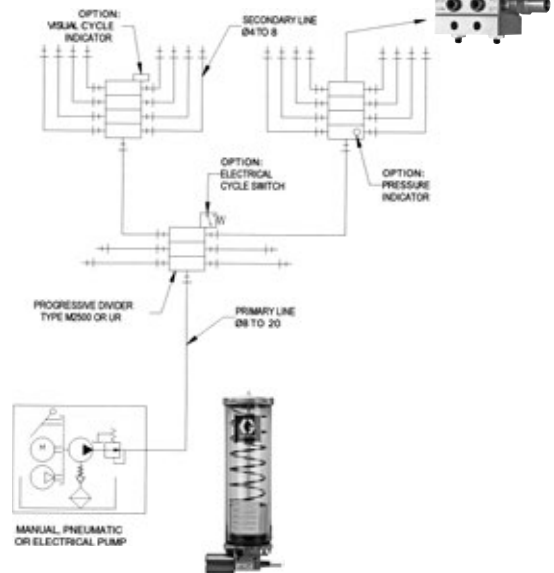
Single Line Resistance (SLR) System

The distribution of oil is controlled by 'meter units' which restrict the flow proportionally to each application point. They are used with cyclic or 'one shot' manual or automatic lubricators. The fastest flow rate is 5. Flow rates double each time.



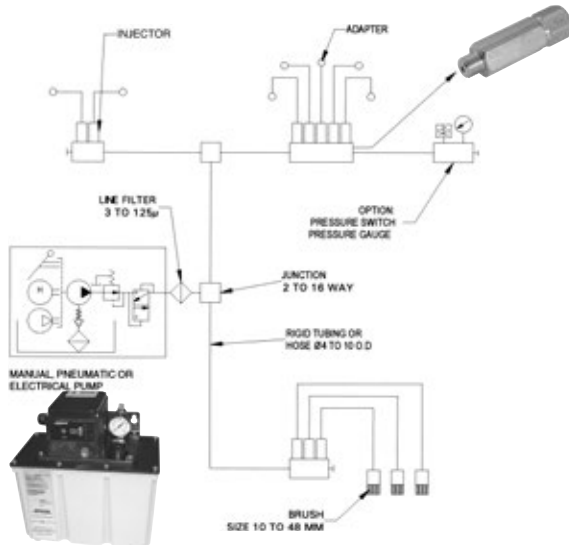
Progressive System (PROG)

Grease is fed to each point in turn. Completion of lubrication cycle can be shown by visual indicator pin or microswitch. Distributors stop operating if any point becomes blocked.



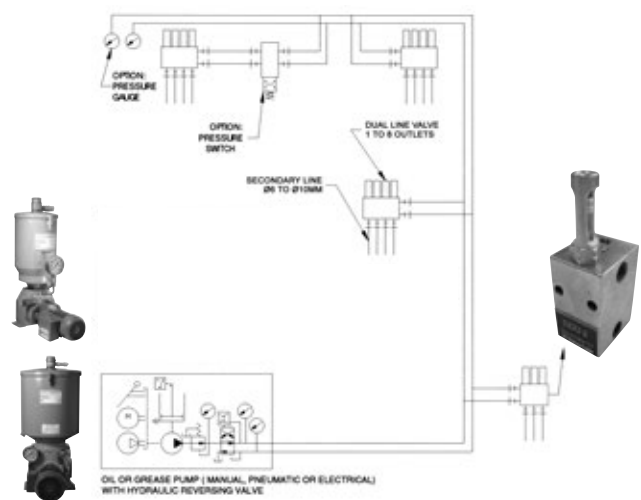
Positive Displacement (PDI) System

Positive displacement injectors (PDIs) deliver a fixed pre-measured quantity of lubricant at the outlet connection during each discharge cycle. The lubricator in a PDI system must build up line pressure to actuate injectors then relieve pressure to allow injectors to fully reset.



Dual Line System (DUAL)

Dual line systems have two main lines which are pressurised alternately to operate the distributors. Pumps have a manual or automatic changeover valve to switch lines once required pressure has been achieved. Dual line systems are ideally suited to larger systems or in a heavy industrial environment.



KEY TO SYMBOLS

System Type:


SLR

 Single Line
Resistance

PDI

 Positive
Displacement
Injector

PROG

Progressive


DUAL

Dual Line


MULTI

Multi-line

Fluid Type:


OIL

Oil


GREASE

Grease


FG

Fluid Grease

MANUAL PUMPS

Pump L2P



- Discharge: from 1-2 per stroke
- Serves up to 30 lubrication points
- Outlet Connection: 5/16" UNF tapped hole for 4mm or 5/32" OD tubing



Product Code	Reservoir Capacity
L2P	0.2 Litre

Pump L3P



- Discharge: 3cm³/shot
- Outlet Connection: 5/16" UNF tapped hole for 4mm or 5/32" OD tubing



Product Code	Reservoir Capacity
L3P	0.2 Litre

Pump L5P



- Discharge: 5cc/shot
- Serves up to 50 lubrication points
- Outlet Connection: 5/16" UNF tapped hole for 4mm or 5/32" OD tubing
- Right handed orientation. A left hand version is available on request



Product Code	Reservoir Capacity
D3174	475cc

Technical data sheets available on request

Pump L6P



NEW



- Delivery: 6 cm³/stroke
- Oil pressure: 20 bar max
- Outlet Connection: M10 x 1 female ports (x 2)



Product Code	Reservoir Capacity
L6P	0.6 Litre

Pump L13P



- Discharge: 13cc/stroke
- Relieving pressure: 7 bar
- Outlet Connection: M10 x 1



Pump L13P

Product Code	Reservoir Capacity
L13P	1 Litre

Pump L18P



- Discharge: from 6-18cc/shot
- Serves up to 100 lubrication points
- Outlet Connection: 5/16" UNF tapped hole for 4mm or 5/32" OD tubing



Product Code	Reservoir Capacity
L18P	1 Litre

Pump L100P



NEW



- Economy pump
- Maximum operating pressure: 2,031 psi (140 bar)
- Discharge: 1 cc per stroke
- Grease Type: NLGI grade 1-3
- Outlet Connection: 1/8" BSPP

Product Code	Reservoir Capacity
L100P	1 Litre

Manual Fluid Grease Pump



Manual pump with a built-in pressure relief valve to reset positive displacement injectors. Also suitable for progressive systems. Unit can be used in conjunction with FL-32 and FL-33 injectors.

- Discharge pressure (max.): 150 bar (2,175 psi)
- Output per delivery stroke: 1cc
- Grease Type: NLGI number 000, 00 and 0
- Reservoir capacities: 0.4 or 1 litre
- Installation position: vertical
- Fill via hydraulic grease nipple
- Includes follower plate
- Outlet Connection: 1/8" BSPP



Lubricator, Soft Grease

Product Code	Reservoir Capacity
25017-1	0.4 Litre
25057-1	1 Litre

Pump AHGP



- Discharge volume: 1.0cc/st
- Grease Type: NLGI No. 000, 00, 0, 1
- Outlet Connection: 1/8" BSPP



Product Code	Reservoir Capacity
AHGP-700	700 cc

Technical data sheets available on request

PH Pumps



NEW



- Built-in volume indicator
- Interchangeable reservoirs – switch from oil to grease or from grease to oil without replacing entire system
- Single acting positive displacement pump design for extended pump life and reduced maintenance
- Built-in automatic relief valve protects system components from over pressure
- Built-in outlet check valve
- 3,000 psi (207 bar) pressure gauge
- Outlet Connection: 1/4" NPT



PH Pump with Reservoir

Product Code	Reservoir Type
564381	5lb Metal Grease Reservoir
564387	6 Pint Plastic Oil Reservoir
564389	6lb Plastic Grease Reservoir
564383	12lb Plastic Grease Reservoir

DA Series Pumps

Farval
Lubrication Systems, Inc.

NEW



- Double acting piston pump reciprocated by a hand lever
- Quick fill connection
- Inlet filter screen
- Discharge: 7.4cc (0.45 cu. in.)
- Viscosity range: grease NLGI grade 000-2 oil ISO-32 and greater
- Max pressure: 3500 psi (241 bar)
- Outlet Connection: 1/4" BSPP



Product Code	Reservoir Type
DA4101AC	2kg (4.5lb) Grease Reservoir
DA5101AC	4kg (8.25lb) Grease Reservoir
DA6101AC	6kg (12.5lb) Grease Reservoir
DA4101BC	2.4 litre (2.5qt) Oil Reservoir

FOR METERING DEVICES, SEE SECTION 4



ELECTRIC PUMPS

Automatic Lubricators (Cyclic) – TM-1



- Adjustable output: 0.2cc to 1.0cc per cycle
- 1 pint (475cc) reservoir (1.5 litre also available)
- Serves up to 20 lubrication points
- Outlet Connection: 5/16" UNF for 4mm tube or 5/32" OD tubing

TM-1 with Level Switch

Product Code	Cycle Time 50Hz	Voltage
C2889	145 min.	115V
C2890	72 min.	115V
C2891	15 min.	115V
C2896	7.5 min.	115V
C2897	9 min.	230V
C2892	145 min.	230V
C2893	72 min.	230V
C2894	15 min.	230V
C2895	2 min.	115/230V

Lubeplus 'E' Pumps (Cyclic)



- Outlet Connection: 1/8" BSPP for 4mm tube
- Operating pressure: 4 bar
- Output per stroke: 0.25ml-2.5ml
- Level switch supplied normally closed
- Pump capable of serving 15-20 lubrication points

1/2 Litre Reservoir

Product Code	Cycle Time 50Hz	Voltage
LF1210	10 min.	24V
LF1260	60 min.	24V
LF1502	2 min.	115/230V
LF1505	5 min.	115/230V
LF1510	10 min.	115/230V
LF1520	20 min.	115/230V
LF1530	30 min.	115/230V
LF1560	60 min.	115/230V
LF1599	120 min.	115/230V

1 Litre Reservoir

Product Code	Cycle Time 50Hz	Voltage
LF5510	10 min.	115/230V

2 Litre Reservoir

Product Code	Cycle Time	Voltage
LF21061	5 min.	12V DC
LF23103	10 min.	24V DC
LF2502	2 min. 50Hz	115/230V
LF2505	5 min. 50Hz	115/230V
LF2510	10 min. 50Hz	115/230V
LF2520	20 min. 50Hz	115/230V
LF2530	30 min. 50Hz	115/230V
LF2560	60 min. 50Hz	115/230V
LF2599	120 min. 50Hz	115/230V
LF2605	5 min. 60Hz	115/230V

Automatic Lubricators (Cyclic) – TM-5



- Adjustable output: 2.5cc to 5cc per cycle
- 1 litre reservoir
- Voltage: Dual 110/230 v
- Serves up to 50 lubrication points
- Instant feed button
- Outlet Connection: 5/16" UNF for 4mm tube also for 5/32" tubing

TM-5 without Level Switch

Product Code	Cycle Time 50Hz	Voltage
D2994	6.4 min.	115V/230V
D2996	10.6 min.	115V/230V
D2998	32 min.	115V/230V
D3189	64 min.	115V/230V
D3000	128 min.	115V/230V

TM-5 with Level Switch

Product Code	Cycle Time 50Hz	Voltage
D2986	6.4 min.	115V/230V
D2988	10.6 min.	115V/230V
D2990	32 min.	115V/230V
D3187	64 min.	115V/230V
D2992	128 min.	115V/230V

AMGP-01A Series 25 (Cyclic)



Fully automatic lubricator with integral digital timer controlling cycle time and discharge period.

- Serves up to 100+ lubrication points
- Working pressure: 8 bar
- Discharge vol: 100cc per min/150 cc per min
- Motor gear pump type
- Frequency: 50/60 Hz
- Outlet Connection: 1/8" BSPP
- Integral time setting: 1-99 min, discharge time 1-99 secs

Product Code	Reservoir Capacity	Voltage
AMGP-01AF-100	1.8 Litre	110
AMGP-01AF-200	1.8 Litre	220
AMGP-01AF-T3-100	3.0 Litre	110
AMGP-01AF-T3-200	3.0 Litre	220

Electric Grease Pumps



The multiport electric grease pump is designed to feed progressive lubrication systems. It can be supplied with 1, 2 or 3 discharge elements with fixed or adjustable output. Different voltages are available, continuous, single phase or 3 phase. The reservoirs are metal or plastic with or without low level switch.

Temperature Range:
-18°C to +150°C

- Discharge pressure: 250 bar
- Reservoir capacities: 2kg or 4kg (plastic) 8kg (metal)
- Discharge: G1/4, (0.16cc per rpm) from 0 to 4,3cc min. for adjustable output. 4,3cc/min for fixed output. With adjustable safety valve (0 to 250 bar)
- Voltage: triphase 220/380V AC 50/60Hz, monophase 110 or 220V AC 50/60Hz 12 or 24V DC
- Electric low level switch: 240V AC (max.), 1,5 amp (max.), IP67
- Lubricants to be used: up to grease NLGI 2
- Installation position: vertical
- Up to 3 outlet connections can be used, includes one pumping element
- Outlet Connection: 1/4: BSPP

Ordering Instructions

To define the exact pump characteristics use the following codes:

Product Code	MULTI			
Reservoir capacity:				
2	2kg (plastic)			
4	4kg (plastic)			
8	8kg (metal)			
Low level switch:				
A	Without low level switch (2kg only)			
B	With low level switch			
Voltage:				
A	12V DC : 4 amp			
B	24V DC : 2 amp			
C	110V AC : 0.6kW, 50/60Hz			
D	220V AC : 0.6kW, 50/60Hz			
E	220/380V AC : 0.09kW, 50/60Hz			
F	Other voltage (contact sales)			

Example: multiport 1, fixed outlet with a 4kg reservoir equipped with low level switch, electric motor : 220/280V AC with an extra outlet: 1 x MULTI4BE + 1 x 282784

Note: multiport pump can be equipped with adjustable pumping element (0 to 0.16 per revolution) which must be ordered separately. (Part number AK442).

SureFire SLR Lubricator



The SureFire SLR lubricator is an automatic, robust and durable pump that can handle oil. Its compact size is designed to fit your space requirements and lubrication demands. The SureFire SLR lubricator is a self-contained electric motor-driven gear pump that can adapt to a broad range of production machinery. It can handle resistance fittings or resistance fittings groups serving up to 100 lubrication points. Its versatility also allows it to perform with other lubrication system types and multiple applications.

- Output volume: 115V AC, 230V AC (max.)¹: 200cc/min @ 60Hz (167cc/min @ 50Hz)
- Output volume: 24V DC (max.)¹: 250cc/min
- Output volume: three phase (max.)¹: 200 or 500cc/min @ 60Hz, 167 or 415cc/min @ 50Hz
- Output pressure (max.): 75 psi (5 bar)
- Pressure switch setting²: closes at 290 ± 5 psi (20 ± 0.3 bar)
- Output connection: 1/4" BSPP

¹ Typical pump output is ~3cc/sec with pump on for 20-30 sec with 100+ points and 1/4" main line.

² Pressure switch is standard on single phase models with controller. Not available on three phase models.

Ordering Instructions

To define the exact pump characteristics use the following codes:

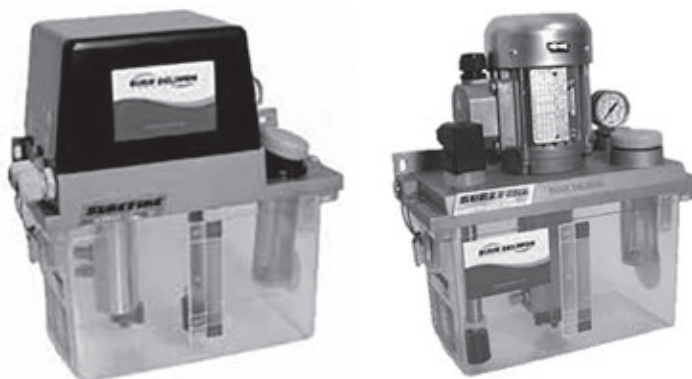
Product Code	SF								
Reservoir capacity:									
2	1.8 litre (Terlux plastic)								
3	2.7 litre (Terlux plastic)								
6	6 litre (Terlux plastic)								
12	12 litre (painted steel)								
Distribution system:									
A	Restrictive/SLR								
Options:									
N	Standard oil version								
C	Quick connect oil version (quick connect style reservoir fill fitting for oil/no fill screen)								
D	Standard oil version (2 position oil level switch)								
Required wiring* (if controller type C is selected):									
A	M12								
Voltage:									
B	24V DC, 2.4 amps								
C	115V AC, 50/60Hz, 2.2 amps								
D	230V AC, 50/60Hz, .95 amps								
E	230/480V AC, three phase, 50/60Hz, 0.5 amps (416/500cc/min, 50/60Hz)								
F	230/480V AC, three phase, 50/60Hz, 0.5 amps (167/200cc/min, 50/60Hz)								
G	100V AC, 50/60Hz, 2.0 amps								
H	200V AC, 50/60Hz, 2.0 amps								
Controller type:									
A	Terminal block								
B	On/off timer (not available on 1.8 litre models)								
C	Programmable controller (for motor voltages B, C and D use w/option D use w/required wiring A)								
D	Direct connect to three phase motor (for motor voltages E and F only, not available on 1.8 litre models)								
E	Lite programmable controller (for motor voltages C, D, G and H, not available on 1.8 litre models, use w/option N)								

Example: to order a 1.8 litre reservoir with a restrictive/SLR distribution system, standard options, terminal block controller and a 115V AC motor, you would use Part SF2ANAC.

SureFire PDI Lubricator



NEW



The heart of the SureFire PDI centralized lubrication system is the robust and durable SureFire PDI Lubricator, capable of handling oil and fluid greases. Available in four reservoir capacities to fit your space requirements and lubrication demands, the SureFire PDI lubricator is a self-contained electric motor-driven gear pump that can adapt to a broad range of production machinery. It can handle single injectors or injector groups serving up to 100 lubrication points.

Its versatility also allows it to perform with other lubrication systems and applications.

- Max Output Volume: 100V AC, 115V AC, 200V AC, 230V AC: 200cc/min @ 60 Hz (167cc/min @ 50 Hz)
- Max Output Volume: 24V DC: 250cc/min
- Max Output Volume: Three phase: 200 or 500cc/min @ 60 Hz; 167 or 415cc/min @ 50 Hz
- Max Output Pressure: 450 psi (31 bar)
- Pressure Switch Setting^{1,2}: Normally open, closes at 290 psi (20 bar)
- Soft Greases³: NLGI 000, NLGI 00 (40,000 cSt max)
- Output Connection: G 1/4 BSPP
- Single (main) Feed Line: 6mm O.D. minimum recommended

1 Pressure switch is standard on single phase models. Not available on three phase models.

2 External end-of-line pressure switch also available (part #26772-2; 225 psi).

Ordering Instructions

To define the exact pump characteristics use the following codes:

Product Code		SF							
Reservoir capacity:									
<input type="checkbox"/> 2	1.8 litre (ABS Terlux plastic)								
<input type="checkbox"/> 3	2.7 litre (ABS Terlux plastic)								
<input type="checkbox"/> 6	6 litre (ABS Terlux plastic)								
<input type="checkbox"/> 12	12 litre (painted steel)								
Distribution system:									
<input type="checkbox"/> B	Volumetric/PDI								
Options:									
<input type="checkbox"/> N	Standard oil version								
<input type="checkbox"/> B	Standard grease version (grease level switch, no fill screen)								
<input type="checkbox"/> A	Quick connect grease version (grease level switch and quick connect style reservoir fill fitting for grease/no fill screen)								
<input type="checkbox"/> C	Quick connect oil version (quick connect style reservoir fill fitting for oil/no fill screen)								
<input type="checkbox"/> D	Standard oil version (2 position oil level switch, required for type "C" Controller type)								
Required wiring (if controller type C is selected):									
<input type="checkbox"/> A	M12								
Voltage:									
<input type="checkbox"/> B	24V DC, 2.4 amps								
<input type="checkbox"/> C	115V AC, 50/60Hz, 1.9 amps								
<input type="checkbox"/> D	230V AC, 50/60Hz, 1.0 amps								
<input type="checkbox"/> E	230/480V AC, three phase, 50/60Hz, 0.5 amps (416/500cc/min, 50/60Hz)								
<input type="checkbox"/> F	230/480V AC, three phase, 50/60Hz, 0.5 amps (167/200cc/min, 50/60Hz)								
<input type="checkbox"/> G	100V AC, 50/60Hz, 2.6 amps								
<input type="checkbox"/> H	200V AC, 50/60Hz, 1.8 amps								
Controller type:									
<input type="checkbox"/> A	Terminal block*								
<input type="checkbox"/> B	On/off timer* (not available on 1.8 litre or 3-Phase models)								
<input type="checkbox"/> C	CDA Programmable Controller/monitor (not available on 3-Phase)								
<input type="checkbox"/> D	Direct connect to three phase motor (This code is required and only used with voltages E and F. 3-Phase not available in 2 litre)								
<input type="checkbox"/> E	Lite Programmable Controller (for motor voltages C, D, G and H only, not available on 1.8 litre models; use w/Option N)								
	*CE approved								

Example: To order a 1.8 litre reservoir with a volumetric/PDI distribution system, standard options, terminal block controller and a 115V AC motor, you would use Part **SF2BNAC**.

Standard versions include: float type reservoir, low level switch, standard reservoir fill cap screen, quick dump valve for PDIs and 450 psi pressure relief valve.

FOR COMPRESSORS, SEE SECTION 10



AMGP-01NS Series Lubricators

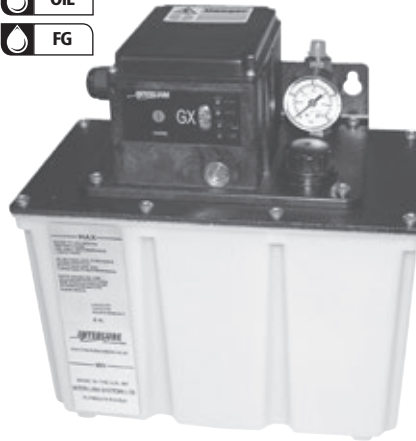
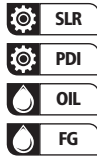


- Without controller
- Delivery: 150cc/min
- Pressure: 15 bar
- With feed button and float switch which is set at normally closed
- Built in pressure switch and vent valve
- Outlet Connection: 1/8" BSPP for 6mm tube
- Operating pressure: 3-25 bar
- Output volume: 110cc/min at 50Hz
130cc/min at 60Hz

Product Code	Reservoir	Voltage
AMGP-1M1-01NS	1.8 Litre	110V
AMGP-1M2-01NS	1.8 Litre	220V
AMGP-1M1-01NS-T03	3 Litre	110V
AMGP-1M2-01NS-T03	3 Litre	220V
AMGP-1M1-01NS-T06	6 Litre	110V
AMGP-1M2-01NS-T06	6 Litre	220V
AMGP-1M1-01NS-T12	12 Litre	110V
AMGP-1M2-01NS-T12	12 Litre	220V

GX Pumps With Controls

INTERLUBE



- Integral controller
- Includes pressure gauge, manual override button and pressure adjust screw
- Outlet Connection: M8X1
- Operating Pressure: 3-25 bar
- Output Volume: 110 cc/min 50 Hz,
130 cc/min 60 Hz
- Recommended Lubricants: 15-480 cSt oil
and NLGI 000 fluid grease

3 Litre Reservoir

Product Code	Description
GX3103	110V PDU
GX3203	240V PDU
GX4103	110V Flow Units
GX4203	240V Flow Units

3 Litre Reservoir, Fluid Grease

Product Code	Description
GX3103/FG	110V PDU
GX3203/FG	240V PDU

6 Litre Reservoir

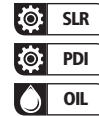
Product Code	Description
GX3106	110V PDU
GX3206	240V PDU
GX4106	110V Flow Units
GX4206	240V Flow Units

6 Litre Reservoir, Fluid Grease

Product Code	Description
GX3106/FG	110V PDU
GX3206/FG	240V PDU

GX Basic Pumps Without Controls

INTERLUBE



- Outlet Connection: M8X1
- Operating Pressure: 3-25 bar
- Output Volume: 110 cc/min 50 Hz,
130 cc/min 60 Hz
- Recommended Lubricants: 15-480 cSt oil
and NLGI 000 fluid grease

Ordering Instructions

To define the exact pump characteristics use the following codes:

Product Code	<input type="text" value="GX"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Distribution system:					
<input type="checkbox"/> 1 Volumetric/PDI					
<input type="checkbox"/> 2 Resistance					
Voltage:					
<input type="checkbox"/> 1 110/120V AC					
<input type="checkbox"/> 2 220/240V AC					
Options:					
<input type="checkbox"/> 1 No options					
<input type="checkbox"/> 2 With float switch					
<input type="checkbox"/> 3 With F/S & pressure switch					
<input type="checkbox"/> 4 With F/S & pressure gauge					
<input type="checkbox"/> 5 With F/S & P/S & P/G					
<input type="checkbox"/> 6 With pressure switch					
<input type="checkbox"/> 7 With P/S & pressure gauge					
<input type="checkbox"/> 8 With pressure gauge					
Reservoir capacity:					
<input type="checkbox"/> 3 3 Litre					
<input type="checkbox"/> 6 6 Litre					

FOR TUBING, SEE SECTION 9



Lubemaster® Pump



The Lubemaster is designed to pump grease or oil efficiently at a wide range of pump cycle rates and pressures. Anti-friction drive bearings and simplified design improve pump operation and reliability. Its board output range and interchangeability of drive and mounting selections make it suitable for a wide range of applications. Optional high pressure and low level switches are available to provide protection against excessive system pressure and low reservoir lubricant levels.

Ordering Instructions

To define the exact pump characteristics use the following codes:

Product Code	Lubemaster Pump 563380† (521-700-000)	LUB						
Reservoir option:								
OPA	12 pint oil plastic reservoir, 562892 (185-100-380)							
OPB	20 pint oil plastic reservoir, 562893 (185-100-390)							
OMA	12 pint oil plastic reservoir, 562894 (185-100-400)							
OMB	20 pint oil plastic reservoir, 562895 (185-100-410)							
GPA	12lb grease plastic reservoir, 562896 (185-100-540)							
GPB	20lb grease plastic reservoir, 562897 (185-100-550)							
GMA	12lb grease plastic reservoir, 562898 (185-100-560)							
GMB	20lb grease plastic reservoir, 562899 (185-100-570)							
OHS	Overhead supply reservoir, 562908 (185-100-930)							
††Drive option*:								
DOA	Clutch drive W/ARM, 563383 (521-700-300)							
DOB	10:1 reduction, floor mounting, 563388 (521-700-550)							
DOC	10:1 reduction, wall mounting, 563386 (521-700-520)							
DOD	60:1 reduction, floor mounting, 563389 (521-700-560)							
DOE	60:1 reduction, wall mounting, 563387 (521-700-530)							
Motor option*:								
MOA	115/230V, 1/2hp, 1ph, 60Hz, 1725rpm, 557271 (492-380-040)							
MOB	230/460V, 1/2hp, 3ph, 60Hz, 1725rpm, 557270 (492-380-030)							
MOC	115/230V, 1/2hp, 1ph, 60Hz, 1140rpm, 557272 (492-380-240)							
MOD	230/460V, 1/2hp, 3ph, 60Hz, 1140rpm, 557273 (492-380-250)							
Low level option*:								
LOA	12 pint oil low level, SPDT, 15 amps, 563316 (521-001-030)							
LOB	20 pint oil low level, SPDT, 15 amps, 563317 (521-001-040)							
LOC	12 and 20lb grease low level, 563322 (521-001-110)							
LOE	12 pint oil low level, SPDT, 10 Watts, 563015 (456-010-172)							
LOF	20 pint oil low level, SPDT, 10 Watts, 563016 (456-010-173)							
**LOH	12 and 20lb grease low level, exp proof, 564377 (521-701-400)							
Pressure indicator option*:								
POA	Standard blowout, 1,450 psi, oil, 563179 (509-206-100)							
POB	Standard blowout, 2,350 psi, grease, 563184 (509-206-160)							
POC	High pressure blowout switch, 1,450 psi, oil, 563384 (521-700-390)							
POD	High pressure blowout switch, 2,350 psi, grease, 563385 (521-700-400)							
Gauge option:								
G1	None, 1/4 pipe plug							
G3	0-3,000 psi gauge, liquid filled, 557713 (526-200-300)							

*Omit if not required.

**Class I, Group C & D; Class II, Group E, F & G; SPDT, 15 amp @ 125-480V AC; 1/2 amp, 125V DC; 1/4 amp, 250V DC.

† When ordering Lubemaster pump, Part No. 563380 (521-700-000), a fill stud Part No. 557374 (506-189-001) and a standard blowout Part No. 563179 (509-206-100) (oil) or Part No. 563184 (509-206-160) (grease) must be ordered as a separate line item.

†† Drive options DOB, DOC, DOD and DOE contain all required mounting hardware including Mounting Plate, Coupler, Coupling Guard, Nuts, Bolts and Washers.

NEW



- Adjustable output
- Broad output range
- Simplified construction
- Hardened steel piston in steel sleeve
- Soft seat outlet check valve
- Modular components
- Driven by an electric motor (gear drive) or by a rotating or oscillating movement (clutch drive)

Pkg. of 6 Blowout Discs

Product Code	Description
563962	Yellow, 1,450 psi, Oil

Product Code	Description
563965	Aluminum, 2,350 psi, Grease

Product Code	Description
557428	Blue, 2,950 psi, Oil & Grease

Lubemaster Pump Repair Kits

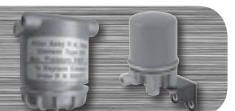
Product Code	Description
563921	Seal Kit for Pump

Product Code	Description
563383	Repair Kit for Clutch Drive with Arm

Product Code	Description
563915	Drive Repair Kit

Product Code	Description
563916	Output Manifold Repair Kit

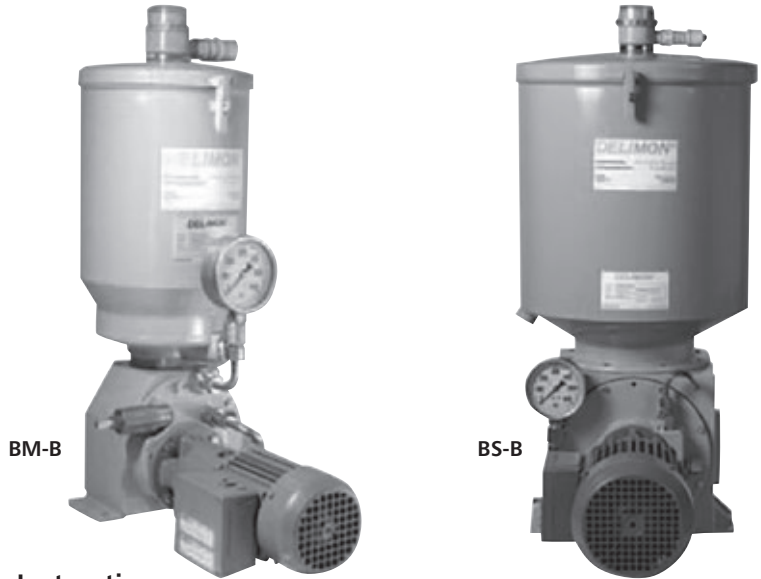
FOR FILTERS, SEE SECTION 5



BM-B & BS-B Pumps

Farval
Lubrication Systems, Inc.

NEW



BM-B

BS-B

In applications where electricity is available to power the lubricator, our BM-B and BS-B models are ideally suited to be the heart of a lubrication system. These pumps are robust for harsh and severe applications and their compact construction of high grade steel gives them a long service life. They are ideally suited to service medium and large sized machinery. They can also be used for refilling and mobile greasing systems.

- Maximum working pressure: 5800 psi (400 bar)
- Grease: NLGI grade 000-2
- Discharge: BM-B: 2 and 4 litre/h, dependant upon driving speed
BS-B: 7, 4 and 22 litre/h, dependant upon driving speed
- Built-in pressure relief value: 0 to 5800 psi (0 to 40 bar)
- Outlet Connection: 3/8" BSP

Ordering Instructions

To define the exact pump characteristics use the following codes:

Product Code **BMB** [] [] [] [] [] [] [] [] [] []

Number of outlets:
 01 1 outlet

Revision level:
 A Revision A

Flange mounted gear motor:

- 01 1/4hp (63rpm) 220/240V 60Hz, 440/480V 60Hz: three phase 243/277V 50Hz, 380/415V 50Hz: three phase
- 02 1/2hp (63rpm) 220/240V 60Hz, 440/480V 60Hz: three phase 243/277V 50Hz, 380/415V 50Hz: three phase
- 03 1/2hp (125rpm) 220/240V 60Hz, 440/480V 60Hz: three phase 243/277V 50Hz, 380/415V 50Hz: three phase

Accessories:

- 00 No accessories
- 01 Level switch
- 02 Pressure gauge
- 03 Level switch & pressure gauge

Reservoir capacity:

- A 8 litre (16.5lb) reservoir
- B 15 litre (31.5lb) reservoir
- C 30 litre (63lb) reservoir

Drive position:
 0 Without

Product Code **BSB** [] [] [] [] [] [] [] [] [] []

Number of outlets:
 01 1 outlet

Revision level:
 A Revision A

Flange mounted gear motor:

- 01 1hp (80rpm) 220/240V, 380/415V 50Hz: three phase
- 02 1hp (80rpm) 290/305V, 500/525V 50Hz: three phase
- 03 2hp (160rpm) 220/240V, 380/415V 50Hz: three phase
- 04 2hp (250rpm) 220/240V, 380/415V 50Hz: three phase
- 05 1/2hp (80rpm) 220/240V, 380/415V 50Hz: three phase

Accessories:

- 00 No accessories
- 01 Level switch
- 02 Pressure gauge
- 03 Level switch & pressure gauge

Reservoir capacity:

- A 60 litre (126lb) reservoir
- B 100 litre (210lb) reservoir

Drive position:
 0 Without

Example: to order a BS-B lubricator with a 2hp (160rpm) three phase flange mounted gear motor, 60 litre reservoir and a level switch, you would use Part **BSB01A030A01**

FOR VALVES, SEE SECTION 8



AX Pumps



The Interlube AX range is a compact electrically operated multi-line system that offers a very economical means of providing centralised lubrication. The pumps are constructed from waterproof and corrosion proof materials and have fully self-contained controls which can be adjusted to give precise amounts of lubrication over a given period of time. The AX range is easy to install and operate, and is virtually maintenance free, making it ideal for a wide range of industrial applications.



- Electrically operated 110/240v
- Suitable for use with SAE 80/90 oil and grease up to NLGI Grade 2
- Serves up to 60 points as standard, larger sizes available upon request
- Multi-position timer with memory
- Six colour coded pumping units available with outputs from 0.01cc to 0.1cc
- High quality reliable product



AX1 (1.25 Litre Reservoir)

Product Code	AX1			
No. of mins:				
1	6 mins			
2	15 mins			
3	30 mins			
4	60 mins			
Voltage:				
3	110V 50/60Hz			
4	240V 50/60Hz			
No. of points:				
1	12 points			
2	24 points			
3	36 points			



AX2 (2 Litre Reservoir)

Product Code	AX2			
No. of mins:				
1	6 mins			
2	15 mins			
3	30 mins			
4	60 mins			
Voltage:				
1	110V			
2	240V			
No. of points:				
1	12 points			
2	24 points			
3	36 points*			



AX3 (3 Litre Reservoir)

Product Code	AX3			
No. of mins:				
0	Continuous			
1	3 minute delay			
2	7 minute delay			
3	10 minute delay			
4	20 minute delay			
5	30 minute delay			
6	45 minute delay			
7	60 minute delay			
8	90 minute delay			
9	120 minute delay			
Voltage:				
1	110V			
2	240V			
No. of points:				
1	12 points			
2	24 points			
3	36 points			
2	48 points			
3	60 points			
Connections:				
1	Grease nipple filler			
2	Quick release coupling			

Cycle time = (minutes per rev).
*Suitable for oil and fluid grades up to '000' grade only.

For pumping units see next page.

FOR GREASE, SEE SECTION 1



AC Pumps

The AC range has a radial manifold ranging from 12 to 84 ports, depending on the model. Each port can be fitted with a positive displacement lubricant injector.

Each lubricant injector is dedicated to a single lubrication point.

The lubricant injector is connected to the lube point with tubing and a tube connector.

Numbered sleeves are placed on the tubing at both the lubricant injector and lube point to assure accurate installation and identification.



NEW



- Maximum 12 lubrication points
- Operates for up to 750 hours on each reservoir filling
- Motor type: geared
- Synchronous power consumption: 4 VA
- Pump cycle time: 12 minutes
- Nominal reservoir capacity: 1.25 litres
- Nominal weight (full): 3.25kg

AC1 (1.25 Litre Reservoir)

Product Code	Description
AC1111	AC Pump Assembly (12 volt/12 outlets)
AC1121	AC Pump Assembly (24 volt/12 outlets)

NEW



- Maximum 36 lubrication points
- Operates for up to 1500 hours on each reservoir filling

AC2 (2 Litre Reservoir)

Ordering Instructions

To define the exact pump characteristics use the following codes:

Product Code	AC2			
Cycle time:				
1	2.5 mins*			
2	9 mins			
3	12 mins			
4	15 mins			
Voltage:				
1	12V DC			
2	24V DC			
Points:				
1	12 points			
2	24 points			
3	36 points**			

Cycle time = minutes per rev.

*Continuous trailer option: 1.33 mins/rev motor available as option.

**Suitable for oil and fluid grades up to '000' grade only.

NEW



- Maximum 60 lubrication points
- Operates for up to 2,000 hours on each reservoir filling
- Motor type: geared
- Nominal reservoir capacity: 3 litres
- Nominal weight (full): 5kg

AC3 (3 Litre Reservoir)

Ordering Instructions

To define the exact pump characteristics use the following codes:

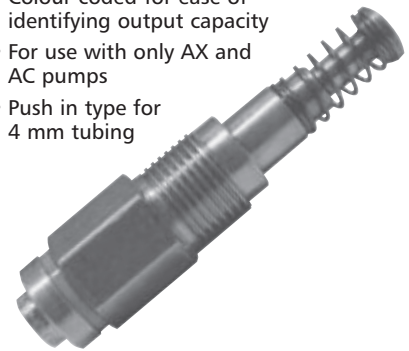
Product Code	AC3				
Cycle time:					
0	Continuous double speed				
1	Continuous normal speed				
2	3 minute delay				
3	7 minute delay				
4	11 minute delay				
5	15 minute delay				
6	19 minute delay				
7	24 minute delay				
8	30 minute delay				
9	36 minute delay				
Voltage:					
1	12V				
2	24V				
Points:					
1	12 points				
2	24 points				
3	36 points				
4	48 points				
5	60 points				
Connection:					
1	Grease nipple filler				
2	Quick release coupling				

2 low level options available for the AC3 pump, capacitive sensor type and a collapsible bellows/reed switch type for both fluid and heavy grease. Both can be wired for visual/audible warnings.

Pumping Units

Each lubricant injector is a positive displacement device to meter lubricant to single lubrication points. The lubricant injector is calibrated to deliver a precise volume of lubricant each time it is actuated.

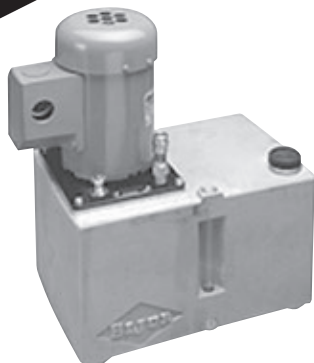
- Colour coded for ease of identifying output capacity
- For use with only AX and AC pumps
- Push in type for 4 mm tubing



Part No.	Colour Code	Stroke Output (cc)
78033	Red	0.010
78034	Green	0.015
78035	Orange	0.025
78036	Blue	0.040
78037	Silver	0.060
78038	Black	0.100
34237-402	Blanking Plug (for unused outlets)	

CONTINUOUS PUMPS

Lubricators V5, Automatic



Discharge Adjustment: lubricator is pre-set with bypass valve closed for maximum discharge of 125 cu cm per minute (104 cu cm with a 50 cycle motor). With lubricator at normal operating temperature on machine, desired discharge volume is obtained by adjusting the bypass needle valve to pre-calculated pressure on system pressure gauge. Pressure is limited internally to 130 psi by a relief valve.

- Outlet Connection: 1/8" NPT

V5W Lubricator

Product Code	Description
60747	Without Reservoir

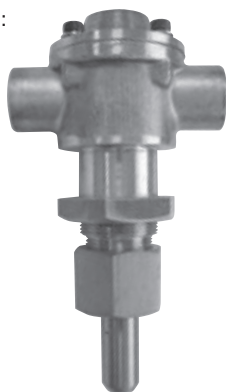
Reservoirs to Suit

Product Code	Description
D2591	1 Gal Reservoir with Float Switch
D2593	1 Gal Reservoir without Float Switch
D3027	1 Gal Reservoir with Return Line

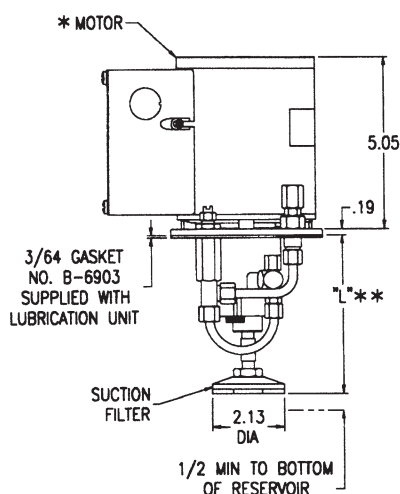
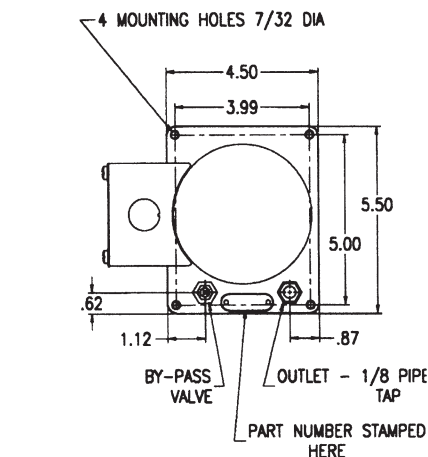
Rotary Pump

Can be independently mounted or fully immersed in a reservoir. It should always be used in conjunction with a relief valve. The pump has a brass body and plunger with hardened steel drive shaft and rotor.

- Outlet Connection: 1/4" BSPP
- Max. Operating Pressure: 1.3 bar
- Max. Output/min: 1.2 Litre



Product Code	Connection
LULV10013	1/4" BSPP

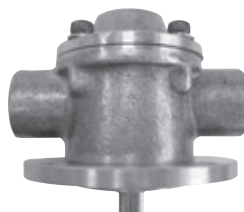


* MOTOR SHAPE BIJUR'S OPTION ** SEE "MOUNTING"

Flanged Rotary Pump

This is a flanged mounted version of the LULV10013 rotary pump. It is ideally suited for mounting direct into an oil reservoir and the pump is supplied complete with a sealing gasket for the mounting flange.

- Max. Operating Pressure: 1.3 bar
- Max. Output/min: 1.2 Litre



Product Code	Connection
LULV10014	1/4" BSPP

Motorised Gear Pumps

- Outlet Connection for 0.5 Litre: 1/4" BSPP for 6 mm tubing
- Outlet Connection for 3, 9, 12 Litre: 1/4" BSPP for 10 mm tubing

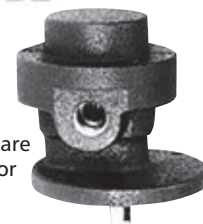


MGP1120



Motorised Gear Pump

Product Code	Description
MGP1120	0.5Lt per Min, 240V FT/MT
MGP1130	0.5Lt, 415V, 3ph 50Hz
MGP1530	0.5Lt per Min, 440V 60Hz
MGP1612	0.5Lt per Min, 110V N/O F/S
MGP1630	0.5Lt per Min, 6Lt Res, 380/440V 3ph
MGP1640	0.5Lt per Min, 6Lt Res
MGP1730	0.5Lt per Min, 12Lt Res, 380/440V 3ph
MGP1733	12Lt Res, NC FS
MGP1813	0.5Lt per Min, 25Lt Res, NC FS 110V 50Hz
MGP1833	0.5Lt per Min, 25Lt Res, NC FS 380/440V
MGP2130	Foot Mounted, 3Lt per Min, 380/440V 3ph
MGP2230	Foot Mounted, 3Lt per Min, 380/440V 3ph
MGP2530	3Lt per Min, 380/440V
MGP3130	9Lt per Min, 380/440V 3ph
MGP4130	380/440V 3ph
MGP4230	380/440V 3ph



Interlube gear pumps are specifically designed for continuous and cyclic automatic lubrication systems. They are supported by an extensive range of accessories suitable for a wide variety of industrial applications. The pump bodies are manufactured from high grade cast iron, the rotors and shafts are steel, and the seals nitrile rubber. The pumps are suitable for oils and fluid grease. Pumps are available with flange mounting for mechanical drive, motorised foot mounted, or reservoir mounted. Four sizes of pump are available with outputs of 0.5, 3, 9 and 16 lt/min. On motorised versions the maximum rated operating pressure is 25 bar for the 0.5 lt/min pump, 10 bar for the 3 lt/min and 9 lt/min, and 5 bar for the 16 lt/min pump.

- Outlet Connection: 1/4" BSPP

Gear Pump

Product Code	Description
GP1	0.5 Litre per Min
GP2	3 Litre per Min

PNEUMATIC PUMPS

Airmatic Pneumatic Pump



NEW



The Airmatic lubricator is a simple economical unit with a broad range of output. It is designed to be operated with a mains air supply. The stroke setting is easily adjusted to suit a wide variety of industrial centralised lubrication needs.

Airmatic lubricator includes an air actuated, spring return piston pump with an adjustable output between 2 to 10cc for each piston stroke at discharge pressures up to 500 psi. Oil output is related to piston travel and cycles per unit time. Stroke movement is preset to a fixed discharge and supply air pressure governs the output delivery pressure. When used with positive displacement injectors, a built-in pressure relief device lets the PDI reset after discharge.

- Delivery volume: 2cc-10cc/actuation cycle (infinite adjustment)
- Viscosity range: 150-8000 SSU¹
- Normal range cycle: up to 30 cycles/minute maximum²
- Operating temperature: 32°F to 120°F (0°C to 49°C)
- Air Outlet Connection: 1/4" NPT
- Oil outlet connection: 1/8" NPTF (female)
- Low level switch: 0.17 amp at 110V AC
- Solenoid valve: 0.12 amp at 110V AC
- Lubricator air connection (without solenoid): 1/4" NPTF (female)
- Operating pressure: 300 psi (21 bar) – SLR, PRG
400 psi (28 bar) – PDI
- Recommended incoming air pressure: 80 psi (5 bar) – SLR, PRG
100 psi (7 bar) – PDI
- Air/oil pressure ratio: 1:4
- Maximum inlet pressure: 125 psi
- Minimum inlet pressure: 70 psi

¹ Viscosity range at operating temperature may be restricted by internal relief valve.

² System parameters may affect this rate.

Pneumatic Pump

NEW



- Working pressure: 30 bar
- Discharge: 13cc
- Air pressure: 4/7 bar
- Max Cycle Per Min: 4
- Air Outlet Connection: 1/4" BSPP
- Oil Outlet Connection: complete with nut & olive for 6 mm tubing
- Oil Viscosity: 5-1000 (cSt)
- Ratio: 4:5:1

Product Code	Description
002210	1 Litre Reservoir

Ordering Instructions

To define the exact pump characteristics use the following codes:

Product Code	AIR				
Reservoir capacity:					
<input type="checkbox"/> 1	1 litre plastic reservoir				
<input type="checkbox"/> 4	4 litre plastic reservoir				
<input type="checkbox"/> 12	12 litre metal reservoir				
Output mode (system type):					
<input type="checkbox"/> A	SLR (single line resistance)				
<input type="checkbox"/> B	PDI (positive displacement injector)				
<input type="checkbox"/> C	Progressive (sequential movement)				
Level switch:					
<input type="checkbox"/> A	Without level switch				
<input type="checkbox"/> B	With level switch				
Solenoid valve:					
<input type="checkbox"/> A	No solenoid				
<input type="checkbox"/> B	110V solenoid				
<input type="checkbox"/> C	220V solenoid				
<input type="checkbox"/> F	110V solenoid, with DIN connector				
<input type="checkbox"/> G	220V solenoid, with DIN connector				
<input type="checkbox"/> H	24V DC solenoid				
<input type="checkbox"/> J	12V DC solenoid				
<input type="checkbox"/> K	24V DC solenoid, with DIN connector				

Example: 1 litre unit for SLR system without switch and solenoid, use Part: **AIR1AAA**

Surematic Pneumatic Pumps



The Surematic lubricator is designed for single line progressive systems with oil or grease lubricants. A piston discharge pump, air actuated, which comprises a low level switch and a grease nipple to refill the reservoir for the grease version which is located in lower housing, or a filling plug for the oil model.

The Surematic pump is a single action pump which must be piloted by a 3/2 way solenoid valve. The discharge is adjustable by moving position of the screw.

- Discharge: adjustable from 1 to 8cm³/stroke
- Air inlet pressure: 3 to 10 bar (max)
- Pressure ratio: 18:1
- Working pressure: 180 bar (max)
- Cycle frequency: 65 cycles per minute (max)
- Working temperature: 10°C to 50°C

Grease version:

- Lubricants to be used: grease NLGI 000 to NLGI 2 (max)
- Electrical low level switch: 125/250V (max)
- Power rating: 6A-125V/3A-250V
- Air Outlet Connection: 1/8" NPT
- Oil Outlet Connection: 1/4" NPT

Ordering Instructions

To define the exact pump characteristics use the following codes:

Product Code	SUR				A
Reservoir capacity:					
<input type="checkbox"/> 2	2kg				
<input type="checkbox"/> 4	3.5kg				
<input type="checkbox"/> 5	5kg				
Distribution system:					
<input type="checkbox"/> C	Progressive				
Options:					
<input type="checkbox"/> B	Low level control				

Example: a Surematic pump with a 5kg grease reservoir, use Part: **SUR5CBA**

Modu-Flo® Air Operated Pump



- Mix and match pumps, reservoir and manifold in any configuration to meet any application
- Replace the pump or reservoir without disconnecting lubrication lines
- Easy to standardise on components and reduce inventory
- Adjustable pump output for fast, convenient customising

Typical applications:
In plant machinery, presses and mixers.

Lubrication used:
Oil & grease up to NLGI #2.

Output per Stroke:
AL5: 0.01-0.03 in³ (0.16-0.49 cm³)
AL-25: 0.03-0.12 in³ (0.49-1.96 cm³)
AL-50: 0.06-0.24 in³ (0.94-3.93 cm³)

Max Strokes per Minute: 30
Max Output Pressure: 3,500 psi (241 bar)
Ratio: 30:1



Ordering Instructions

To define the exact pump characteristics use the following codes:

Product Code	MPP	□	□	□	□	□	□	□	□	□	□
Reservoir option:											
OP1	5 pint, oil, cylindrical plastic - 562891 - (185-100-080)										
OP2	12 pint, oil, cylindrical plastic - 562889 - (185-100-060)										
OP3	20 pint, oil, cylindrical plastic - 562890 - (185-100-070)										
OP4	6 pint, oil, cylindrical plastic - 562904 - (185-100-750)										
T1	12 pint oil tank - 563319 - (521-001-060)										
T2	24 pint oil tank - 563320 - (521-001-070)										
T3	40 pint oil tank - 563321 - (521-001-080)										
GP1	5lb grease, cylindrical plastic - 562888 - (185-100-040)										
GP2	12lb grease, cylindrical plastic - 562884 - (185-100-000)										
GP3	20lb grease, cylindrical plastic - 562885 - (185-100-010)										
GP4	6lb grease, cylindrical plastic - 562905 - (185-100-760)										
GP5	3lb grease, cylindrical plastic - 562910 - (185-101-080) See Footnote 5										
GM1	5lb grease, cylindrical metal - 564264 - (185-100-050)										
GM2	12lb grease, cylindrical metal - 562886 - (185-100-020)										
GM3	20lb grease, cylindrical metal - 562887 - (185-100-030)										
GM4	6lb grease, cylindrical metal - 562906 - (185-100-770)										
Baseplate thread option:											
NPT	Intermediate baseplate - 563324 - (521-001-180)										
SAE	Intermediate baseplate - 563355 - (521-010-820)										
Pump option*:											
A0	None										
A1	ALS - 5 air, S.A., 30:1 (.010 - .030 IN3/stroke) - 563304 - (521-000-001)										
A2	ALJ - 5 air, D.A. - 563304 - (521-000-001)										
A3	ALS - 25 air, S.A., 30:1 (.030 - .120 IN3/stroke) - 563306 - (521-000-021)										
A4	ALJ - 25 air, D.A. - 563306 - (521-000-021)										
A5	ALS - 50 air, S.A., 30:1 (.060 - .240 IN3/stroke) - 563308 - (521-000-041)										
A6	ALJ - 50 air, D.A. - 563308 - (521-000-041)										
H1	HJ - 5 hydr, D.A., 5.5:1 (.010 - .030 IN3/stroke) - 563305 - (521-000-011)										
H2	HJ - 25 hydr, D.A., 5.5:1 (.030 - .120 IN3/stroke) - 5633307 - (521-000-031)										
H3	HJ - 5X hydr, D.A., 2.2:1 (.030 - .092 IN3/stroke) - 563345 - (521-005-900)										
E3	24V DC, w/20ft cable - 563356 - (521-010-915) See Footnote 4										
E5	115V AC, w/20ft cable - 563346 - (521-007-060) See Footnote 4										
Pressure gauge option*:											
G1	No gauge										
G2	3,000 psi standard gauge - 557864 - (543-362-000)										
G3	3,000 psi liquid fill gauge - 557866 - (543-711-380)										
Wiring option*:											
W1	Solenoid valve wired to timer										
Timer/controller*:											
C10	Solid state AC timer, all tanks - 563339 - (521-004-500)										
C11	Solid state AC timer, 5 PT/LB cylindrical - 563340 - (521-004-510)										
C12	Solid state AC timer, 6, 12 & 20 PT/LB cylindrical - 563341 - (521-004-520)										
Solenoid valve option S.A. pneumatic pumps only* (not available with sea baseplate):											
S1	115V AC, 3-way pneumatic solenoid valve - 563315 - (521-001-020)										
S2	24V DC, 3-way pneumatic solenoid valve - 563332 - (521-002-100)										
S5	230V AC, 3-way pneumatic solenoid valve - (521-002-790)										
Pressure indicator option*:											
P1	Pressure switch all sizes - 557829 - (541-210-120)										
P2	High pressure blowout switch, 5 PT/LB cylindrical - 563325 - (521-001-190)										
P3	High pressure blowout switch, 6, 12 and 20 PT/LB cylindrical - 563326 - (521-001-200)										
P4	High pressure blowout switch, all tanks - 563327 - (521-001-210)										
P5	Standard blowout, 1450 psi - 563179 - (509-206-100)										
Low level option*:											
L1	5 & 12 pint cylindrical oil reservoir, SPDT, 15amp - 563316 - (521-001-030)										
L2	20 pint cylindrical oil reservoir, SPDT, 15amp - 563317 - (521-001-040)										
L3	12, 24 & 40 pint tank & 6 pint cylindrical oil reservoir, SPDT, 15amp - 563318 - (521-001-050)										
L4	All grease reservoirs except 3lb and 40lb - 563322 - (521-001-110)										
L5	5 & 12 pint cylindrical oil reservoir, SPST, 10 Watts - 563015 - (456-010-172)										
L6	20 pint cylindrical oil reservoir, SPST, 10 Watts - 563016 - (456-010-173)										
L7	12, 24 & 40 pint tank and 6 pint cylindrical oil reservoir, SPST, 10 Watts - 563014 - (456-010-171)										
L8	12, 24 & 40 pint tank, dual SPST, 10 Watts switch (one low, one shutdown) - 564322 - (456-020-951)										

Notes: (1) If application requires a filter vent plug, order Part No. 540-117-000
 (2) For extra blowout discs, order Part No. 560-900-270
 (3) Nominal grease reservoir size is based on a direct conversion of oil reservoir capacity and does not reflect volume loss due to the follower and spring. Actual volumes contained are: 5 & 6lb (2.6lb), 12lb (5.8lb), 20lb (11.8lb), 40lb (27lb)
 (4) Reference bulletin 12011 for electric Modu-Flo pump specifications
 (5) 3lb with low level switch actuator 185-101-140 (order switch and bracket 510-599-000 separate)

*Omit if not required

MSA-10 Air Operated Pump


NEW


The MSA-10 is an air-operated pump with an adjustable volume output. It is designed to be used in series progressive oil or grease lubrication systems. Lubricant can be supplied to the MSA-10 pump by either a gravity feed reservoir or a pressurized source such as a bulk header that exerts up to 500 psi at the pump inlet.

This pressure handling capability is a result of the pump pistons valving action which prevents lubricant from flowing into the lube system when the piston is in the priming position. The MSA-10 is supplied as a single-acting pump. However, it can easily be field converted to double-acting by removing the plastic vent plug from the double-acting port and installing an air line.

- Adjustable lube output, from .040 to .120 cubic inches per stroke, permits a broad range of applications
- The MSA-10 is ideal for bulk header lube systems because it can handle up to 500 psi inlet pressure
- Single or double acting air cylinder provides wide choice of controls
- Ability to pump either oil or grease expands the opportunity to standardize on the MSA-10 throughout the plant or shop
- High pressure relief protection reduces chance of damage to the lube system in case of blockage
- Can be piped to standard Trabon reservoirs
- Material: steel
- Output per stroke:
0.040-0.120 cu.in. (0.66-1.97 cm³)
- Max pump strokes per min:
single acting: 15
double acting: 60
- Operating pressure:
Air inlet: 40-150 psi (275.8-1034.2 kPa)
Max lube inlet: 500 psi (3447.5 kPa)
Max lube outlet:
1,450 psi (9997.7 kPa), w/standard
1,450 psi rupture-to-atmosphere indicator
- Lubricant: oil or grease
- Air to lube: 25:1

Product Code	Description
563912	Spare Parts Kit
563072	Air Inlet Restrictor Valve
562854	MSA-10 Pump

MSA-100 Air Operated Pump


NEW


The MSA-100 is an air-operated pump with an adjustable volume output. It is designed to be used in series progressive oil or grease lubrication systems.

Lubricant can be supplied to the MSA-100 pump by either a gravity feed reservoir or a pressurized source such as a bulk header that exerts up to 500 psi at the pump inlet. This pressure handling capability results from the valve action of the MSA-100.

Its piston prevents lubricant from flowing into the lube system when the piston is in the priming position.

The MSA-100 is supplied as a single-acting pump. However, it can be easily field-converted to double-acting by simply removing the air breather from the double-acting port and installing an air line.

- Adjustable lube output, from .400 to .800 cubic inches per stroke, permits a broad range of applications
- The MSA-100 is ideal for bulk header lube systems because it can handle up to 500 psi inlet pressure
- Single or double acting air cylinder provides wide choice of controls
- Ability to pump either oil or grease expands the opportunity to standardize on the MSA-100 throughout the plant or shop
- High pressure relief protection reduces chance of damage to the lube system in case of blockage
- Can be piped to standard Trabon reservoirs
- Material: aluminum
- Seals: Buna-N and Viton
- Output per stroke:
.400-.800 cu.in (6.566-13.112 cm³)
- Max pump strokes per min:
single acting: 15
double acting: 30
- Operating pressure:
Air inlet: 60-140 psi (4-10 bar)
Max lube inlet: 500 psi (35 bar)
Max lube outlet:
3,000 psi (207 bar), supplied with
1,450 psi rupture-to-atmosphere
- Indicator
- Lubricant: oil or grease
- Air to lube: 25:1

Product Code	Description
562855	MSA-100 Pump

Spray Pumps



Bijur Lubricating Corporation's FluidFlex® pressurized dispensing system is designed for maximum efficiency, accuracy and control when dispensing virtually any fluid used in manufacturing or process industries. The FluidFlex low pressure dispensing system easily adapts to any industrial process or machine type that requires a controlled flow of fluid during operation. The air-actuated system dispenses a wide range of fluids – from water-based coolants to viscous lubricants including synthetic fluids.

The "all-in-one" system that cools, lubricates and wets

- Fine Spray
- Wet Spray
- Fluid droplets
- Continuous delivery
- Cyclic (intermittent) delivery
- Air Outlet Connection: 1/4" NPT
- Fluid Outlet Connection: 1/8" NPT
- Can supply up to 25 lubrication points
- Max Air Pressure: 125 psi
- Max Fluid Pressure: 5-100 psi

Fluidflex Units

Product Code	Description
D153	1 Gal 110V
D154	1 Gal 220V
D156	5 Gal 110V
D157	5 Gal 220V

Mist Pumps



A mist unit utilising compressed air and oil. The mixture is delivered to the point of lubrication in the form of a fine mist. Specifically designed for bearings to assure lubrication and cooling.

Product Code	Description
D2685	110V
D2819	220V
D2821	440V

NEW range of Stainless Steel Products

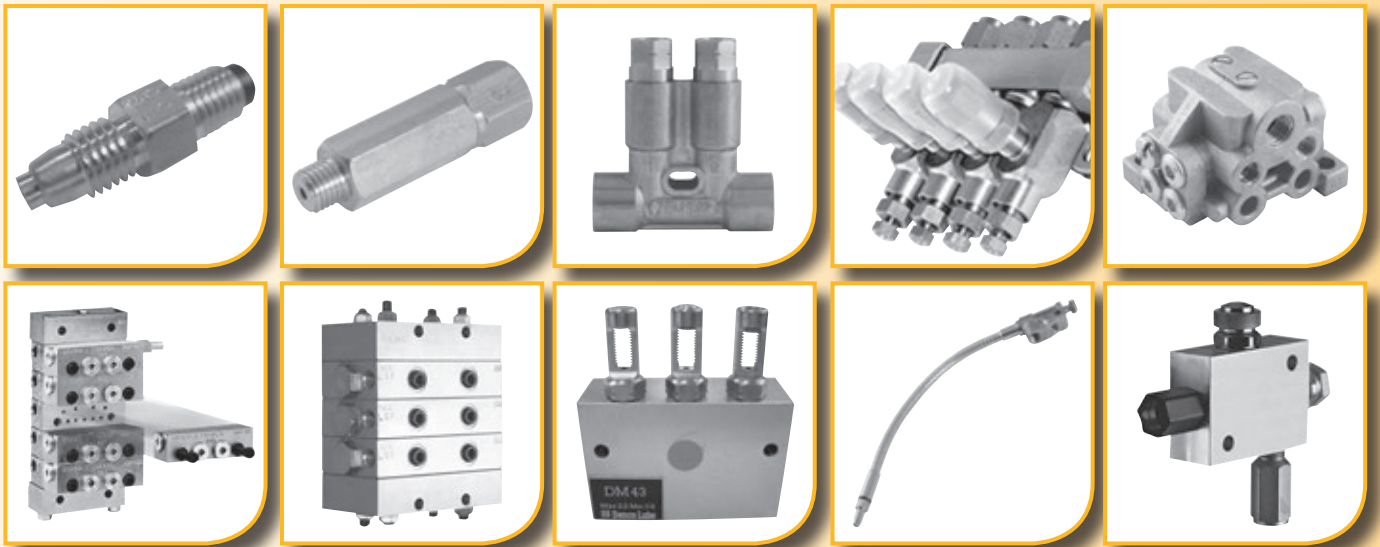


Lubetec[®]
UK 

SECTION

4

LUBRICATION METERING DEVICES



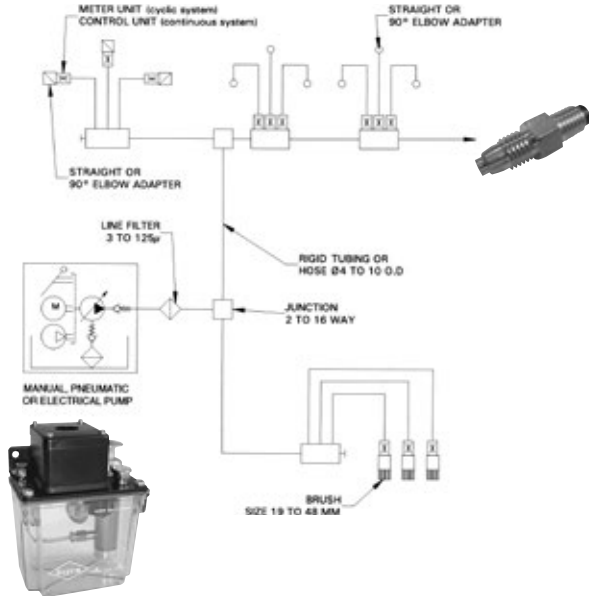
Flow Units
Control Units
Grease Injectors
Oil Injectors
Grease Distributors
MSP Divider Valves
MX Divider Valves
Dual Line Valves
Flexible Extension Jets
Spray Valves

METERING DEVICES AT A GLANCE

SELECTING THE RIGHT METERING DEVICE IS EASY! Choose your metering device based on the pump shown in the drawings below and the fluid type.

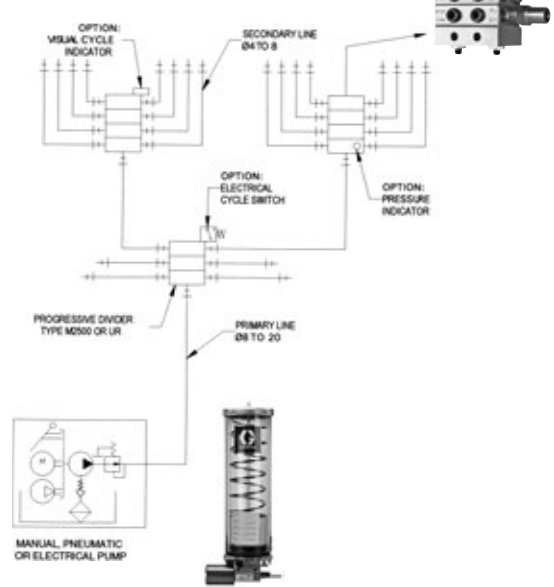
Single Line Resistance (SLR) System

The distribution of oil is controlled by 'meter units' which restrict the flow proportionally to each application point. They are used with cyclic or 'one shot' manual or automatic lubricators. The fastest flow rate is 5. Flow rates double each time.



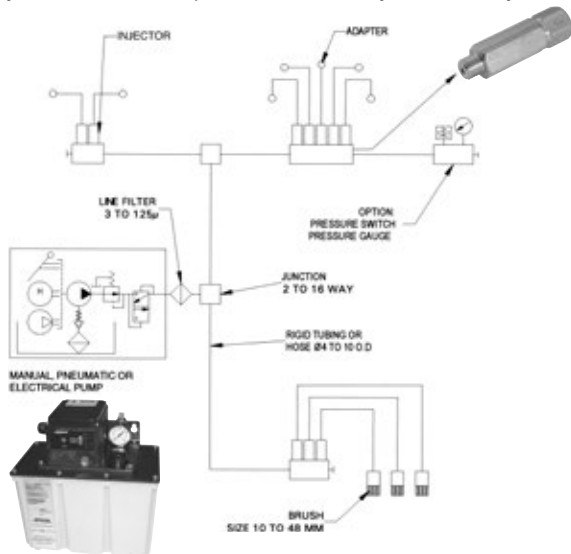
Progressive System (PROG)

Grease is fed to each point in turn. Completion of lubrication cycle can be shown by visual indicator pin or microswitch. Distributors stop operating if any point becomes blocked.



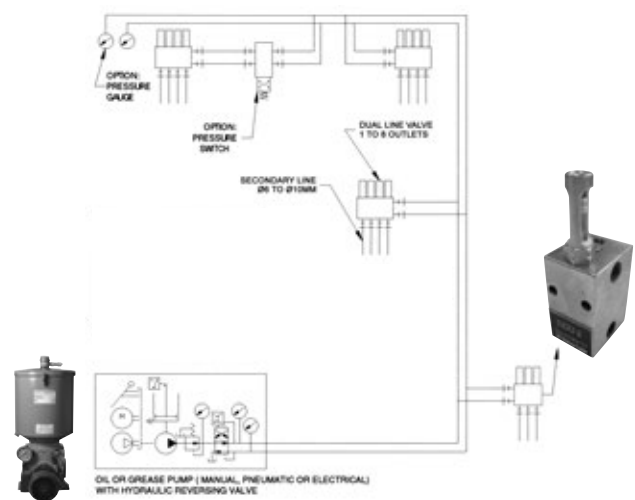
Positive Displacement (PDI) System

Positive displacement injectors (PDIs) deliver a fixed pre-measured quantity of lubricant at the outlet connection during each discharge cycle. The lubricator in a PDI system must build up line pressure to actuate injectors then relieve pressure to allow injectors to fully reset.



Dual Line System (DUAL)

Dual line systems have two main lines which are pressurised alternately to operate the distributors. Pumps have a manual or automatic changeover valve to switch lines once required pressure has been achieved. Dual line systems are ideally suited to larger systems or in a heavy industrial environment.



KEY TO SYMBOLS

System Type:

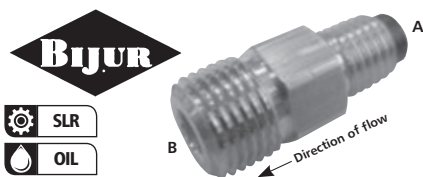


Fluid Type:



FLOW UNITS

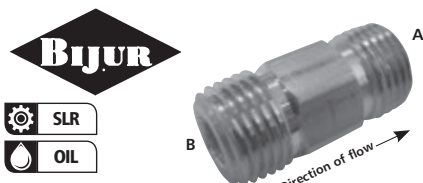
Flow Units: F Type (Cyclic)



Bearing Mounted for
4mm (5/32") Tubing

Product Code	Description	Connection A	Connection B
B6526	FSA-3/0	5/16" UNF	1/8" NPT
B1083	FSA-0	5/16" UNF	1/8" NPT
B1084	FSA-1	5/16" UNF	1/8" NPT
B1085	FSA-2	5/16" UNF	1/8" NPT
B1086	FSA-3	5/16" UNF	1/8" NPT
B1087	FSA-4	5/16" UNF	1/8" NPT
B1088	FSA-5	5/16" UNF	1/8" NPT

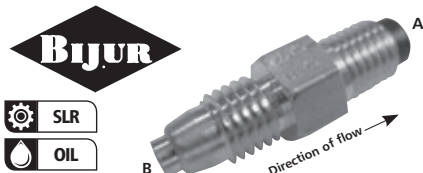
B8717	FSB-3/0	5/16" UNF	1/8" BSP
B8718	FSB-00	5/16" UNF	1/8" BSP
B8719	FSB-1	5/16" UNF	1/8" BSP
B8720	FSB-2	5/16" UNF	1/8" BSP
B8721	FSB-3	5/16" UNF	1/8" BSP
B8722	FSB-4	5/16" UNF	1/8" BSP
B8723	FSB-5	5/16" UNF	1/8" BSP



Junction Headers for
4mm (5/32") Tubing

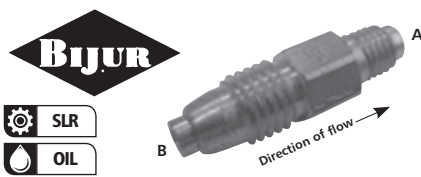
Product Code	Description	Connection A	Connection B
B6529	FT-3/0	1/8" NPT	1/8" NPT
B1112	FT-0	1/8" NPT	1/8" NPT
B1113	FT-1	1/8" NPT	1/8" NPT
B1114	FT-2	1/8" NPT	1/8" NPT
B1115	FT-3	1/8" NPT	1/8" NPT
B1116	FT-4	1/8" NPT	1/8" NPT
B1117	FT-5	1/8" NPT	1/8" NPT

B8724	FB-3/0	1/8" NPT	1/8" BSP
B8725	FB-00	1/8" NPT	1/8" BSP
B8726	FB-1	1/8" NPT	1/8" BSP
B8727	FB-2	1/8" NPT	1/8" BSP
B8728	FB-3	1/8" NPT	1/8" BSP
B8729	FB-4	1/8" NPT	1/8" BSP
B8730	FB-5	1/8" NPT	1/8" BSP



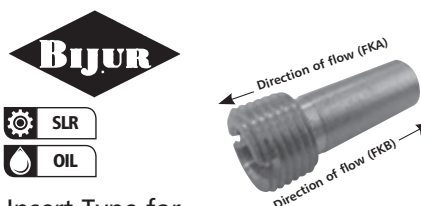
Manifold Mounted for
4mm (5/32") Tubing

Product Code	Description	Connection A	Connection B
B6548	FJB-3/0	5/16" UNF	5/16" UNF
B2494	FJB-00	5/16" UNF	5/16" UNF
B2495	FJB-0	5/16" UNF	5/16" UNF
B2496	FJB-1	5/16" UNF	5/16" UNF
B2497	FJB-2	5/16" UNF	5/16" UNF
B2498	FJB-3	5/16" UNF	5/16" UNF
B2499	FJB-4	5/16" UNF	5/16" UNF
B2500	FJB-5	5/16" UNF	5/16" UNF



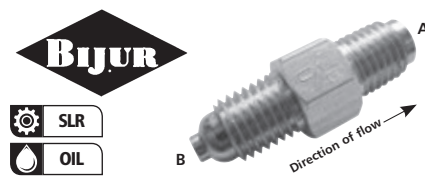
Manifold Mounted for
(3/32") Tubing

Product Code	Description	Connection A	Connection B
B3774	FJD-0	1/4" UNF	5/16" UNF
B3775	FJD-1	1/4" UNF	5/16" UNF
B3776	FJD-2	1/4" UNF	5/16" UNF
B3777	FJD-3	1/4" UNF	5/16" UNF
B3778	FJD-4	1/4" UNF	5/16" UNF
B3779	FJD-5	1/4" UNF	5/16" UNF



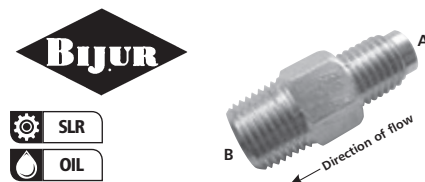
Insert Type for
4mm (5/32") Tubing

Product Code	Description	Connection
B3913	FKA-00	1/8" NPT
B3914	FKA-0	1/8" NPT
B3915	FKA-1	1/8" NPT
B3916	FKA-2	1/8" NPT
B3917	FKA-3	1/8" NPT
B3918	FKA-4	1/8" NPT
B3919	FKA-5	1/8" NPT
B7273	FKB-3/0	1/8" NPT
B3980	FKB-00	1/8" NPT
B3981	FKB-0	1/8" NPT
B3982	FKB-1	1/8" NPT
B3983	FKB-2	1/8" NPT
B3984	FKB-3	1/8" NPT
B3985	FKB-4	1/8" NPT
B3986	FKB-5	1/8" NPT



Manifold Mounted for
4mm (5/32") Tubing

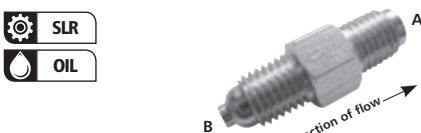
Product Code	Description	Connection A	Connection B
15323-3/0	AJB 3/0	M8 x 1	M8 x 1
15323-00	AJB 00	M8 x 1	M8 x 1
15323-0	AJB 0	M8 x 1	M8 x 1
15323-1	AJB 1	M8 x 1	M8 x 1
15323-2	AJB 2	M8 x 1	M8 x 1
15323-3	AJB 3	M8 x 1	M8 x 1
15323-4	AJB 4	M8 x 1	M8 x 1
15323-5	AJB 5	M8 x 1	M8 x 1



Bearing Mounted for
4mm (5/32") Tubing

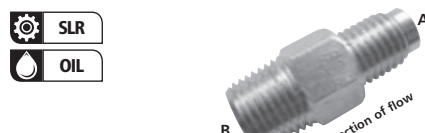
Product Code	Description	Connection A	Connection B
17841-3/0	ASA 3/0	M8 x 1	1/8" BSP
17841-00	ASA 00	M8 x 1	1/8" BSP
17841-0	ASA 0	M8 x 1	1/8" BSP
17841-1	ASA 1	M8 x 1	1/8" BSP
17841-2	ASA 2	M8 x 1	1/8" BSP
17841-3	ASA 3	M8 x 1	1/8" BSP
17841-4	ASA 4	M8 x 1	1/8" BSP
17841-5	ASA 5	M8 x 1	1/8" BSP

Flow Units: AJB & ASA Type (Cyclic)



Manifold Mounted for
4mm (5/32") Tubing

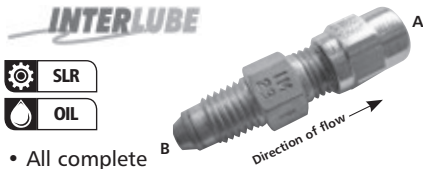
Product Code	Connection A	Connection B
AJB-03	M8 x 1	M8 x 1
AJB-02	M8 x 1	M8 x 1
AJB-0	M8 x 1	M8 x 1
AJB-1	M8 x 1	M8 x 1
AJB-2	M8 x 1	M8 x 1
AJB-3	M8 x 1	M8 x 1
AJB-4	M8 x 1	M8 x 1



Bearing Mounted for
4mm (5/32") Tubing

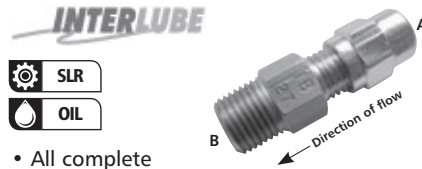
Product Code	Connection A	Connection B
ASA-03	M8 x 1	1/8" BSP
ASA-02	M8 x 1	1/8" BSP
ASA-0	M8 x 1	1/8" BSP
ASA-1	M8 x 1	1/8" BSP
ASA-2	M8 x 1	1/8" BSP
ASA-3	M8 x 1	1/8" BSP
ASA-4	M8 x 1	1/8" BSP

Flow Units: IM & IB Type (Cyclic)



Manifold Mounted for 4mm Tubing

Product Code	Description	Connection A	Connection B
53461	IM20	5/16" UNF	5/16" UNF
53462	IM21	5/16" UNF	5/16" UNF
60587	IM22	5/16" UNF	5/16" UNF
60588	IM23	5/16" UNF	5/16" UNF
60589	IM24	5/16" UNF	5/16" UNF
60590	IM25	5/16" UNF	5/16" UNF
60591	IM26	5/16" UNF	5/16" UNF
60592	IM27	5/16" UNF	5/16" UNF
60593	IM28	5/16" UNF	5/16" UNF
60594	IM29	5/16" UNF	5/16" UNF

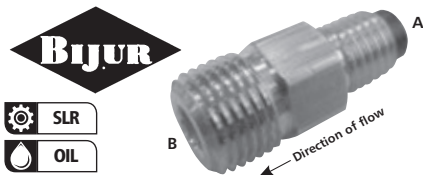


Bearing Mounted for 4mm Tubing

Product Code	Description	Connection A	Connection B
53457	IB20	5/16" UNF	1/8" BSP
53458	IB21	5/16" UNF	1/8" BSP
60571	IB22	5/16" UNF	1/8" BSP
60572	IB23	5/16" UNF	1/8" BSP
60573	IB24	5/16" UNF	1/8" BSP
60574	IB25	5/16" UNF	1/8" BSP
60575	IB26	5/16" UNF	1/8" BSP
60576	IB27	5/16" UNF	1/8" BSP
60577	IB28	5/16" UNF	1/8" BSP
60578	IB29	5/16" UNF	1/8" BSP

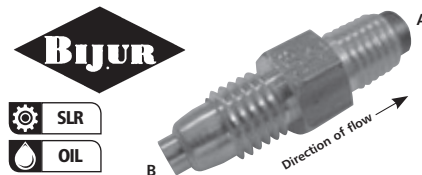
CONTROL UNITS

Control Units: C Type (Continuous)



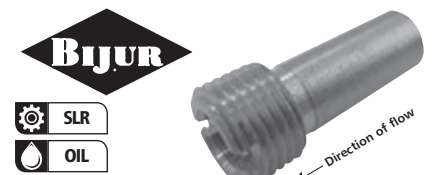
Bearing Mounted for 4mm (5/32") Tubing

Product Code	Description	Connection A	Connection B
B7022	CSA-5/0	1/8" NPT	1/8" NPT
B7023	CSA-4/0	1/8" NPT	1/8" NPT
B7024	CSA-3/0	1/8" NPT	1/8" NPT
B7025	CSA-00	1/8" NPT	1/8" NPT
B7026	CSA-0	1/8" NPT	1/8" NPT
B7027	CSA-1	1/8" NPT	1/8" NPT
B6757	CSA-2	1/8" NPT	1/8" NPT
B6758	CSA-3	1/8" NPT	1/8" NPT
B6759	CSA-4	1/8" NPT	1/8" NPT
B6760	CSA-5	1/8" NPT	1/8" NPT



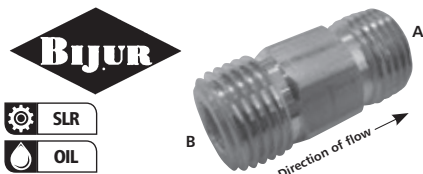
Manifold Mounted for 4mm (5/32") Tubing

Product Code	Description	Connection A	Connection B
B7034	CJB-5/0	5/16" UNF	5/16" UNF
B7035	CJB-4/0	5/16" UNF	5/16" UNF
B7036	CJB-3/0	5/16" UNF	5/16" UNF
B7037	CJB-00	5/16" UNF	5/16" UNF
B7038	CJB-0	5/16" UNF	5/16" UNF
B7039	CJB-1	5/16" UNF	5/16" UNF
B6817	CJB-2	5/16" UNF	5/16" UNF
B6818	CJB-3	5/16" UNF	5/16" UNF
B6819	CJB-4	5/16" UNF	5/16" UNF
B6820	CJB-5	5/16" UNF	5/16" UNF



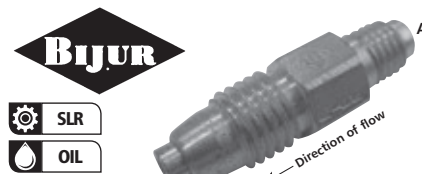
Insert Type for 4mm (5/32") Tubing

Product Code	Description	Connection
B7122	CKA-5/0	1/8" NPT
B7123	CKA-4/0	1/8" NPT
B7124	CKA-3/0	1/8" NPT
B7125	CKA-00	1/8" NPT
B7126	CKA-0	1/8" NPT
B7127	CKA-1	1/8" NPT
B7128	CKA-2	1/8" NPT
B7129	CKA-3	1/8" NPT
B7130	CKA-4	1/8" NPT
B7131	CKA-5	1/8" NPT



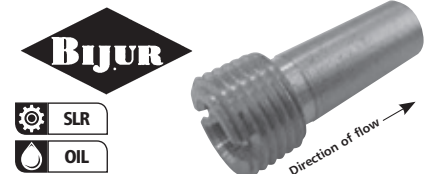
Junction Headers for 4mm (5/32") Tubing

Product Code	Description	Connection A	Connection B
B7028	CT-5/0	1/8" NPT	1/8" NPT
B7029	CT-4/0	1/8" NPT	1/8" NPT
B7030	CT-3/0	1/8" NPT	1/8" NPT
B7031	CT-00	1/8" NPT	1/8" NPT
B7032	CT-0	1/8" NPT	1/8" NPT
B7033	CT-1	1/8" NPT	1/8" NPT
B6764	CT-2	1/8" NPT	1/8" NPT
B6765	CT-3	1/8" NPT	1/8" NPT
B6766	CT-4	1/8" NPT	1/8" NPT
B6767	CT-5	1/8" NPT	1/8" NPT



Manifold Mounted for (3/32") tubing

Product Code	Description	Connection A	Connection B
B7164	CJD-5/0	1/4" UNF	5/16" UNF
B7165	CJD-4/0	1/4" UNF	5/16" UNF
B7166	CJD-3/0	1/4" UNF	5/16" UNF
B7167	CJD-00	1/4" UNF	5/16" UNF
B7168	CJD-0	1/4" UNF	5/16" UNF
B7169	CJD-1	1/4" UNF	5/16" UNF
B7170	CJD-2	1/4" UNF	5/16" UNF
B7171	CJD-3	1/4" UNF	5/16" UNF
B7172	CJD-4	1/4" UNF	5/16" UNF
B7173	CJD-5	1/4" UNF	5/16" UNF



Insert Type for 4mm (5/32") Tubing

Product Code	Description	Connection
B7134	CKB-4/0	1/8" NPT
B7135	CKB-3/0	1/8" NPT
B7136	CKB-00	1/8" NPT
B7137	CKB-0	1/8" NPT
B7138	CKB-1	1/8" NPT
B7139	CKB-2	1/8" NPT
B7140	CKB-4	1/8" NPT
B7141	CKB-5	1/8" NPT

METERING INJECTORS

Positive Displacement Units

INTERLUBE



- For use with 4mm tubing
- Material: brass



Manifold Type – Compression

Product Code	Description	Connection
PD3003	PDU .03CC	5/16" UNF
PD3006	PDU .06CC	5/16" UNF
PD3010	PDU .10CC	5/16" UNF
PD3016	PDU .16CC	5/16" UNF
PD3025	PDU .25CC	5/16" UNF
PD3040	PDU .40CC	5/16" UNF
PD3060	PDU .60CC	5/16" UNF

Bearing Type – Compression

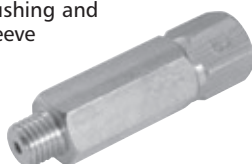
Product Code	Description	Connection
PD3103	PDU .03CC	1/8" BSP
PD3106	PDU .06CC	1/8" BSP
PD3110	PDU .10CC	1/8" BSP
PD3116	PDU .16CC	1/8" BSP
PD3125	PDU .25CC	1/8" BSP
PD3140	PDU .40CC	1/8" BSP
PD3160	PDU .60CC	1/8" BSP

Manifold Type – Compression

Product Code	Description	Connection
PD3403	PDU .03CC	M8 x 1
PD3406	PDU .06CC	M8 x 1
PD3410	PDU .10CC	M8 x 1
PD3416	PDU .16CC	M8 x 1
PD3425	PDU .25CC	M8 x 1
PD3440	PDU .40CC	M8 x 1
PD3460	PDU .60CC	M8 x 1

Metering Valves

- M8 x 1(f) outlet for 4mm OD compression bushing and compression sleeve
- M8x1 (m) inlet.



PVO Positive Displacement Injectors

Product Code	Description	Discharge (cc)
PVO-3	PVO-3	0.03cc
PVO-5	PVO-5	0.05cc
PVO-10	PVO-10	0.10cc
PVO-20	PVO-20	0.20cc
PVO-30	PVO-30	0.30cc
PVO-50	PVO-50	0.50cc

Junction Mounting, Positive Displacement Injector, Oil



Specifications:

- Oil Viscosity: 100-6500 SSu (20-1500 cSt) at operating temperature
- Mounting: mounted in junction
- Discharge: preset (non-adjustable) in seven various rates
- Outlet Connection: For 4mm (5/32") Tubing
- Seals: Viton

The lubricating pump in a PDI oil system must build up line pressure to 200 psi (14 bar) minimum to actuate injector discharge. A pressure relief device must be used in the system to permit pressure to drop quickly to approximately 5-10 psi (0.3-0.7 bar) between lubrication cycles to allow injectors to fully reset, ready for next lubrication cycle.

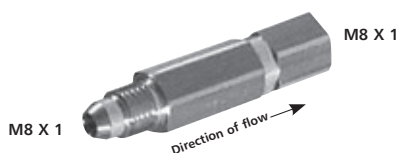
NEW

- Operating pressure: 500 psi (34 bar) maximum 200 psi (14 bar) minimum
- Relieving pressure: 10 psi (0.7 bar) maximum
- Leaktight junction connection: 4.5 newton-meter (40 pound inch maximum)



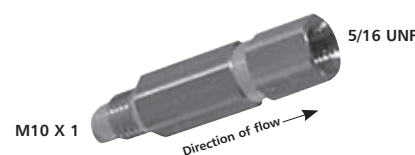
ZJBE Injector

Product Code	Discharge (cc)	Part #
ZJBE-01	0.01cc	18300-01
ZJBE-025	0.025cc	18300-025
ZJBE-06	0.06cc	18300-06
ZJBE-10	0.10cc	18300-10
ZJBE-20	0.20cc	18300-20
ZJBE-30	0.30cc	18300-30
ZJBE-30	0.40cc	18300-40



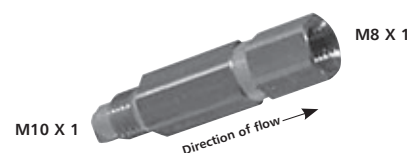
ZJBM Injector

Product Code	Discharge (cc)	Part #
ZJBM-01	0.01cc	18310-01
ZJBM-025	0.025cc	18310-025
ZJBM-06	0.06cc	18310-06
ZJBM-10	0.10cc	18310-10
ZJBM-20	0.20cc	18310-20
ZJBM-30	0.30cc	18310-30
ZJBM-30	0.40cc	18310-40



ZMBE Injector

Product Code	Discharge (cc)	Part #
ZMBE-01	0.01cc	18301-01
ZMBE-025	0.025cc	18301-025
ZMBE-06	0.06cc	18301-06
ZMBE-10	0.10cc	18301-10
ZMBE-20	0.20cc	18301-20
ZMBE-30	0.30cc	18301-30
ZMBE-40	0.40cc	18301-40



ZMBM Injector

Product Code	Discharge (cc)	Part #
ZMBM-01	0.01cc	18311-01
ZMBM-025	0.025cc	18311-025
ZMBM-06	0.06cc	18311-06
ZMBM-10	0.10cc	18311-10
ZMBM-20	0.20cc	18311-20
ZMBM-30	0.30cc	18311-30
ZMBM-40	0.40cc	18311-40

FOR MANIFOLDS, SEE SECTION 5



Positive Displacement Manifold Injectors

- Handles oil and soft greases
- Quickly replace injector endcaps within a manifold to change discharge settings
- Flexible design allows you to choose from five output volumes for each outlet
- Five output volumes for diverse application types and points
- Can be used in the same system with other ZEM Series injectors
- Optional push-in connect fittings help lower installation labour costs



Specifications:

- Lubricants: oil viscosity range: 20 to 1500 cSt at operating temperature
Soft greases: NLGI 000, NLGI 00
- Pressure:
Operating max: 45 bar (650 psi)
Operating min: 15 bar (220 psi)
Relieving: 0.7 bar (11 psi)
Seals: Viton
Outputs (cc): 0.01, 0.03, 0.06, 0.1, 0.16
- Dimensions:
ZEM 34 Series injectors are available in two, three and five outlet sets and a selection of five discharge volumes. Injector assemblies are available for use with either compression or push-in connect fittings

How to Order

Example: to order a three outlet, 34 Series injector, with push-in connect fittings, where the discharge volume is 0.03cc at each outlet, you would use part number ZEM343PBBB

ZEM Series 34, Inlet M10x1

Product Code	ZEM34							
No. of outlets:	<input type="text" value="2"/>	2						
	<input type="text" value="3"/>	3						
	<input type="text" value="5"/>	5						
Outlet type (4mm OD):	<input type="text" value="C"/>	Compression M8 x 1						
	<input type="text" value="P"/>	Push-in						
Discharge volume:	<input type="text" value="A"/>	0.01cc						
	<input type="text" value="B"/>	0.03cc						
	<input type="text" value="C"/>	0.06cc						
	<input type="text" value="D"/>	0.1cc						
	<input type="text" value="E"/>	0.16cc						

The ZEM Series injector system is a positive displacement injector (PDI) that delivers precise and controlled lubrication outputs that meet exact requirements for diverse applications. It is a pre-fixed volumetric injector that helps ensure each lubrication point receives the proper amount of lubricant. Which means you won't have to worry about over- or under-lubrication.

Principle of Operation:

ZEM Series injectors are classic PDIs. Reliable. Accurate. As pressure builds in the manifold, the piston in the injector moves forward, discharging a set amount of lubricant to the application point. As the pressure is relieved, a compression spring



Specifications:

- Lubricants: oil viscosity range: 20 to 1500 cSt at operating temperature
Soft greases: NLGI 000, NLGI 00
- Pressure:
Operating max: 45 bar (650 psi)
Operating min: 15 bar (220 psi)
Relieving: 0.7 bar (11 psi)
Seals: Viton
Outputs (cc): 0.1, 0.2, 0.4, 0.6
- Dimensions:
ZEM 35 Series injectors are available in one, two, three and five outlet sets and a selection of four discharge volumes. Injector assemblies are available for use with either compression or push-in connect fittings

How to Order

Example: to order a three outlet, 35 Series injector, with push-in connect fittings, where the discharge volume is 0.1cc at each outlet, you would use part number ZEM353PDDD

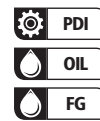
ZEM Series 35, Inlet M12x1

Product Code	ZEM35							
No. of outlets:	<input type="text" value="2"/>	1						
	<input type="text" value="3"/>	2						
	<input type="text" value="5"/>	3						
	<input type="text" value="5"/>	5						
Outlet type (4mm OD):	<input type="text" value="C"/>	Compression M8 x 1						
	<input type="text" value="P"/>	Push-in						
Discharge volume:	<input type="text" value="D"/>	0.1cc						
	<input type="text" value="F"/>	0.2cc						
	<input type="text" value="G"/>	0.4cc						
	<input type="text" value="H"/>	0.6cc						

returns the piston to its original position. This movement recharges the injector with more lubricant. The injector is now ready to be fired again.

System Requirements:

It is important to note that the lubricating pump used in the ZEM Series injector system must build pressure to 15 bar (220 psi) at the injectors in order to actuate injector discharge. The recommended operating pressure is 21 bar (300 psi). Also, a pressure relief valve must be used in the system to quickly drop the line pressure to the 0.3 to 0.7 bar (5 to 11 psi) range between lubrication cycles. This allows the injectors to be fully recharged.



Specifications:

- Lubricants: oil viscosity range: 20 to 1500 cSt at operating temperature
Soft greases: NLGI 000, NLGI 00
- Pressure:
Operating max: 45 bar (650 psi)
Operating min: 15 bar (220 psi)
Relieving: 0.7 bar (11 psi)
Seals: Viton
Outputs (cc): 0.2, 0.4, 0.6, 1.0, 1.5
- Dimensions:
ZEM 39 Series injectors are available in one, two and three outlet sets and a selection of five discharge volumes. Injector assemblies are available for use with either compression or push-in connect fittings

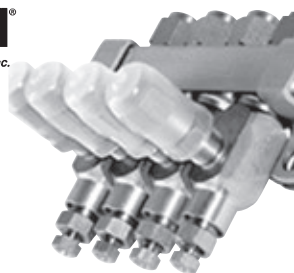
How to Order

Example: to order a three outlet, 39 Series injector, with push-in connect fittings, where the discharge volume is 0.6cc at each outlet, you would use part number ZEM393PHHH

ZEM Series 39, Inlet M12x1

Product Code	ZEM39							
No. of outlets:	<input type="text" value="1"/>	1						
	<input type="text" value="2"/>	2						
	<input type="text" value="3"/>	3						
Outlet type (4mm OD):	<input type="text" value="C"/>	Compression M8 x 1						
	<input type="text" value="P"/>	Push-in						
Discharge volume:	<input type="text" value="F"/>	0.2cc						
	<input type="text" value="G"/>	0.4cc						
	<input type="text" value="H"/>	0.6cc						
	<input type="text" value="I"/>	1.0cc						
	<input type="text" value="J"/>	1.5cc						

FL30 Grease Injectors

Farval®
 Lubrication Systems, Inc.


FL32-33 type injectors are positive displacement type.

Discharge of each injector is adjustable yet delivers a precise amount of lubricant. A visual indicator pin built into each injector makes it easy to confirm a successful discharge at any lubrication point.

- Discharge:
From 0.016 to 0.131cm³ / cycle (FL32)
From 0.016 to 0.049cm³ / cycle (FL33)
- Number of outlets: 1 to 6
- Working Pressure:
82 bar min, 230 bar max
- Maximum vent (recharge) pressure:
14 bar
- Working temperature: 5 to 175°C
- Lubricants to be used: grease NLGI 2 max
- Materials: galvanised carbon steel and Viton seals

Type FL32

Product Code	Number of Outlets
27163	1*
271631	1
271632	2
271633	3
271634	4

Type FL33

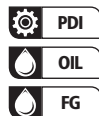
Product Code	Number of Outlets
27164	1*
271641	1
271642	2
271643	3
271644	4
271645	5
271646	6

Replacement Injectors

Product Code	To Suit
27163R	Type FL32
27164R	Type FL33

*Single direct mount.

FL1 Volumetric Injectors

Farval®
 Lubrication Systems, Inc.


FL1 type injectors are positive displacement type.

They have adjustable outputs and a visual indicator pin. Can supply one lubrication point or several with a progressive divider.

- Discharge:
Adjustable from 0.13 to 1.6cm³
From 0.016 to 0.049cm³ / cycle (FL33)
- Working pressure:
125 bar min (1850 psi)
248 bar max (3500 psi)
170 bar (2500 psi) recommended
- Maximum vent (recharge) pressure:
14 bar (600 psi)
- Working temperature: -10°C to +175°C
- Lubricants to be used: oil with a viscosity of 220 Cst Mini to semi-fluid grease NLGI 000
- Life: 100,000 working cycles

Type FL1

Product Code	Number of Outlets
FL1-1	1
FL1-2	2
FL1-3	3
FL1-4	4
FL1-5	5
FL1-6	6
FL1-8	8

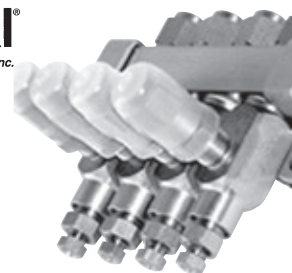
Single Injector

Product Code	Description
13844	With 3/8" NPT Male Adaptor

Replacement Injector

Product Code	To Suit
13843	Existing Manifold

FL40 Oil Injectors

Farval®
 Lubrication Systems, Inc.


FL42-43 type injectors are positive displacement type.

Discharge of each injector is adjustable yet delivers a precise amount of lubricant. A visual indicator pin built into each injector makes it easy to confirm a successful discharge at any lubrication point.

- Discharge:
From 0.016 to 0.131cm³ / cycle (FL43)
From 0.016 to 0.049cm³ / cycle (FL42)
- Number of outlets: 1 to 15
- Working pressure:
50 bar min, 68 bar max
- Maximum vent (recharge) pressure:
10 bar
- Working temperature: 5 to 175°C
- Lubricants to be used: mineral oil with viscosities from 30 to 500 cSt
- Materials: galvanised carbon steel and Viton seals

Type FL42

Product Code	Number of Outlets
27165	1*
271651	1
271652	2
271653	3
271654	4
271655	5
271656	6
2716510	10
2716515	15

Type FL43

Product Code	Number of Outlets
27166	1*
271661	1
271662	2
271663	3
271664	4

Replacement Injectors

Product Code	To Suit
27165R	Type FL42
27166R	Type FL43

*Single direct mount.

FOR TUBING, SEE SECTION 9


Single Line Parallel



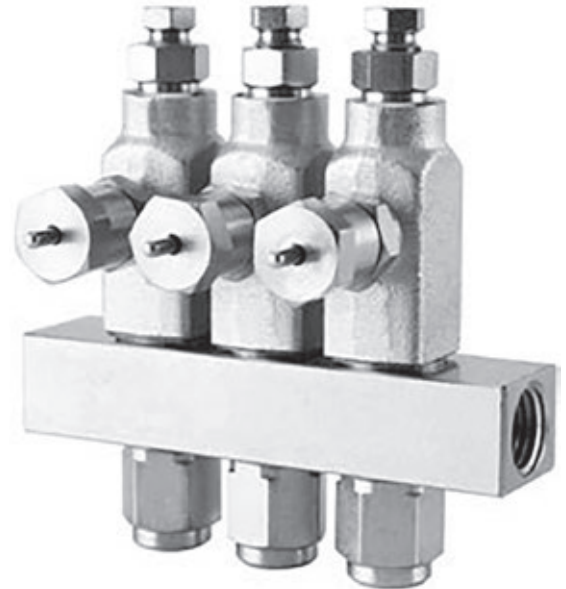
- Accurate, reliable and adjustable lubrication for each lube point. Systems are easy to design, fast to set up and allow you to add or subtract lube points without having to redesign your lubrication system
- Versatile high performance, works with oil and grease grades to NLGI #2
- All injectors come standard with fluoroelastomer seals for use with synthetic lubricants and high temperature applications up to 350° F (176° C)
- Typical applications: in plant machinery, mobile equipment and anywhere adjustable lubrication output is desired
- Typical fluids handled: oil (10 weight minimum) and grease up to NLGI #2

Specifications:**Grease:**

- Maximum operating pressure: 3,500 psi (241 bar)
- Minimum operating pressure: 1,200 psi (83 bar)
- Typical operating pressure: 1,500 psi (103 bar)
- Reset pressure: 200 psi (13.7 bar)
- Output volume per cycle (adjustable): 0.001-0.008 in³ (0.02-0.13 cm³)
- Maximum temperature rating: 350°f (176°c)
- Cycle indication: visual pin

Oil:

- Maximum operating pressure: 1,000 psi (69 bar)
- Minimum operating pressure: 750 psi (52 bar)
- Typical operating pressure: 850 psi (59 bar)
- Reset pressure: 150 psi (10 bar)
- Output volume per cycle (adjustable): 0.001-0.008 in³ (0.02-0.13 cm³)
- Maximum temperature rating: 350°f (176°c)
- Cycle indication: visual pin



24A923

NEW**GL-32 Carbon Steel Grease**

Product Code	Description
24A920	Replacement Injector
24A921	1-Injector Manifold
24A922	2-Injector Manifold
24A923	3-Injector Manifold
24A924	4-Injector Manifold
24A919	Stand-alone Injector
24B360	Repair Kit
24B677	Injector Outlet Replacement Kit (Nut, Ferrule & Adaptor)

GL-32 304 Stainless Steel Grease

Product Code	Description
24E390	Replacement Injector
24E391	1-Injector Manifold
24E392	2-Injector Manifold
24E393	3-Injector Manifold
24E394	4-Injector Manifold
24E389	Stand-alone Injector
24F944	Repair Kit
24F943	Injector Outlet Replacement Kit (Nut, Ferrule & Adaptor)

GL-43 Carbon Steel Oil

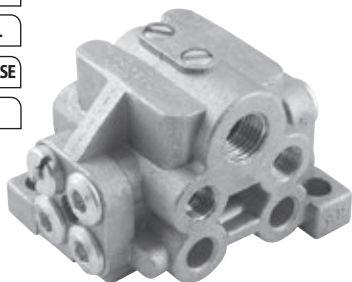
Product Code	Description
24E245	Replacement Injector
24E241	1-Injector Manifold
24E242	2-Injector Manifold
24E243	3-Injector Manifold
24E244	4-Injector Manifold
24E240	Stand-alone Injector
24F201	Repair Kit
24B667	Injector Outlet Replacement Kit (Nut, Ferrule & Adaptor)

FOR COMPRESSION FITTINGS, SEE SECTION 9

PROGRESSIVE DISTRIBUTORS

ARU Series Grease Distributors

Type	4R	6R	8R	12R
Discharge point(N1)	4 Hole	6 Hole	8 Hole	12 Hole
Discharge volume	0.3cc/st			
Lowest operating pressure	15kgf/cm ³			
Highest operating pressure	150kgf/cm ³			
In-let	BSP 1/4"		BSP 1/8"	
Out-let	BSP 1/8"			



Technical data sheet available on request.

With Visual Indicator Pin

Product Code	Description
ARU-4R	4 Way Progressive Distributor
ARU-6R	6 Way Progressive Distributor
ARU-8R	8 Way Progressive Distributor
ARU-10R	10 Way Progressive Distributor
ARU-12R	12 Way Progressive Distributor

With Microswitch

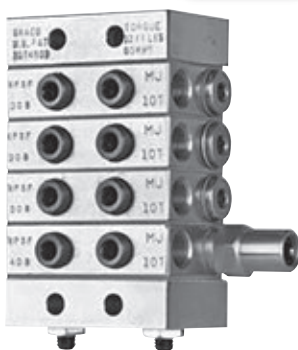
Product Code	Description
ARU-4M	4 Way Progressive Distributor
ARU-6M	6 Way Progressive Distributor
ARU-8M	8 Way Progressive Distributor
ARU-10M	10 Way Progressive Distributor
ARU-12M	12 Way Progressive Distributor



Cross-porting Banjo

Product Code	Description
AU-16	Cross-porting Banjo (Vertical)
AU-26	Cross-porting Banjo (Horizontal)

Series Progressive Trabon® MJ Divider Valve



The Trabon MJ Series features a compact and easily customizable design that can be tailored to meet a variety of specific lube requirements. Capable of handling grease grades up to NLGI #1.

- Space efficient, from 6 to 16 points from one block assembly
- Built-in outlet check valves ensure accurate lube delivery, every time
- Alternate outlet on face of valves can be fitted with optional performance indicators, taking the guesswork out of troubleshooting
- Can be easily accessorized with magnetic and electronic proximity switch cycle indicators to provide positive assurance of a successful lube event
- Typical applications: machine tools, textile, glass and can machinery, and mobile equipment
- Typical fluids handled: oil or grease up to NLGI #1

Specifications:

- Material: plated steel
- Maximum pressure: 2,000 psi (137.89 bar)
- Max operating temperature: 200°F (93°C)
- Max cycle rate with cycle pin: 60 cycles/minute

	Output Twin Outlet in ³ (cm ³)	Output Single Outlet in ³ (cm ³)	Cycle Indication
MJ5	0.005 (0.08)	0.010 (0.16)	Not available
MJ10	0.010 (0.16)	0.020 (0.33)	Cycle indicator switch
MJ15	0.015 (0.26)	0.030 (0.49)	

Accessories

Product Code	Description
563948	Cycle Indicator Repair Kit
557514	Replacement Gasket
562915	Singling Bars
562914	Crossporting Bars

Assembly Ordering Instructions

To define the exact assembly characteristics use the following codes:

Product Code MJ

Manifold options:

P Installation of performance indicators in all working outlets

Number of sections:

3 Three _____

4 Four _____

5 Five _____

6 Six _____

7 Seven _____

8 Eight _____

Section capacity:

05 .005 cu. in. (see note 8) _____

10 .010 cu. in. _____

15 .015 cu. in. _____

Type of valve block:

T Twin standard _____

S Single standard, right hand outlet _____

L Single standard, left hand outlet _____

B Twin w/cycle pin, right side _____

C Single w/cycle pin, right side, RH outlet _____

D Single w/cycle pin, right side, LH outlet _____

E Twin w/cycle pin, left side _____

F Single w/cycle pin, left side, RH outlet _____

G Single w/cycle pin, left side, LH outlet _____

Crossporting option*:

CR Right hand side _____

CB Both sides _____

CL Left hand side _____

*Omit when not required.

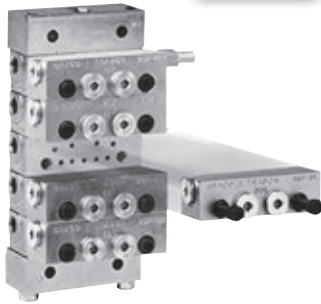
Notes:

1. Capacity sections are specified starting from inlet section and must equal number of sections specified.
2. When a capacity section is crossported, its outlet is plugged and output is diverted to the next valve farthest from inlet.
3. Last capacity section, farthest from the inlet, cannot be crossported.
4. Singled capacity sections can be crossported on one side only.
5. When capacity section is singled, the outlet not being used is plugged.
6. Internal crossporting can be supplied on a capacity section only when supplied on a manifold assembly (if supplied as a loose unit, it can be field drilled only).
7. External singling and crossporting bars are available for field installation.
8. Cycle indicator pin is not available on .005 capacity section.
9. Indicate crossport option after capacity section if required, omit if not required.
10. Divider systems should be limited to first and second stages only. Third staging is not recommended. Call Sales for further information on system design.

Series Progressive Trabon® MSP Divider Valve



NEW



The Trabon MSP Series sets the industry standard for quality, reliability, and ease of use features. It was the original modular-style series progressive divider valve and is still the best!

- Quick change valve sections can be removed from the base assembly without disturbing any lube lines, minimizing labour cost and maximizing your machine uptime
- Accessories such as magnetic and electronic proximity switch cycle indicators provide positive assurance of a successful lube event
- Alternate outlet on face of valves can be fitted with optional performance indicators, taking the guesswork out of troubleshooting
- Built-in outlet check valves ensure accurate lube delivery, every time
- Typical applications: mobile, industrial, food and beverage, wind, and many more
- Typical fluids handled: oil or grease up to NLGI #2

Specifications:

- Material: plated steel
- Maximum pressure: 3,500 psi (241 bar)
- Max operating temperature: 350°F (176°C)
- Max cycle rate with cycle pin: 60 cycles/minute
- Max cycle rate without cycle pin: 200 cycles/minute

	Output Twin Outlet in ³ (cm ³)	Output Single Outlet in ³ (cm ³)	Cycle Indication
MSP5	0.005 (0.08)	0.010 (0.16)	Electronic proximity switch, magnetic visual indicator
MSP10	0.010 (0.16)	0.020 (0.33)	
MSP15	0.015 (0.26)	0.030 (0.49)	
MSP20	0.020 (0.33)	0.040 (0.66)	Electronic proximity switch, magnetic visual indicator, cycle indicator switch
MSP25	0.025 (0.41)	0.050 (0.82)	
MSP30	0.030 (0.49)	0.060 (0.98)	
MSP35	0.035 (0.57)	0.070 (1.15)	
MSP40	0.040 (0.66)	0.080 (1.31)	

Assembly Ordering Instructions

To define the exact assembly characteristics use the following codes:

Product Code**Series of feeder:**

- MSP** Standard: industrial to 3,500 psi (24,100 kPa)
- MSV** Synthetic: industrial to 3,500 psi (24,100 kPa) (Viton seals)

Inlet/outlet port types:

- SAE** Straight thread, o-ring seal
- NPT** NPSF pipe thread
- BSP** British parallel pipe, o-ring seal (ISO 1179)
- MET** Metric thread, o-ring seal (ISO 6149)

Inlet section options:

- MS** MS divider inlet
- MH** Divider inlet with bleed screws
- SH** MS divider with shunt/shut-off (115V AC)
- SD** MS divider with shunt/shut-off (24V DC)
- ZL** Zero leak shut-off (115V AC)
- ZF** Zero leak shut-off (24V DC)

Divider valve accessory options (1):

- P** Assembly of performance indicators in all working outlets (2)
- B** Assembly of performance indicators and check valves in all working outlets (2)
- C** External check valves in all working outlets
- E** SPP end section with plug in 1/8-27 NPSF port for manual lube fitting (P/N 510-770-332)

Crossporting option (1):

- CR** Right hand side
- CL** Left hand side
- CB** Both sides

Type of valve block:

- T** Twin valve
- S** Single valve, RH outlet
- L** Single valve, LH outlet
- B** Twin valve with cycle pin, right
- C** Single valve with cycle pin, right, RH outlet
- D** Single valve with cycle pin, right, LH outlet
- H** Twin valve with cycle pin left
- J** Single valve with cycle pin, right, RH outlet
- K** Single valve with cycle pin, right, LH outlet

Valve capacity ms valve block:

- BP** Bypass
- 05** .005 cu. in. (.082cm³)
- 10** .010 cu. in. (.164cm³)
- 15** .015 cu. in. (.246cm³)
- 20** .020 cu. in. (.328cm³)
- 25** .025 cu. in. (.410cm³)
- 30** .030 cu. in. (.492cm³)
- 35** .035 cu. in. (.574cm³)
- 40** .040 cu. in. (.656cm³)

Number of sections:

- 3** Three
- 4** Four
- 5** Five
- 6** Six
- 7** Seven
- 8** Eight

- (1) Omit when not required.
(2) Specify part number, or type and pressure rating to be supplied.

Notes:

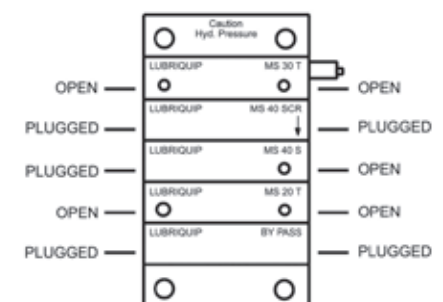
1. Right/left hand determined when viewing front of divider valve assembly. (Divider valve assembly placed on flat surface with inlet at top.)
2. Valves are specified starting from inlet section.
3. When valve is crossported, its outlet is plugged and output is diverted to next valve away from inlet.
4. Last valve in divider assembly, farthest from inlet, cannot be crossported.
5. Single valve can be crossported on one side only.
6. When valve is a single, only one outlet in its subplate can be used, other outlet must be plugged.
7. Cycle pins are available on MS (20, 25, 30, 35, and 40) valves only.
8. All divider valve assemblies must have a minimum of 3 working valves.
9. Bypass block cannot be supplied on divider valve with 3 subplates. Bypass block is not a working valve.
10. Divider systems should be limited to first and second stages only. Third staging is not recommended. Call Sales for further information on system design.

How to Order

Example: 5 section MSP divider valve assembly, standard seals, SAE ports and performance indicators in each working outlet. Consisting of:

- 1 x .030 twin valve with cycle pin right side
 - 1 x .040 single valve, crossport right side
 - 1 x .040 single valve, right hand outlet
 - 1 x .020 twin valve
- Bypass block

Ordering code: **MSP-SAE-MS-P-5-30B-40SCR-40S-20T-BP**



Series Progressive Trabon® MX Divider Valve



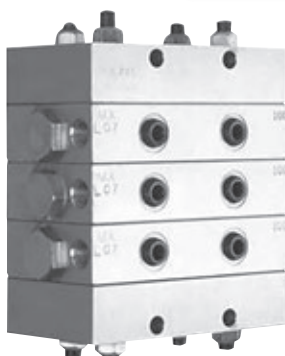
PROG

OIL

GREASE

FG

NEW



Greater output volumes for heavy service requirements make the Trabon MX Series ideal for steel and paper mill systems with its economical and compact design.

- Durable design withstands harsh environments and operating conditions
- Built-in outlet check valves ensure accurate lube delivery every time
- Can be easily accessorized with magnetic and electronic proximity switch cycle indicators to provide positive assurance of a successful lube event
- Alternate outlet on face of valves can be fitted with optional performance indicators, taking the guesswork out of troubleshooting
- Typical applications: pulp and paper, steel mills, heavy and high volume industrial applications
- Typical fluids handled: oil or grease up to NLGI #2

Specifications:

- Material: plated steel
- Maximum pressure: 3,000 psi (207 bar)
- Max operating temperature: 200°F (93°C)
- Max cycle rate with cycle pin: 60 cycles/minute
- Max cycle rate without cycle pin: 200 cycles/minute

	Output Twin Outlet in ³ (cm ³)	Output Single Outlet in ³ (cm ³)	Cycle Indication
MX-25	0.025 (0.41)	0.050 (0.82)	Electronic proximity switch
MX-50	0.050 (0.82)	0.100 (1.64)	Electronic proximity switch, magnetic visual indicator, cycle indicator switch
MX-75	0.075 (1.23)	0.150 (2.46)	
MX-100	0.100 (1.64)	0.200 (3.28)	
MX-125	0.125 (2.05)	0.250 (4.10)	
MX-150	0.150 (2.46)	0.300 (4.92)	

Assembly Ordering Instructions

To define the exact assembly characteristics use the following codes:

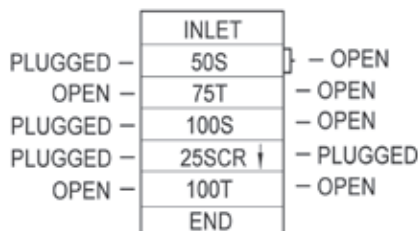
Product Code	MX						
Manifold options:						Crossporting option (1):	
<input type="checkbox"/> P	Installation of performance indicators in all working outlets (Optional)					<input type="checkbox"/> CR	Right hand side
						<input type="checkbox"/> CL	Left hand side
						<input type="checkbox"/> CB	Both sides
Number of sections:						Type of valve block:	
<input type="checkbox"/> 3	Three					<input type="checkbox"/> T	Twin
<input type="checkbox"/> 4	Four					<input type="checkbox"/> S	Single, RH outlet
<input type="checkbox"/> 5	Five					<input type="checkbox"/> L	Single, LH outlet
<input type="checkbox"/> 6	Six					<input type="checkbox"/> B	Twin w/cycle pin, right side
<input type="checkbox"/> 7	Seven					<input type="checkbox"/> C	Single w/cycle pin, right side, RH outlet
<input type="checkbox"/> 8	Eight					<input type="checkbox"/> D	Single w/cycle pin, right side, LH outlet
<input type="checkbox"/> 9	Nine					<input type="checkbox"/> H	Twin w/cycle pin, left side
<input type="checkbox"/> 10	Ten					<input type="checkbox"/> J	Single w/cycle pin, left side, RH outlet
Valve capacity:						<input type="checkbox"/> K	Single w/cycle pin, left side, LH outlet
<input type="checkbox"/> 25	.025 cu. in. (see note 8)						
<input type="checkbox"/> 50	.050 cu. in.						
<input type="checkbox"/> 75	.075 cu. in.						
<input type="checkbox"/> 100	.100 cu. in.						
<input type="checkbox"/> 125	.125 cu. in.						
<input type="checkbox"/> 150	.150 cu. in.						

Notes:

(1) Omit when not required.

Example: divider assembly sketch

Ordering code: MX-5-50C-75T-100S-25SCR-100T divider with indicator

**Notes:**

1. Capacity sections are specified starting from inlet section and must equal number of sections specified.
2. When a capacity section is crossported, its outlet is plugged and output is diverted to the next section, farthest from the inlet.
3. Last capacity section, farthest from the inlet, cannot be crossported.
4. Singled capacity sections can be crossported on one side only.
5. When capacity section is singled, the outlet not being used is plugged.
6. Internal crossporting can be supplied on a capacity section only when supplied on a manifold assembly (if supplied as a loose unit, it can be field drilled only).
7. External singling and crossporting bars are available for field installation.
8. Cycle indicator pin and proximity switch are not available on 0.025 capacity section.
9. Indicate crossport option after capacity section if required, omit if not required.
10. Divider systems should be limited to first and second stages only. Third staging is not recommended.
11. Information on MHH and MXP modular design available on request.

Accessories

Product Code	Description
563272	Cycle Switch (SPDT) & Bracket For use with MJ/MSP/MX
564357	Cycle Switch (DPDT) & Bracket For use with MJ/MSP/MX
562916	Singling Bar
562917	Crossporting Bar

FOR LUBRICATION PUMPS, SEE SECTION 3



ACCESSORIES FOR MJ/MSP & MX DIVIDER VALVES

Reset Indicator


NEW


- Simple point troubleshooting with visual indication
- Provides quick troubleshooting tool with visual indication
- No tools for reset or parts to replace after indication
- Easy information on blocked lines, high system pressure or blocked bearings

Reset w/Memory psi (bar)	250 (17)	500 (35)	750 (52)	1000 (69)	1500 (103)	2000 (138)	2500 (172)
MJ	✓	✓	✓	✓	✓	✓	
MSP	✓	✓	✓	✓	✓	✓	✓
MXP	✓	✓	✓	✓	✓	✓	✓
MX	✓	✓	✓	✓	✓	✓	✓
MGO					✓		

Divider Valve Reset Indicator w/Memory for MJ, MSP, MHH & MXP

Product Code	Description
563231	250 psi (17 bar)
563232	500 psi (35 bar)
563233	750 psi (52 bar)
563234	1,000 psi (69 bar)
563235	1,500 psi (103 bar)
563236	2,000 psi (138 bar)
563237	2,500 psi (172 bar)
563238	3,500 psi (241 bar)

Divider Valve Reset Indicator w/Memory & O-Ring Seal for MX

Product Code	Description
563239	250 psi (17 bar)
563240	500 psi (35 bar)
563241	750 psi (52 bar)
563242	1,000 psi (69 bar)
563243	1,500 psi (103 bar)
563244	2,000 psi (138 bar)
563245	2,500 psi (172 bar)

Divider Valve Reset Indicators w/Memory & O-Ring Seal for MSP, MHH & MXP

Product Code	Description
563252	250 psi (17 bar)
563253	500 psi (35 bar)
563254	750 psi (52 bar)
563255	1,000 psi (69 bar)
563256	1,500 psi (103 bar)
563257	2,000 psi (138 bar)
563258	2,500 psi (172 bar)
563261	3,000 psi (207 bar)
563262	5,000 psi (345 bar)
563263	3,500 psi (241 bar)

Divider Valve Reset Indicators w/Memory & O-Ring Seal for MGO

Product Code	Description
564200	1,500 psi (103 bar)

Rupture to Atmosphere Indicator


NEW


- Blockages are easy to detect with the simple Rupture to Atmosphere indicator
- Used in conjunction with system pressure switch, can warn of a fault while allowing lube system to continue to deliver to critical bearings
- Requires replacement of the rupture disc to restart the lube system
- Easy information on blocked lines, high system pressure or blocked bearings

Rupture to Atmosphere Indicators for MJ, MSP, MHH & MXP

Product Code	Description
564059	1,750 psi (121 bar), 1/8"-27" (.3175cm-68.6cm) NPT(f)
563191	2,350 psi (162 bar), 1/8"-27" (.3175cm-68.6cm) NPT(f)
563192	2,950 psi (203 bar), 1/8"-27" (.3175cm-68.6cm) NPT(f)
563193	3,250 psi (224 bar), 1/8"-27" (.3175cm-68.6cm) NPT(f)
563194	5,000 psi (345 bar), 1/8"-27" (.3175cm-68.6cm) NPT(f)
563218	6,400 psi (441 bar), 1/8"-27" (.3175cm-68.6cm) NPT(f)
563219	7,300 psi (503 bar), 1/8"-27" (.3175cm-68.6cm) NPT(f)
563217	5,500 psi (379 bar), 1/8"-27" (.3175cm-68.6cm) NPT(f)

Rupture to Atmosphere Indicators for MX

Product Code	Description
563179	1,450 psi (100 bar), 1/4"-18" (.635cm-45.7cm) NPT(f)
563182	1,750 psi (121 bar), 1/4"-18" (.635cm-45.7cm) NPT(f)
563183	2,050 psi (141 bar), 1/4"-18" (.635cm-45.7cm) NPT(f)
563184	2,350 psi (162 bar), 1/4"-18" (.635cm-45.7cm) NPT(f)
563185	2,950 psi (203 bar), 1/4"-18" (.635cm-45.7cm) NPT(f)
563186	1,450 psi (100 bar), 1/4"-18" (.635cm-45.7cm) NPT(f), with Spud Assembly
563187	1,750 psi (121 bar), 1/4"-18" (.635cm-45.7cm) NPT(f), with Spud Assembly
563188	2,350 psi (162 bar), 1/4"-18" (.635cm-45.7cm) NPT(f), with Spud Assembly

Replacement Rupture Packs of 6 (11/16" / 17.5mm Diameter Discs)

Product Code	Description
563962	1,450 psi (100 bar), Yellow
563963	1,750 psi (121 bar), Red
563964	2,050 psi (141 bar), Orange
563965	2,350 psi (162 bar), Aluminum
563966	2,940 psi (203 bar), Blue

Replacement Rupture Packs of 25 (3/8 inch / 9.5 mm Diameter Discs)

Product Code	Description
563952	900 psi (62 bar), Black
563954	1,450 psi (100 bar), Yellow
563955	1,750 psi (121 bar), Red
563956	2,050 psi (141 bar), Orange
563957	2,350 psi (162 bar), Aluminum
563958	2,650 psi (183 bar), Pink
563959	2,950 psi (203 bar), Blue
563960	3,250 psi (224 bar), Purple
563961	5,000 psi (345 bar), Brown

Magnetic Visual Indicator



NEW



Six steel balls in a clear sleeve follow a magnet which moves with the cycling piston, providing a clear visual indication of lube cycles.

Divider Valve Cycle Indicators & Switches

Product Code	Description
563251	MS/MHH Visual Cycle Indicator Assembly, O-Ring Seal
563260	MX/MXP Visual Cycle Indicator Assembly
563250	MS/MHH Visual Cycle Indicator Assembly, Gasket Seal

Proximity Switches



557747

24K415



NEW

- Available in 115V AC or 12-32V DC
- Available for all series progressive families to provide cycle rates up to 200 CPM
- Pressure ratings up to 10,000 psi (690 bar)
- Variety of electrical connections and voltages with or without LED indication
- Select models available with UL and CSA approvals

Divider Valve Proximity Switches

Product Code	Description
24K415	CD PNP, 10-36V DC, 7/16" (11.1mm) Thread, M12 Connection, USP/MSP/MHH
557747	FSM, 12-23V DC, 4 Pin CH, MSP/MHH
557741	FSM, 115V AC, 3 Pin BH, MSP/MHH
557746	FSM, 115V AC, 5 Pin BH, MSP/MHH
563478	FSmech, 12-32V DC, 3 Pin BH, LED, MSP/MHH
563501	FSmech, 12-32V DC, 4 Pin Micro, LED, MSP/MHH
563477	FSmech, 12-32V DC, 5 Pin BH, LED, MSP/MHH
563484	FSmech, AC/DC, 5 Pin BH, MSP/MH
557745	FSM, Explosion Proof, 115V AC, MSP/MHH
563485	FSmech, Explosion Proof, 115V AC or 10-32V DC, MSP/MHH
563427	Reed Type, 115V AC or 10-32V DC, 1/2" (12.7mm) NPT, MSP/MHH

Proximity Switch Connector Cables

Product Code	Description
124333	M12 Cable, Male & Female, 16' (4.88m)
558021	3 Pin Cable, Straight Connector, 6' (1.83m)
558022	3 Pin Cable, Straight Connector, 12' (3.66m)
558025	4 Pin Cable, Straight Connector, Polarity PNP, 12' (3.66m)
558026	4 Pin Cable, 90° Connector, Polarity PNP, 12' (3.66m)
558023	5 Pin Cable, Straight Connector, 6' (1.83m)
558024	5 Pin Cable, Straight Connector, 12' (3.66m)

Cycle Switch



NEW



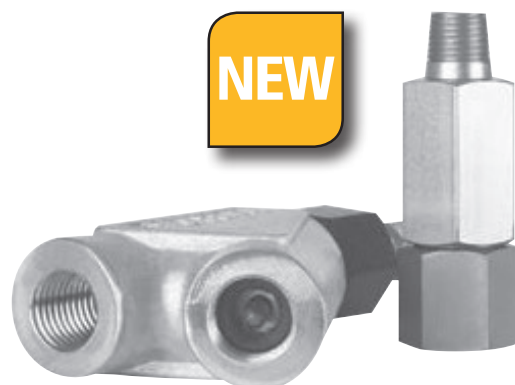
- Monitors piston movement to ensure completed lubrication cycle, must have cycle indicator pin
- Provides positive feedback based on actual metering piston movement
- Mounts to MJ, MSP, MXP, or MX divider with cycle pin option with simple install
- Able to be set for normally open or normally closed operation

Product Code	Description
557781	Replacement Cycle Switch for 563269, 563270, 563271, 564356, 563272
563272	MJ/MS/MHH/MXP Cycle Switch (SPDT) Bracket Assembly
563273	MJ/MS/MHH/MXP Cycle Switch (SPDT) Bracket Assembly, Moisture Resistant
557546	Replacement Bracket, 563272, 563273, 564357

Broken Line Indicators



NEW



- Monitors lube line integrity to ensure lubricant is delivered to critical bearings
- Provides a visual or electronic indication
- Works with terminating oil or grease systems as well as recirculating systems

	BLI500	BLI1000	BLI1500
Simulator Pressure	60 psi (4.1 bar)	100 psi (6.9 bar)	150 psi (10.3 bar)
Maximum Pump Pressure	1,000 psi (69.0 bar)	1,500 psi (103.4 bar)	2,500 psi (172.4 bar)

Broken Line Indicators

Product Code	Description
563068	500 psi (34.5 bar) Indicator
563069	1,000 psi (68.9 bar) Indicator
563070	1,500 psi (103.4 bar) Indicator
563075	60 psi (4.1 bar) Simulator
563076	100 psi (6.9 bar) Simulator
563077	150 psi (10.3 bar) Simulator
563078	Broken Line Indicator Kit, 563068, 563075
563079	Broken Line Indicator Kit, 563069, 563076
563080	Broken Line Indicator Kit, 563070, 563077

FOR JUBILEE CLIPS, SEE SECTION 11



DUAL LINE MEASURING VALVES

DM

Farval
Lubrication Systems, Inc.

- DUAL
- OIL
- GREASE
- FG

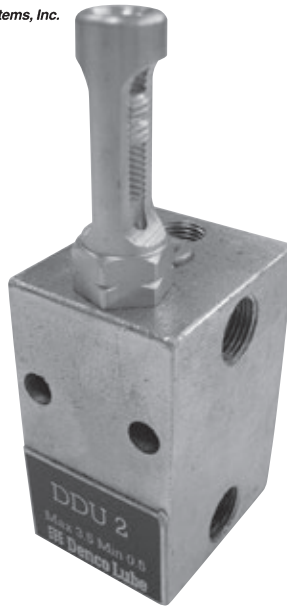


Product Code	Discharge per Stroke cm ³		No. of Outlets
	Max	Min	
DM31	1.20	0.20	1
DM32	1.20	0.20	2
DM33	1.20	0.20	3
DM34	1.20	0.20	4
DM41	2.25	0.60	1
DM42	2.25	0.60	2
DM43	2.25	0.60	3
DM44	2.25	0.60	4
DM51	5.10	1.20	1
DM52	5.10	1.20	2
DM53	5.10	1.20	3
DM54	5.10	1.20	4
DM61	14.25	3.00	1
DM62	14.25	3.00	2

DDU

Farval
Lubrication Systems, Inc.

- DUAL
- OIL
- GREASE
- FG



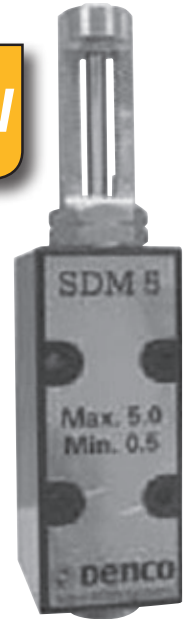
Product Code	Discharge per Stroke cm ³		No. of Outlets
	Max	Min	
DDU1	0.50	3.50	1
DDU2	0.50	3.50	2
DDU3	0.50	3.50	3
DDU4	0.50	3.50	4
DDU5	0.50	3.50	5
DDU6	0.50	3.50	6
DDU7	0.50	3.50	7
DDU8	0.50	3.50	8

DDM & SDM

Farval
Lubrication Systems, Inc.

- DUAL
- OIL
- GREASE
- FG

NEW



- Mounting: each module is supplied with four Viton o-rings and four M4 stainless steel socket headed cap screws to enable it to be fitted to the selected manifold adaptor.
- Max supply pressure: 350 bar
- Temperature range: -20° to +120°C (Viton seals)
-20°C to +90°C (nitrile seals)

- Lubricant: oil or grease (N°3 NLGI max)
- Max cycle rate without cycle pin: 200 cycles/minute

Materials:

- Body: steel, electrophoretically plated
- Pistons: hardened steel
- Packing gland: DDM1/SDM1, brass
DDM5/SDM5, brass
DDM15/SDM15, steel
- Seals: DDM1/SDM1/DDM5/SDM5, Viton
DDM15/SDM15, nitrile
- Indicator stem: stainless steel

Product Code	Discharge per outlet per double cycle cm ³	
	Max	Min
DDM1	1.00	0.10
SDM1	2.00	0.20
DDM5	5.00	0.50
SDM5	10.00	1.00
DDM15	15.00	3.00
SDM15	30.00	6.00

FOR TIMERS, SEE SECTION 5



SPRAY COMPONENTS

Flexible Extension Jet



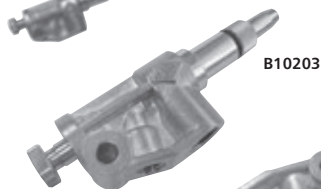
- Thread connection:
For oil: 5/16" UNF
For air: 1/8" NPT
- Material: Die cast zinc/
aluminium alloy body
- Liquid flow adjustment
- With mounting holes

Product Code	Description
B101	Flexible Extension Jet c/w B136 Tip

Rigid Extension Jets



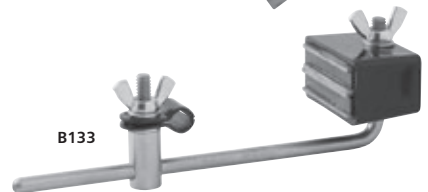
B102



B10203



B103



B133

- Thread connection:
For oil: 5/16" UNF
For air: 1/8" NPT
- Material: Die cast zinc/
aluminium body
- Liquid flow adjustment
- With mounting holes

Product Code	Description
B102	c/w B136 Tip
B103	Stub Jet
B10203	3' Rigid Extension Jet
B133	Magnetic Jet Holder

Jet Tip



- For use with flexible and rigid extension jets
- Material: Nickel plated brass with nitrile o-ring seal
- Smaller spray pattern

Product Code	Description
B136	Standard Jet Tip

Side Outlet



- For use with flexible and rigid extension jets
- Material: Nickel plated brass

Product Code	Description
B171	Side Outlet

Fan Outlet



- For use with flexible and rigid extension jets
- Material: Nickel plated brass
- Wider spray Pattern

Product Code	Description
B172	Fan Outlet

Side Fan Outlet



- For use with flexible and rigid extension jets
- Material: Nickel plated brass

Product Code	Description
B179	Side Fan Outlet

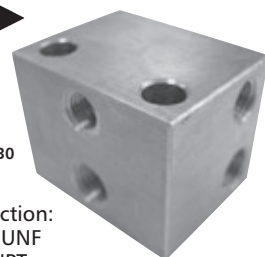
Check Valve



- Material: Brass body and stainless spring

Product Code	Connection for Both ends
B6999	5/16" UNF

Dual Tee Blocks

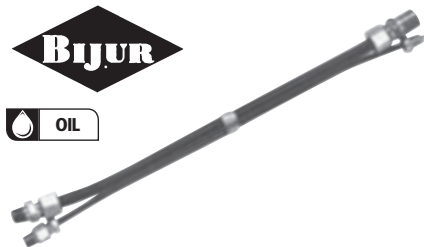


B130

- Thread connection:
For oil: 5/16" UNF
For air: 1/8" NPT
- Material: Aluminium

Product Code	Type	Length
B128	3 Way	1"
B129	5 Way	2.1/2"
B130	6 Way	3.1/4"
B131	8 Way	4.3/4"
B132	10 Way	6.1/4"

Hose Assemblies



- Thread connection:
For oil: 5/16" UNF male x 1/8" NPT male
For air: 1/8" NPT male x 1/4" NPT male

Product Code	Length
B156-1	1' Hose Assembly
B156-2	2' Hose Assembly
B156-3	3' Hose Assembly
B156-4	4' Hose Assembly
B156-6	6' Hose Assembly
B156-8	8' Hose Assembly
B156-10	10' Hose Assembly

SECTION

5

SYSTEM ACCESSORIES



Manifolds

Junction Headers

Line Filters

Check Valves

Mini Pressure Filters

Lubrication Brushes

Timers & Controllers

Grease Filters

Pressure Switches

Float Level Switches

MANIFOLDS

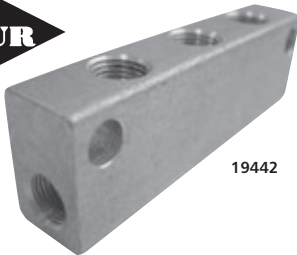
Die Cast Aluminium Manifolds



22653

M10 x 1 (Inlets for 6mm Tube)
M8 x 1 (Outlets for 4mm Tube)

Product Code	No. of Outlet Ports
22653	2 Way
22654	3 Way
22655	4 Way
22656	5 Way
22657	6 Way
22658	7 Way
22659	8 Way
22660	10 Way



19442

Single, 1/8" BSPT (Inlets)
M10 x 1 (Outlets)

Product Code	No. of Inlets & Outlets
17880	4 Way
19442	5 Way
17881	7 Way



AJ139

- For 4mm tube

M10 x 1 (Inlets & Outlets)

Product Code	No of Outlet Ports
AJ138	2 Way
AJ139	3 Way
AJ140	4 Way
AJ141	5 Way
AJ142	6 Way
AJ143	7 Way
AJ144	8 Way



Single, R1/8" BSPT (Inlets)
x M8 x 1 (Outlets)

Product Code	No. of Inlet and Outlet Ports
19197	8 Way

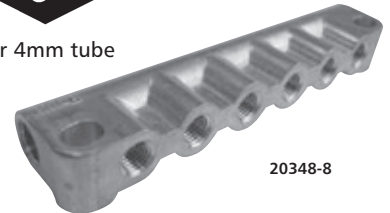


B3264

- For 4mm tube

Single, 5/16"-24" UNF
(Inlets & Outlets)

Product Code	No. of Inlet and Outlet Ports
B3262	4 Way
B3263	5 Way
B3264	6 Way
B3289	7 Way
B3265	8 Way
B4508	9 Way
B3704	10 Way
B3471	12 Way



20348-8

- For 4mm tube

Single, M8 x 1 (Inlets & Outlets)

Product Code	No. of Inlet and Outlet Ports
20348-4	4 Way
20348-5	5 Way
20348-6	6 Way
20348-7	7 Way
20348-8	8 Way
20348-9	9 Way
20348-10	10 Way
20348-12	12 Way



B3254

- For 4mm tube

Double

Product Code	No. of Inlet and Outlet Ports	Thread
B3109	6 Way	5/16" UNF
B3253	8 Way	5/16" UNF
B3254	10 Way	5/16" UNF
B3249	12 Way	5/16" UNF
B4020	14 Way	5/16" UNF
B4025	16 Way	5/16" UNF
15821	8 Way	M8 x 1
15826	10 Way	M8 x 1

FOR METERING DEVICES, SEE SECTION 4



Aluminium Single-Sided Manifolds



1/8" Inlet x 5mm Outlet Manifolds

Product Code	Inlet	Outlet
MAN-155.02	1/8" x 2	5mm x 2
MAN-155.04	1/8" x 2	5mm x 4
MAN-155.06	1/8" x 2	5mm x 6

1/4" Inlet x 1/8" Outlet Manifolds

Product Code	Inlet	Outlet
MAN-151.02	1/4" x 2	1/8" x 2
MAN-151.03	1/4" x 2	1/8" x 3
MAN-151.04	1/4" x 2	1/8" x 4
MAN-151.05	1/4" x 2	1/8" x 5
MAN-151.06	1/4" x 2	1/8" x 6

3/8" Inlet x 1/8" Outlet Manifolds

Product Code	Inlet	Outlet
MAN-153.03	3/8" x 2	1/8" x 3
MAN-153.04	3/8" x 2	1/8" x 4
MAN-153.05	3/8" x 2	1/8" x 5
MAN-153.06	3/8" x 2	1/8" x 6

3/8" Inlet x 1/4" Outlet Manifolds

Product Code	Inlet	Outlet
MAN-152.02	3/8" x 2	1/4" x 2
MAN-152.03	3/8" x 2	1/4" x 3
MAN-152.04	3/8" x 2	1/4" x 4
MAN-152.05	3/8" x 2	1/4" x 5
MAN-152.06	3/8" x 2	1/4" x 6

1/2" Inlet x 1/4" Outlet Manifolds

Product Code	Inlet	Outlet
MAN-154.02	1/2" x 2	1/4" x 2
MAN-154.03	1/2" x 2	1/4" x 3
MAN-154.04	1/2" x 2	1/4" x 4
MAN-154.05	1/2" x 2	1/4" x 5
MAN-154.06	1/2" x 2	1/4" x 6

1/2" Inlet x 3/8" Outlet Manifolds

Product Code	Inlet	Outlet
MAN-156.02	1/2" x 2	3/8" x 2
MAN-156.03	1/2" x 2	3/8" x 3
MAN-156.04	1/2" x 2	3/8" x 4
MAN-156.05	1/2" x 2	3/8" x 5
MAN-156.06	1/2" x 2	3/8" x 6

1/2" Inlet x 1/2" Outlet Manifolds

Product Code	Inlet	Outlet
MAN-157.02	1/2" x 2	1/2" x 2
MAN-157.03	1/2" x 2	1/2" x 3
MAN-157.04	1/2" x 2	1/2" x 4
MAN-157.05	1/2" x 2	1/2" x 5
MAN-157.06	1/2" x 2	1/2" x 6

Aluminium Double-Sided Manifolds



1/8" Inlet x 5mm Outlet Manifolds

Product Code	Inlet	Outlet
MAN-155.22	1/8" x 2	5mm x 2 + 2

1/4" Inlet x 1/8" Outlet Manifolds

Product Code	Inlet	Outlet
MAN-151.22	1/4" x 2	1/8" x 2 + 2
MAN-151.33	1/4" x 2	1/8" x 3 + 3
MAN-151.44	1/4" x 2	1/8" x 4 + 4
MAN-151.55	1/4" x 2	1/8" x 5 + 5

3/8" Inlet x 1/8" Outlet Manifolds

Product Code	Inlet	Outlet
MAN-153.22	3/8" x 2	1/8" x 2 + 2
MAN-153.33	3/8" x 2	1/8" x 3 + 3
MAN-153.44	3/8" x 2	1/8" x 4 + 4
MAN-153.55	3/8" x 2	1/8" x 5 + 5

3/8" Inlet x 1/4" Outlet Manifolds

Product Code	Inlet	Outlet
MAN-152.22	3/8" x 2	1/4" x 2 + 2
MAN-152.33	3/8" x 2	1/4" x 3 + 3
MAN-152.44	3/8" x 2	1/4" x 4 + 4
MAN-152.55	3/8" x 2	1/4" x 5 + 5

1/2" Inlet x 1/4" Outlet Manifolds

Product Code	Inlet	Outlet
MAN-154.22	1/2" x 2	1/4" x 2 + 2
MAN-154.33	1/2" x 2	1/4" x 3 + 3
MAN-154.44	1/2" x 2	1/4" x 4 + 4
MAN-154.55	1/2" x 2	1/4" x 5 + 5

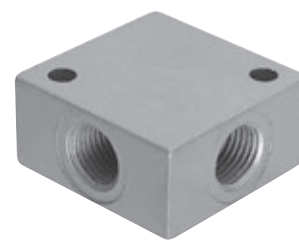
1/2" Inlet x 3/8" Outlet Manifolds

Product Code	Inlet	Outlet
MAN-156.44	1/2" x 2	3/8" x 4 + 4
MAN-156.55	1/2" x 2	3/8" x 5 + 5

1/2" Inlet x 1/2" Outlet Manifolds

Product Code	Inlet	Outlet
MAN-157.22	1/2" x 2	1/2" x 2 + 2
MAN-157.33	1/2" x 2	1/2" x 3 + 3
MAN-157.44	1/2" x 2	1/2" x 4 + 4
MAN-157.55	1/2" x 2	1/2" x 5 + 5

Female Equal Cross



A wide range of aluminium manifolds, ideal for multi-feeds and supplies in systems and for grouping valves. Note: for full dimensional drawings contact our Technical Department.

Aluminium

Product Code	BSPT
MAN-145.8	1/8"
MAN-145.4	1/4"
MAN-145.3	3/8"
MAN-145.2	1/2"

Distribution Manifolds



Working Pressure:
12 bar



Temperature Range:
0°C to +80°C



1/4" BSPP Inlet x 1/4" BSPP Outlet

Product Code	BSPP	No. of Outlets
MD-2	1/4"	2
MD-3	1/4"	3
MD-4	1/4"	4
MD-5	1/4"	5

Distribution Manifolds, Aluminium



Female Thread, BSPP

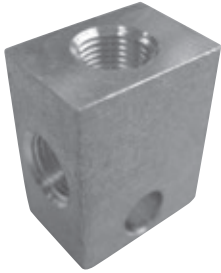
Product Code	Inlet	Outlet	No. of Outlets
DM13/3	1/4"	1/8"	3
DM13/4	1/4"	1/8"	4
DM13/5	1/4"	1/8"	5
DM13/6	1/4"	1/8"	6

FOR GREASE NIPPLES, SEE SECTION 1



JUNCTION HEADERS

Junction Bars

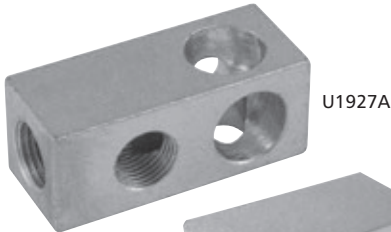


Tee, 1/8" BSPT (Outlets)

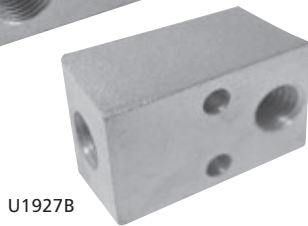
Product Code	Junction
17186	3 Way

Anchor Blocks

- Material: plated steel
- With mounting holes
- 90° type



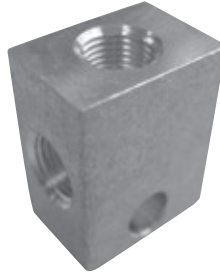
U1927A



U1927B

Product Code	Connection
U1927A	2 Way, 1/8" BSP
U1927B	2 Way, 1/4" BSP

Junction Blocks



Elbow

Product Code	Junction	Thread
B7691	2 Way	1/8" BSP



1/8" NPT

Product Code	Junction
B7693	3 Way

Tees



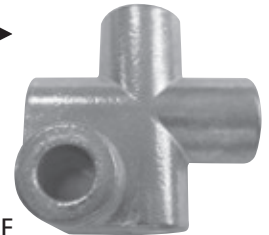
- For 4mm tube

Product Code	Junction	Thread
B3288	2 Way	5/16" UNF



- For 4mm tube

Product Code	Junction	Thread
B3065	3 Way	5/16" UNF
22564	3 Way	M8 x 1



- For 4mm tube

5/16"-24" UNF
(Inlets & Outlets)

Product Code	Junction
B4231	4 Way

FOR COMPRESSION FITTINGS, SEE SECTION 9



CHECK VALVES, FILTERS & HOSE ASSYS

Check Valves



- Material: Brass
- Includes ball & Spring

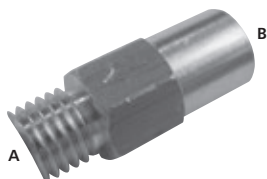


5/16"-24" UNF x 5/16"-24" UNF

Product Code	Description
B3003	5 psi
B3363	10 psi
B3251	20 psi
B5146	50 psi



- Material: Brass
- Includes ball & Spring



1/8" NPT x 5/16"-24" UNF

Product Code	Description	Connection A	Connection B
B3815	2 psi	1/8" NPT	5/16" UNF
B3905	5 psi	1/8" NPT	5/16" UNF
B3906	10 psi	1/8" NPT	5/16" UNF
B4450	20 psi	1/8" NPT	5/16" UNF
B4960	50 psi	1/8" NPT	5/16" UNF



- Material: Brass
- Includes ball & Spring



1/8" NPT x 1/8" NPT

Product Code	Description
B5290	1/2 psi
B4052	2 psi
B4942	5 psi
B4943	10 psi
B4944	20 psi

- Material: Brass
- Includes ball & Spring



1/8" BSP Male x M8x1 Female

Product Code
TC-4

Line Filters



A compact, easily serviced die-cast filter is available in two sizes for 1" and 3" deep disposable porous metal filter elements. Two grades of sintered metal filtration are offered, with 10, 25 and 125 micron (nominal) particle protection.

The bowl can be quickly disassembled by hand for inspection and replacement of filters. Elements are high strength, corrosion resistant sintered bronze metal, capable of removing large amounts of contaminants without breakdown or damage.

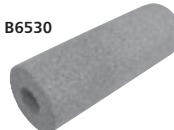
Assemblies are specially designed for easy in-line installations. They can be used with a variety of media, e.g. hydraulic and oil lubricants.

The filters are suitable for continuous delivery, as well as cyclic operation conditions.

- Die-cast aluminium housing
- Max. allowable operating pressure: 500 psi
- Porous bronze metal filter elements, 1" and 3" sizes (type 10p available in 3" size only)
- Filtration characteristics: 10,25 and 125 micron (nominal) ratings particle stoppage
- 1/8" NPT inlet and outlet



B6530



Replacement Element



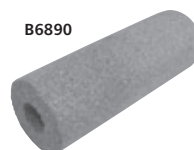
19851

Complete Filter

Product Code	Description
19850	Complete Filter Assy Type 25p
B6527	Replacement Element for 19850
19851	Complete Filter Assy Type 125p
B6530	Replacement Element for 19851



B6890



Replacement Element



19848

Complete Filter

Product Code	Description
19329	Complete Filter Assy Type 10p
19325	Replacement Element for 19329
19848	Complete Filter Assy Type 25p
B6890	Replacement Element for 19848
19849	Complete Filter Assy Type 125p
B6889	Replacement Element for 19849



- FX-1 Type
- Connection port M8 x 1
- Normal working pressure: 1.0mpa (10kgf/cm²)
- Filtration Type: 40 Micron



109311

Product Code	Description
109311	Complete Filter
259304	Replacement Element for 109311

Maxiflow



Temperature Range:
-30°C to +90°C



Max Working Pressure:
7 bar

NEW



- Seal: nitrile
- Filter bowl material: steel
- Fluids: mineral oils
- Filter head material: aluminium LM24

BSPP

Product Code	Thread	LPM
MXA8551223	3/4"	20
MXA8551023	3/4"	20
MXA9551424	1.1/4"	160
MXA9511424	1.1/4"	160

NEW



Replacement Elements

Product Code	Model	Quantity
MXR8550	MXA8551424	1
MX1518410X4	MXA8551223 & MX8551023	4
MXR9560	MXA9561424	1
MXR9550	MXA9551424	1
MX1591.4.10X4	MXA9511424 & MXA9511223	4

In-line Spin-on Filters



Temperature Range:
-30°C to +100°C



Max Working Pressure:
10 bar

NEW



- Paper and glass fibre element media
- Spin-on disposable canisters
- Suitable for suction and return line applications
- Flow rates to 350 l/min
- Bypass
- Visual indicator
- Seals: buna nitrile
- Filter head material: aluminium alloy
- Fluids: compatible with hydraulic oils, coolant fluids and petroleum based fluids
- Filter bowl material: steel
- Element media:
 - 10CT = 10 micrometer nominal filtration (resin-impregnated cellulose),
 - 10BT = 10 micrometer absolute filtration (glass fibre composite material)
- Indication: 42mm dia gauge, 0-12 bar, return line, 0-76cm, Hg suction line

10CT, BSPP

Product Code	LPM	Thread
12PS10CTV1R2B	75	3/4"

10BT, BSPP

Product Code	LPM	Thread
12PS10BTV1R2B	65	3/4"

Replacement Elements

Product Code	To Suit
926501	12PS (10CT & 10BT)

Mini Pressure Filter



Temperature Range:
-30°C to +90°C



Max Working Pressure:
280 bar

NEW





- Compact, robust and easy to install
 - Manufactured in high quality brass
 - 10 μ , 25 μ , and 125 μ elements
 - No indicator filter
 - G1/4 ports
 - For use in lubrication, high pressure water and oil burner systems
 - Reliable protection of low flow pilot valves
 - Suitable for use with mineral and petroleum based fluids
 - Nitrile seal
 - Filtration media:
 - 10 micron (nominal) nitrile phenolic resin-impregnated cellulose,
 - 25 μ , 40 μ and 125 μ (nominal) stainless steel
- Please note: HPR1719 and HPR1819 elements are not stainless steel, they are paper with tin end caps.

Filters & Elements

Product Code	Old Ref	Description
HPA1619100	HP122910	10 Micron Filter, Flow up to 6 l/min
HPR1619	R122910	Replacement Element for HPA1619100
HPA1719100	HP122925	25 Micron Filter, Flow up to 17 l/min
HPR1719	R122925	Replacement Element for HPA1719100
HPA1819100	HP122940	40 Micron Filter, Flow up to 18 l/min
HPR1819	R122940	Replacement Element for HPA1819100

Spin-on Filters

 **Temperature Range:**
-25°C to +110°C

 **Working Pressure:**
12 bar

NEW



- Flow rates to 310 lpm
- Filter head material: aluminium alloy
- Filter bowl material: steel
- Seals: nitrile (buna-n) as standard
- Fluids: compatible with hydraulic oils, coolant fluids and petroleum-based fluids
- 1.75 bar bypass on return
- Suitable for both suction and return line applications
- Standard filter suitable for mineral oils and synthetic fluids
- Filtration rating from 3 micron to 25 micron absolute
- Visual/elec indicator options
- Filters conform to ISO filtration standards
- MP Filtri UK, an ISO9001 company

Request Tech-Sheet No. 1923 for Technical Information.

For Return Line Use, 10 Micron, BSPP

Product Code	Manufacturer's Code	Thread	µm	Bar	Length mm	LPM
2086-2827	MPS050RG1P10VR	3/4"	10	12	180	55
2086-2835	MPS100RG1P10VR	1.1/4"	10	12	241	130
2086-2843	MPS150RG1P10VR	1.1/4"	10	12	286	150

- P Series elements:
e.g. P10 and P25, nominal cellulose-impregnated paper media, 50% efficient
- A Series elements:
e.g. A03, A06, A10 and A25, absolute inorganic microfibre filtration media, 99.9% efficient



Request Tech-Sheet No. 1923 for Technical Information.

Replacement Spin-on Canisters







Product Code	To Suit Unit	µm	Length mm	LPM
CS050P10A	3/4"	10	180	55
CS050A10A	3/4"	10	180	48
CS050A06A	3/4"	6	180	44
CS050A03A	3/4"	3	180	40
CS100P10A	1.1/4"	10	241	130
CS100A10A	1.1/4"	10	241	110
CS100A06A	1.1/4"	6	241	85
CS100A03A	1.1/4"	3	241	75
CS150P10A	1.1/4"	10	311	150
CS150A10A	1.1/4"	10	311	115
CS150A06A	1.1/4"	6	311	100
CS150A03A	1.1/4"	3	311	85

NEW

Filters



Graco's lubricant filters are available in a variety of configurations, pressure ratings, and filtering capabilities. They are typically used for removing potentially harmful contaminants from the lubricant before they are dispensed into the lubrication points.

-  SLR
-  PDI
-  PROG
-  OIL
-  GREASE
-  FG

NEW



In-line Oil Filters, High Pressure

Product Code	Description
563516	10 Micron In-line Oil Filter, BSPP (ISO 1179)
563515	25 Micron In-line Oil Filter, BSPP (ISO 1179)
563509	10 Micron Replacement Filter Element, 563511, 563513, 563516
563510	25 Micron Replacement Filter Element, 563512, 563514, 563515



Strainers are available in Block-Type and Y-Type configurations and are typically utilized in heavy oil and grease lubrication systems for protecting pumps, divider valves and machine tool components.

These Trabon strainers are simple, compact, durable and feature readily removable, cleanable and replaceable filtering screens. Easily installed in new or existing lubrication systems, they can protect the entire system including the pump against contaminants. If they are used to protect the entire system, they should be located at the reservoir fill point. In this case, pressure filling will be required. If a strainer is to protect only the divider valve, it should be installed just downstream of the pump discharge.

NEW



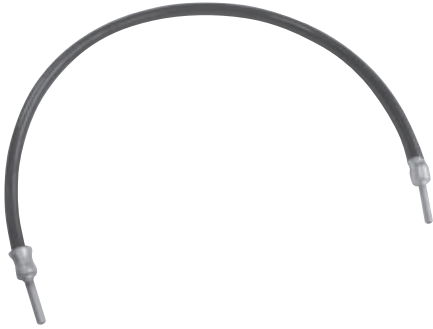
In-line Oil/Grease Filters, High-Pressure

Product Code	Description
564406	149 Micron, 100 Mesh In-line Block Strainer, BSPP (ISO 1179)
557700	149 Micron Replacement Filter Element, 563507, 564406

Hose Assys



- Hose Material: Black high pressure hose
- Fittings Material: Brass



Hose Type 'SS', Hose 5/16" OD

Product Code	Description
B4514	4"
B4515	5"
B4516	6"
B4517	7"
B4518	8"
B4519	9"
B4520	10"
B4588	12"
B4589	14"

Hose Type 'SS', Hose 7/16" OD

Product Code	Description
B2962	5"
B3134	6"
B2963	7"
B3433	8"
B2542	9"
B3145	10"
B3135	12"
B3530	14"
B3531	16"
B3137	18"
B3532	20"
B3528	22"
B3508	24"
B3533	27"
B3534	30"
B3735	33"

Non-return Valve

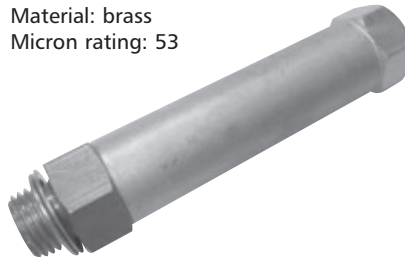
- Material: Brass body, stainless steel ball
- Should be fitted vertically into the oil strainer then connected to the pump by a suction pipe



Product Code	Length	Male	Female
LULV10038	43mm	3/8" BSP	3/8" BSP

Line Filter

- Material: brass
- Micron rating: 53



Product Code	Connection
LULV10009	1/4" BSP

Over Pressure Relief Valves

- Material: brass
- Includes a pressure adjusting screw



Relief valves can be fitted anywhere in the main line circuit between the pump and return to reservoir. The pressure setting is variable to permit flexibility of circuit design.

Product Code	Pressure Range	Connection
LULV10036	0-1 bar	1/4" BSP
LULV10037	0.7-8 bar	3/8" BSP

Oil Strainer

- Material: brass
- Filtration: 40 mesh



Product Code	Length	Female
LULV10046	76.4mm	3/8" BSP

Lubrication Filler Gun

- Material: steel
- 400cm³ capacity
- Complete with spigot and protective cap
- Designed for rapid filling of automatic lubrication reservoirs with standard grease cartridge



NEW

Product Code
36-9022

Filler Adaptor For Lubrication Filler Gun

- Filler adaptor with spigot to suit filler gun 36-9022



NEW

Product Code	Description
36-9023	Filler Adaptor M20 x 1.5
36-9028	Filler Adaptor M22 x 1.5

FOR LUBRICATION PUMPS, SEE SECTION 3



LUBRICATION BRUSHES

Round & Flat Brushes

perma

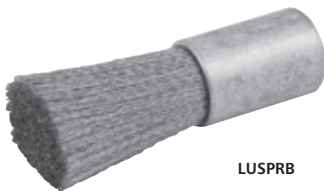


Round Brush, 1/4" BSP

Product Code	Description
A400	20mm Nylon Bristle



LUSPRN



LUSPRB

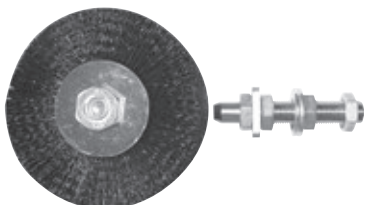
Round Brush, 1/8" BSP

Product Code	Description
LUSPRN6.5	6.5mm Nylon Bristle
LUSPRN16	16mm Nylon Bristle
LUSPRN25	25mm Nylon Bristle
LUSPRN30	30mm Nylon Bristle
LUSPRB6.5	6.5mm Brass Bristle
LUSPRB16	16mm Brass Bristle
LUSPRB25	25mm Brass Bristle
LUSPRB30	30mm Brass Bristle



Round Brush, 1/8" NPT Male

Product Code	Description
80310	25mm Nylon Brush



Circular Brush, 1/8" BSP Male

Product Code	Description
LURSMN80	Width 25mm, Dia. 80mm, Nylon Brush
LURSMB80	Width 30mm, Dia. 80mm, Steel Brush

perma



A410



A411



A412

Flat Brush, 1/4" BSP

Product Code	Description
A410	40 x 30mm Nylon Bristle
A411	60 x 30mm Nylon Bristle
A412	100 x 30mm Nylon Bristle



Flat Brush, 1/8" BSP

Product Code	Description
LUSPFN57	57mm Nylon Bristle
LUSPFB57	57mm Brass Bristle

BIJUR



Flat Brush, 1/8" NPT Male

Product Code	Description
80311	48 x 14mm Nylon Brush

BIJUR



B7488



B7488L



AR1473

Flat Brush, 1/8" NPT

Product Code	Description
B7488	18mm Nylon Bristle
B7488L	18mm Brass Bristle
AR1473	30mm Nylon Bristle

FOR OIL RESERVOIRS, SEE SECTION 2



TIMERS & CONTROLLERS

Electrical Controllers, Type SS2200



Technical data sheet
available on request

- Operates on time or machine cycles and can control electric or air driven pumps
- Precise LED indicators clearly display idle, lube or fault modes and a three digit numerical display used during both programming and lube system operation

Product Code	Description
SS220024	24V DC
SS2200	110V AC
SS2200220	220V AC

SMDC Controller



The SMDC Controller is a multipurpose programmable controller used with on-board mobile lubrication systems. The unit is energized by the vehicle or machine's ignition switch. Controller settings are saved whenever power is interrupted. Up to four operating modes can be selected which allow the controller to be used with various lubrication system designs.

A voltage selector switch is located inside the enclosure for both 12 and 24V DC service.

- Digital status display on front cover for easy programming
- System monitoring capabilities
- Data memory function initiated at power down
- Compact design

NEW

Operating Voltage	12V DC, 24V DC (factory setting)	
IP Enclosure Rating	External terminal strip	IP-47
	Liquid tight connector	IP-67
Fault Relay Contacts	24V DC, 1 amp	
Ambient Temperature	-4°F to 104°F (-20°C to 40°C)	
Weight	0.3kg	
Electrical Fuse	10 amp	

Operation Mode:

- Timer Control Mode**
Recommended for systems without a pressure switch or cycle switch
- Pressure Control Mode**
Recommended for injector systems
- Cycle Control Mode**
Recommended for progressive systems
- Pulse Control Mode**
Recommended for pulse systems
- Advanced Setup Mode**
In Advanced Setup Mode, additional features may be set to suit special application requirements

Fault Conditions:

- Monitor time-out
- Pressure switch failure
- Internal memory failure
- Bad programme data
- Low level

Product Code	Description
33346ME	Controller with External Terminal Strip
33346E	Controller with Liquid Tight Connector

SC400 Controller, Multifunction



NEW

The SC400 Controller is a full featured lubrication control, offering 'two plus one' functionality: two independent lubrication zones may be programmed with a single controller, plus control of one automatic reservoir fill system.

The SC400 Controller has the ability to operate a single pump and two zone valves (e.g. frequent/infrequent lubrication cycles) or two separate pumps (e.g. one oil pump and one grease pump). Each zone operates independently. ('Two zone' feature is not available for Dualine electric systems or for systems that require after blow).

For single zone systems, the SC400 Controller also offers two intervals (e.g. weekday /weekend). Using an external switch, the customer can quickly change lubrication intervals between two sets of off time. The SC400 also incorporates an automatic fill feature. The controller can activate a fill pump as needed to maintain proper fluid levels in the oil or grease reservoir.

The SC400 operates in any of five system modes:

- Series progressive
- Single line injector
- Dualine (hydraulic reversing valve)
- Dualine (electric reversing valve)
- Continuous

Input Voltage	85 to 265V AC, 50/60Hz
Output Rating (line A & B)	8 amp (90 to 250V AC)
Idle Time Range	1 second to 100 days
Machine Cycle Counts	1 to 999,999 Counts (30 counts/second at 50% duty cycle)
Monitor Time	1 second to 24 hours
Cycle Counts On	1 to 999 counts
Over Counts	0 to 9
Length x Width x Height	12.3" x 9.2" x 5"
Fault Relay Contacts	5 amp

- Critical inputs accept PNP, NPN, or mechanical switches
- Primary alarm inputs may be programmed for NO or NC functionality
- 2 zone operation (for progressive, injector and dualine hydraulic systems)
- Machine watchdog and cycle monitoring
- Pause (stand-by), jog (manual operation)
- Accepts all BDI electric reversing valves and cycle/pressure/end-of-line switches

Product Code
SC400

SMAC Controller



- SLR
- PDI
- PROG



NEW

The SMAC Controller is a multipurpose programmable controller used with industrial lubrication systems. Controller settings are saved whenever power is interrupted. Up to four operating modes can be selected which allows the controller to be used with various lubrication system designs. The controller is available in both 110 and 220/230V AC service.

- Digital status display on front cover for easy programming
- System monitoring capabilities
- Data memory function initiated at power down
- Compact design

Operation Mode:

- **Timer Control Mode**
Recommended for systems without a pressure switch or cycle switch
- **Pressure Control Mode**
Recommended for injector systems
- **Cycle Control Mode**
Recommended for progressive systems
- **Pulse Control Mode**
Recommended for pulse systems

Product Code	Description
22361-E2	Controller With Liquid Tight Connector (110V AC)
22361-E1	Controller With Liquid Tight Connector (220/230V AC)

GLC 4400™ Controller



- SLR
- PDI
- PROG
- DUAL



NEW

- Customize your lubrication time, pressure, cycle counts and machine counts for maximum precision and productivity
- Simple icon- and menu-based user interface is easy to setup and operate, saving valuable technician time
- Special operation modes save setup and inspection time
- Rugged and weatherproof, meeting stringent IP69K protection requirements
- Works with single line resistive, single line parallel, series progressive and dual line systems

Available Inputs:

- Pressure/cycle switch
- Machine count switch
- Reservoir level switch
- Remote manual run switch

Available Outputs:

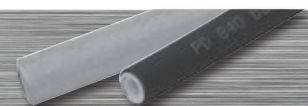
- Pump control signal
- Low level alarm signal
- Pressure/cycle alarm
- System okay signal

Typical Applications:

- Heavy construction, mining and other mobile off-road equipment
- In plant machinery, food and beverage, and wind energy

Product Code	Description
24B596	9-30V DC

FOR TUBING, SEE SECTION 9



PRESSURE SWITCHES & FLOAT SWITCHES

Flow Switches

NEW



Max. Medium Temperature: +120°C

Pressure: 11 bar

Request Tech-Sheet No. 114 for Technical Information.

- Brass and stainless steel wetted parts
 - IP65
 - Max 250V AC/15A resistive
 - SPDT contacts
 - For use with pipe sizes 1" to 8" complete with 4 different size paddles
- Note: other options available on request.

Standard Range, 1" BSPP

Product Code

CR-025HMS

NEW



Request Tech-Sheet No. 115 for Technical Information.

- 1 to 6 L/min
- Plastic body
- IP67 normally open contacts
- Max 250V AC/50 resistive

Note: other options available on request.

Low Cost Plastic Range, 3/4" BSPP

Product Code	Max Bar
FW1-020GP001	10

FW Flow Switch Cable

NEW

Temperature: +90°C



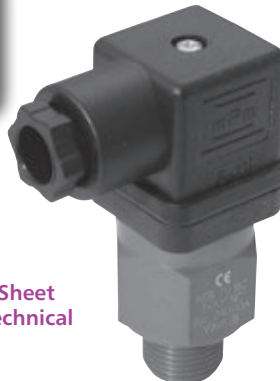
2 Metre Cable

Product Code

KPU2SW

Temperature Switches

NEW



Request Tech-Sheet No. 116 for Technical Information.

- Aluminium body
- IP65 N/O contacts
- Max 250V AC/10A resistive

Note: other temperature ranges available on request.

Normally Open
(Set Point 60°C +/-5°C), 3/8" BSPP

Product Code

NTB60BA

Normally Closed
(Set Point 60°C +/-5°C), 3/8" BSPP

Product Code

NTB60BC

Normally Open
(Set Point 70°C +/-5°C), 3/8" BSPP

Product Code

NTB70BA

Pressure Switches

NEW



- Steel body
- Nitrile seal
- Max 48V/0.5A resistive

Request Tech-Sheet No. 106 for Technical Information.

Normally Open, 1/4" BSPP

Product Code	Bar Range	Max Bar
PMN1AN1/8PSTL	0.1-1	150
PMN2AN1/8PSTL	0.15-2	300
PMN10AN1/8PSTL	2-10	300
PMN20AN1/8PSTL	10-20	300
PMN50AN1/8PSTL	20-50	300
PMN80AN1/8PSTL	50-80	300
PMN150AN1/8PSTL	50-150	300
PMN250AN1/8PSTL	100-250	600
PMN300AN1/8PSTL	50-300	600

Normally Closed, 1/4" BSPP

Product Code	Bar Range	Max Bar
PMN1CN1/8PSTL	0.1-1	150
PMN2CN1/8PSTL	0.15-2	300
PMN10CN1/8PSTL	2-10	300
PMN20CN1/8PSTL	10-20	300
PMN50CN1/8PSTL	20-50	300
PMN150CN1/8PSTL	50-150	300
PMN250CN1/8PSTL	100-250	600

NEW



Request Tech-Sheet No. 107 for Technical Information.

SPDT Contacts, 1/4" BSPP

Product Code	Bar Range	Max Bar
PSM2N1/8PSTL	0.2-2	300
PSM10N1/8PSTL	1-10	300
PSM50N1/8PSTL	10-50	300
PSM100N1/8PSTL	10-100	300

NEW



Protective Rubber Boot, to suit all PMN Pressure Switches

Product Code

PVL009

DIY Kits – Float Level

NEW



Make up a Level Switch using the selection of tank fittings supplied. Just cut tube to required length.

- Two lengths available: 500mm and 1,000mm
- Normally open/normally closed contacts
- Din plug connection
- Max 240V AC/60VA resistive
- Nitrile float and brass stem

Request Tech-Sheet No. 112 for Technical Information.

Up to 500mm, 1" BSPP

Product Code	Max Bar
2050-3389	10

Request Tech-Sheet No. 113 for Technical Information.

Up to 1,000mm, 1" BSPP

Product Code	Max Bar
2050-3397	10

Float Level Switches

NEW



- Normally open/normally closed contacts
- 300mm cable length
- Max 240V AC/66VA resistive
- Suitable for water, etc.

Request Tech-Sheet No. 112 for Technical Information.

Top Entry, Polypropylene, 1/8" BSPP

Product Code	Max Bar
MFS17-C-2	3



NEW

- Normally open/normally closed contacts
- Max 240V AC/50VA resistive
- 300mm cable length

Request Tech-Sheet No. 112 for Technical Information.

Side Entry, Polypropylene, 1/2" BSPP

Product Code	Bar
MFS10-N1-2	Atmospheric



NEW

Request Tech-Sheet No. 109 for Technical Information.

Top Entry, 316 Stainless Steel, 1/8" BSPP

Product Code	Max Bar
RFS-2-2-SUS316	30

NEW



Request Tech-Sheet No. 110 for Technical Information.

Side Entry, 316 Stainless Steel, 1/8" BSPP

Product Code	Max Bar
RFS-4-2-SUS316	30



NEW

- Normally open/normally closed contacts
- Max 240V AC/650VA resistive
- Din plug connection

Request Tech-Sheet No. 111 for Technical Information.

Side Entry, 304 Stainless Steel, 1/2" BSPP

Product Code	Max Bar
RFS-12P-2-SUS304	5



NEW



- Reversible float can be altered to and from Normally Open to Normally Closed

130mm Overall Length

Product Code	Max Bar
B8561	Float Switch SPDT

Oil Level Gauge

- Reads the oil level and sends the reading to an indoor receiver
- Suitable for use with heating oil and diesel
- Fits plastic tanks up to 3m deep. Easy to retrofit
- The transmitter needs a 20mm or 32mm hole on top of the tank
- No power required at the gauge, has a long life lithium battery
- Comes with an electronic receiver that plugs into a 230V socket
- Receiver can be up to 200m away from the tank
- Tank level is displayed in ten graduations

NEW



Product Code	Length
APOL.1	3 mtrs

Tank Gauge - Remote Reading

- Simple hydrostatic tank contents gauge
- Suitable for use with heating oil and diesel
- UNITOP suits tanks from 0.9m to 3.2m high
- Probe has 1/2" BSP male tank fitting
- Readout can be sited up to 20m away from the tank
- Shows percentage of full tank contents
- Calibrate on site to suit tank
- Pull the plunger and release to show tank contents



NEW

Product Code	Description
UNITOP	Rectangular/Cylinder Tanks

Float Level Switches

Body: Glass filled nylon
Rod: Stainless steel
Rod Length: 500mm which can be cut to length to suit the application

NEW

Float: Delrin
 DIN 43650 connector
 IP65 rated

Fluid Compatibility: Mineral oils, synthetic fluids, phosphate esters, water glycols

- Flange Connection with 35mm diameter hole required or 1" BSP connection 43mm ext. diameter with 3 equally spaced M4 screws
- Wiring Options - contact open or closed in the absence or presence of fluid to be wired to suit the application



Temperature Range:
 -20°C to +100°C



Single

Product Code	Description
RL-G1-1-S2	1" BSP Connection
RL-G1-F3-S2	Flanged Connection

Double

Product Code	Description
RL-G2-11/4-S2-S2	1.1/4" BSP Connection
RL-G2-F3-S2-S2	Flanged Connection

Magnetic Tank Cleaner

NEW

Request Tech-Sheet No. 10055 for Technical Information.



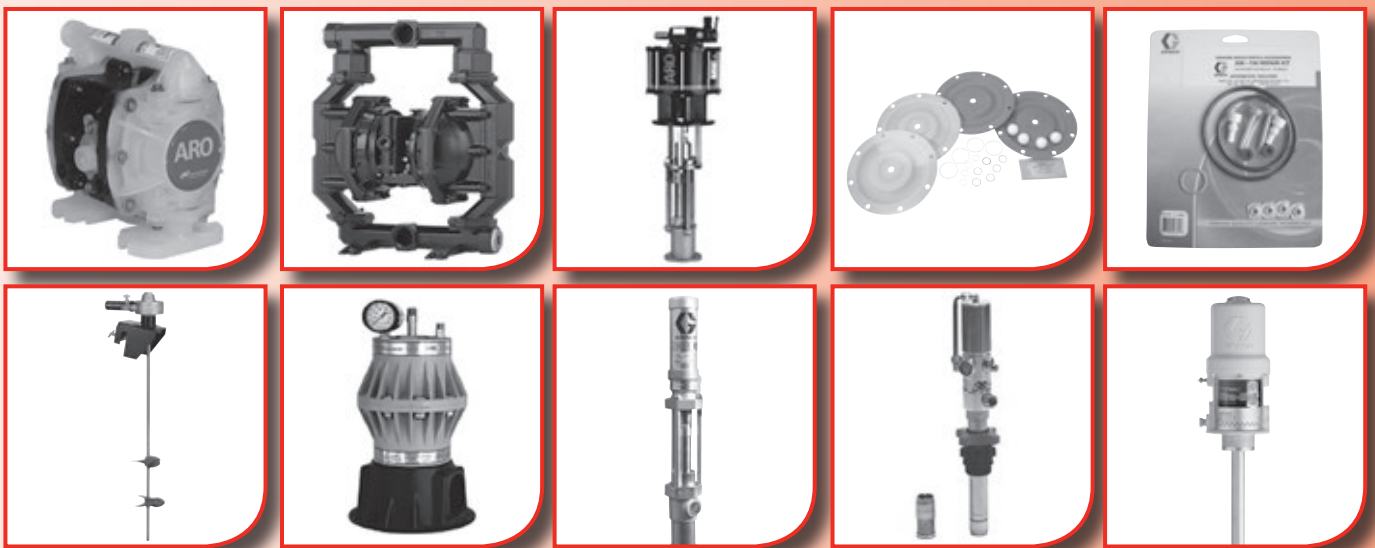
M12 Thread, 57mm OD

Product Code	Length mm
MTC-300	300
MTC-450	450
MTC-525	525
MTC-600	600

SECTION

6

PROCESS PUMPS



- Diaphragm Pumps
- Flap Valve Diaphragm Pumps
- Extrusion Pumps
- Fluid Kits
- Air Motor Kits
- Agitators
- Pulsation Dampeners
- Oil Pumps
- Stub Pumps
- Grease Pumps

ARO DIAPHRAGM PUMPS

1/4" EXP Series Diaphragm Pumps

- Maximum flow: 20 L/min
- Volume per cycle: 0.072 L
- Max. air inlet pressure: 8.6 bar
- Max. air consumption: 9 Nm³/h
- Air inlet: 1/4" – 18 PTF (SAE Short)
- Fluid inlet: 1/4" NPTF/BSPT hybrid
- Fluid outlet: 1/4" NPTF/BSPT hybrid
- Suspended solids: max. Ø 1.6mm



Polypropylene Air Motor

Product Code	Wetted Part	Seat	Ball & Diaphragm
PD01E-HDS-DAA-A*	Ground Acetal	Acetal	Santoprene
PD01P-HPS-PAA-A	Polypropylene	Polypropylene	Santoprene
PD01P-HPS-PGG-A	Polypropylene	Polypropylene	Nitrile
PD01P-HPS-PTT-A	Polypropylene	Polypropylene	PTFE

*ATEX II 2GD Certification

1/2" EXP Series Diaphragm Pumps

- Maximum flow: 54.5 L/min
- Volume per cycle: 0.15 L
- Max. air inlet pressure: 7 bar
- Max. air consumption: 36 Nm³/h
- Air inlet (female): 1/4" – 18 PTF (SAE Short)
- Fluid inlet: 1/2" – 18 NPTF –1 Rp 1/2" (1/2 – 14 BSP, parallel)
- Fluid outlet: 1/2" – 18 NPTF –1 Rp 1/2" (1/2 – 14 BSP, parallel)
- Suspended solids: max. Ø 2.4mm



Polypropylene Air Motor

Product Code	Fluid Caps	Seat	Ball & Diaphragm
PD05P-BPS-PAA-B	PP (single port)	Polypropylene	Santoprene
PD05P-BPS-PTT-B	PP (single port)	Polypropylene	PTFE

1" Pro Series Diaphragm Pumps

- Maximum flow: 133 L/min
- Volume per cycle: 0.602 L
- Max. air inlet pressure: 8.3 bar
- Max. air consumption: 82 Nm³/h
- Air inlet: 1/4" NPTF
- Fluid inlet: 1" BSP central thread 1" ANSI/DIN central or lateral flange
- Fluid outlet: 1" BSP central thread 1" ANSI/DIN central or lateral flange
- Suspended solids: max. Ø 3.2mm



Aluminum or Cast Iron Motor

Product Code	Wetted Part	Seat	Ball & Diaphragm
666120-144-C	Aluminium	Aluminium	PTFE
666120-322-C*	Aluminium	Polypropylene	Buna N
666120-344-C*	Aluminium	Polypropylene	PTFE
666120-3EB-C*	Aluminium	Polypropylene	Santoprene
66612C-322-C*	Cast Iron	Polypropylene	Buna N

*ATEX II 2 GD Certification

1.1/2" Pro Series Diaphragm Pumps

- Maximum flow: 340 L/min
- Volume per cycle: 2.65 L (Metallic), 2.54 L (Non Metallic)
- Max. air inlet pressure: 8.3 bar
- Max. air consumption: 252 Nm³/h
- Air inlet: 1/2" NPTF
- Fluid inlet/outlet: 1.1/2" ANSI pipe flange or BSP thread
- Suspended solids: max. Ø 6.4mm



Aluminum or Cast Iron Motor (Non-Metallic)

Product Code	Wetted Part	Seat	Ball & Diaphragm
6661T3-344-C	Polypropylene	Polypropylene	PTFE

Aluminum or Cast Iron Motor (Metallic)

Product Code	Wetted Part	Seat	Ball & Diaphragm
666170-322-C*	Aluminium	Polypropylene	Buna N
666170-3EB-C*	Aluminium	Polypropylene	Santoprene
66617B-244-C*	Stainless Steel	Stainless Steel	PTFE

*ATEX II 2 GD Certification

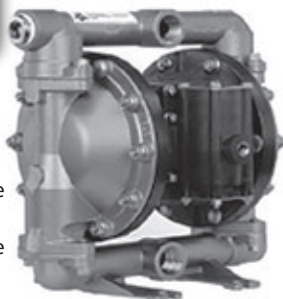
FOR HOSE TAILS, SEE SECTION 8



1" EXP Series Diaphragm Pumps

- Maximum flow: 197.6 L/min
- Volume per cycle: 0.94 L
- Max. air inlet pressure: 8.3 bar
- Max. air consumption: 83 Nm³/h
- Air inlet: 1/4" NPTF
- Fluid inlet: 1" BSP central
1" ANSI/DIN central or lateral flange
- Fluid outlet: 1" BSP central
1" ANSI/DIN central or lateral flange
- Suspended solids: max. Ø 3.2mm

NEW



Aluminium Air Motor

Product Code	Wetted Part	Seat	Ball & Diaphragm
PD10A-BAP-AAA*	Aluminium	Santoprene	Santoprene
PD10A-BAP-FTT*	Aluminium	Aluminium	PTFE
PD10A-BAP-GGG*	Aluminium	Nitrile	Nitrile

*ATEX II 2 GD Certification

1.1/2" EXP Series Diaphragm Pumps

- | | Metallic | Non Metallic |
|----------------------------|--|--|
| • Maximum flow: | 465 L/min | 465 L/min |
| • Volume per cycle: | 2.65 L | 2.2 L |
| • Max. air inlet pressure: | 8.3 bar | 8.3 bar |
| • Max. air consumption: | 255 Nm ³ /h | 250 Nm ³ /h |
| • Air inlet: | 1/2" NPTF | 1/2" NPTF |
| • Fluid inlet/outlet: | 1.1/2" DIN central flange
1.1/2" BSP thread central and lateral | 1.1/2" ANSI / DIN central or lateral pipe flange |
| • Suspended solids: | max. Ø 6.4mm | max. Ø 6.4mm |

NEW



Polypropylene Motor (Non-Metallic)

Product Code	Wetted Part	Seat	Ball & Diaphragm
PD15P-FKS-KTT	Kynar	Kynar	PTFE
PD15P-FPS-PTT	Polypropylene	Polypropylene	PTFE
PD15P-YPS-PAA	Polypropylene	Polypropylene	Santoprene
PD15P-YPS-PTT	Polypropylene	Polypropylene	PTFE

Polypropylene Motor (Metallic)

Product Code	Wetted Part	Seat	Ball & Diaphragm
PD15A-BAP-AAA*	Aluminium	Santoprene	Santoprene
PD15A-BAP-FTT*	Aluminium	Aluminium	PTFE
PD15A-BAP-GGG*	Aluminium	Nitrile	Nitrile
PD15A-BCP-GGG*	Cast Iron	Nitrile	Nitrile
PD15R-BSS-STT	Stainless Steel	Stainless Steel	PTFE

*ATEX II 2 GD Certification

2" EXP Series Diaphragm Pumps

- Maximum flow: : 651 L/min (Metallic), 697 L/min (Non Metallic)
- Volume per cycle: : 5.3 L
- Max. air inlet pressure: 8.3 bar
- Max. air consumption: 252 Nm³/h
- Air inlet: 3/4" NPTF
- Fluid inlet/outlet: 2" BSP Thread (Metallic),
2" ANSI/DIN lateral Flange (Non Metallic)
- Suspended solids: max. Ø 6.4mm

NEW



Polypropylene/Aluminum Motor (Non-Metallic)

Product Code	Wetted Part	Seat	Ball & Diaphragm
PD20P-FPS-PTT	Polypropylene	Polypropylene	PTFE

Polypropylene/Aluminum Motor (Metallic)

Product Code	Wetted Part	Seat	Ball & Diaphragm
PD20A-BAP-AAA-B*	Aluminium	Santoprene	Santoprene
PD20A-BAP-GGG-B*	Aluminium	Geolast	Geolast
PD20A-BCP-GGG-B*	Cast Iron	Geolast	Santoprene
PD20A-BSS-STT-B*	Stainless Steel	Stainless Steel	PTFE

3" EXP Series Diaphragm Pumps

- Maximum flow: 1042 L/min
- Volume per cycle: 10.6 L
- Max. air inlet pressure: 8.3 bar
- Max. air consumption: 288 Nm³/h
- Air inlet: 3/4" NPTF
- Fluid inlet: 3" BSP thread
- Fluid outlet: 3" BSP thread
- Suspended solids: max. Ø 9.52mm

NEW



Metallic Motor

Product Code	Wetted Part	Seat	Ball & Diaphragm
PD30A-BAP-AAA-C*	Aluminium	Santoprene	Santoprene
PD30A-BAP-GGG-C*	Aluminium	Geolast	Geolast
PD30A-BAP-STT-C*	Aluminium	Aluminium	PTFE

*ATEX II 2 GD Certification

Speciality 2" Flap Valve Diaphragm Pumps

NEW



- Maximum flow: 651 L/min
- Volume per cycle: 5.3 L
- Max. Outlet Pressure: 8.3 bar
- Max. air consumption: 252 Nm³/h
- Air inlet (female): 3/4"-14 NPTF-1
- Fluid inlet/outlet: Rp2 (2-11-BSP, parallel)
- Suspended solids: max. Ø 51mm
- Uses top-suction porting design, ideal for pump abrasives and large particles because it uses gravity to assist in draining solids from the pump
- Reliability - patented "unbalanced" air valve ensures no-stall operation

Metallic Motor

Product Code	Wetted Part	Seat	Ball & Diaphragm
PF20A-BAP-SGG-B*	Aluminium	Stainless Steel	Geolast

Speciality Diaphragm Powder Pumps

	1"	2"	3"
Max. air inlet pressure:	3.4 bar	3.4 bar	3.4 bar
Max. Fluidizing pressure:	6.9 bar	6.9 bar	6.9 bar
Air inlet:	1/4" NPT	3/4" NPT	3/4" NPT
Suspended solids max. Ø:	4mm	6.4mm	9.5mm

- For the consistent trouble free transfer of powders up to 800 kgs. per cubic meter dry-weight. Including: carbon black, expanded mica, silicones, acrylic resins and pharmaceuticals

NEW



Metallic Motor

Product Code	Wetted Part	Seat	Ball & Diaphragm
PP10A-BAS-AAA	Aluminium	Santoprene	Santoprene
PP20A-BAS-AAA	Aluminium	Santoprene	Santoprene
PP30A-BAS-AAA	Aluminium	Santoprene	Santoprene
PP30A-BSS-AAA	Stainless Steel	Santoprene	Santoprene

Agitators

NEW

- Agitators available for both 20 L and 200 L containers. Air operated agitator motors generate between 500-1000 RPM (for 20 L model), and 500-3000 RPM (for 200 L model). Agitator shaft and propellers are constructed of corrosion resistant 316 stainless steel.



Agitators

Product Code	Power CV	Mounting	For Drum	Speed Tr/min	Ø Propeller
651100	0,25	-	20 L	500 - 1000	102
651103	0,75	Bracket	200 L	300 - 3000	127
651104-3	0,75	Flange	20 L	300 - 3000	127
651104-1	0,75	Flange	200 L	300 - 3000	127
651105-EU	0,50	-	200 L	1100	120

Pulsation Dampeners

	SB20X	SB10X
• Max. Op. Pressure:	8.3 bar	6.9 bar
• Max. Materiel Inlet Pressure:	8.3 bar	6.9 bar
• Max. Fluid Volume:	3.18 L	0.93 L
• Air Inlet:	3/4"-14 NPT (female)	3/8"-18 NPT (male)
• Inlet/Outlet Fluid:	2" NPTF 2" BSP	1" NPTF 1" BSP

- Perfect for process applications- pulsation reduction in long piping runs help prevent costly fluid pipe and downstream valve damage
- Bolted construction for leak free vessel integrity and a safer work site
- Ultra rugged construction for long service life, both inside and out, the shock absorbers are built tough to deliver worry-free, near pulse-free fluid handling

NEW



Product Code	Type	Wetted Part	Diaphragm
SB10P-BPS-A	1"	Polypropylene (Glass Filled)	Santoprene
SB10D-BDS-T	1"	Conductive Acetal	PTFE
SB20A-BAP-T	2"	Aluminium	PTFE

FOR HOSE CLAMPS, SEE SECTION 11





PUMP SELECTION KEY

HUSKY DESIGNATION

Diaphragm Pump Designation

Part numbers are located on ID tag on center section of all Husky diaphragm pumps.

D Diaphragm Pump **X** Pump Size **X** Wetted Parts **X** Seats **X** Balls/Checks **X** Diaphragms

Pump Size (Air Motor Type & Material)	Wetted Parts	Seats	Balls	Diaphragm
1 = 1/4" (6.35mm) standard: polypropylene center section	1 = Acetal (NPT)	2 = Acetal	1 = PTFE (Teflon)	1 = PTFE (Teflon)
2 = 1/4" (6.35mm) remote: polypropylene center section	2 = Poly (NPT)	3 = Stainless Steel	2 = Acetal	5 = Hytrel
3 = 3/8" (9.52mm) standard: aluminum center section	3 = Aluminium (NPT)	4 = Hardened SST	3 = Stainless Steel	6 = Santoprene
5 = 1/2" (12.7mm) standard: aluminum center section	4 = Stainless Steel (NPT)	5 = Hytrel	4 = Hardened SST	7 = Buna N
4 = 1/2" (12.7mm) remote: polypropylene center section	5 = Kynar (NPT)	6 = Santoprene	5 = Hytrel	8 = Viton
5 = 3/4" (19.05mm) standard: polypropylene center section	6 = Ductile Iron (NPT)	7 = Buna N	6 = Santoprene	G = Geolast
4 = 3/4" (19.05mm) remote: polypropylene center section		8 = Viton	7 = Buna N	
B = 1-1/2" (38.1mm) standard: aluminum center section	A = Acetal* (BSP)	9 = Polypropylene	8 = Viton	
C = 1-1/2" (38.1mm) remote: aluminum center section	B = Poly* (BSP)	A = Kynar	9 = Polypropylene	
T = 1-1/2" (38.1mm) standard: stainless steel center section	C = Aluminium (BSP)	G = Geolast	A = Kynar	
U = 1-1/2" (38.1mm) remote: stainless steel center section	D = Stainless Steel (BSP)		G = Geolast	
F = 2" (50.8mm) standard: aluminum center section	E = Kynar (BSP)	B = SST with Viton seal		
G = 2" (50.8mm) remote: aluminum center section	F = Ductile Iron (BSP)	C = Santoprene with Viton seal		
V = 2" (50.8mm) standard: stainless steel center section				
W = 2" (50.8mm) remote: stainless steel center section	H = 2 NPT Alum Extended			
K = 3" (76.2mm) standard: aluminum center section	G = 2 BSP Alum Extended			
	S = Food Grade FDA			

*= BSP plastic in 1/2" (12.7mm) pumps.

≥1" plastic pumps flange connections.

3" aluminium pumps flange connections.

Diaphragm Pump Kit Designation

When selecting a kit, use the same code numbers as for the pumps regarding pump size, seat, ball/checks and diaphragm.

D Diaphragm Pump **O** Kit **X** Pump Size **X** Seats **X** Balls/Checks **X** Diaphragms

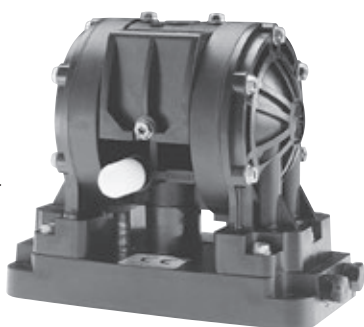
PUMP SIZE	SEATS	BALLS/CHECKS	DIAPHRAGM
1 = 1/4" (6.35mm)	0 = No seat	1 = PTFE (Teflon)	1 = PTFE (Teflon)
3 = 3/8" (9.52mm)	2 = Acetal	2 = Acetal	5 = Hytrel
5 = 1/2" (12.7mm) and 3/4" (19.05mm)	3 = Stainless Steel	3 = Stainless Steel	6 = Santoprene
7 = 1" (25.4mm) metal pump	4 = Hardened SST	4 = Hardened SST	7 = Buna N
8 = 1" (25.4mm) plastic pump	5 = Hytrel	5 = Hytrel	8 = Viton
B = 1-1/2" (38.1mm) metal pump	6 = Santoprene	6 = Santoprene	G = Geolast
C = 1-1/2" (38.1mm) plastic pump	7 = Buna N	7 = Buna-N	
F = 2" (50.8mm) metal pump	8 = Viton	8 = Viton	0 = No Diaphragm
G = 2" (50.8mm) plastic pump	9 = Poly	9 = Poly	
K = 3" (76.2mm)	A = Kynar	A = Kynar	
	B = SST with Viton seal	G = Geolast	
	C = Santoprene with Viton seal		
	G = Geolast	0 = No Balls/Checks	



AIR OPERATED DOUBLE DIAPHRAGM PUMPS

Husky 205

- 1/4" (6.35mm) end porting
- Low-cost, compact design
- Spring check valves for superior priming in any mounting configuration
- True-formed Teflon and Santoprene diaphragms for enhanced performance
- Can also be remotely controlled using an external controller
- Delivery up to 5gpm (18.93 lpm)



Typical Applications:

- OEMs
- Printing
- Waste water
- Plating/surface finishing

Typical Fluids Handled:

- Waterborne materials, some HHCs
- Paints, coatings, inks and dyes
- Car wash chemicals
- Laundry chemicals and detergents
- Chemicals
- Ink

Technical data sheet available on request.

Product Code	Pump Body	Seats	Balls	Diaphragms
D12091	Polypropylene	-	Polyprop	Teflon
D11021	Acetal	-	Acetal	Teflon
D11026	Acetal	-	Acetal	Santoprene

Husky 515

- 1/2" (12.7mm) center porting and 3/4" (19.05mm) end porting
- No seals to leak or fail
- Quiet running: less than 85 dBA with easy-to-use remote muffler capability for even lower noise levels
- High flow rates in a small, portable package
- Can also be remotely controlled using an external controller
- Delivery up to 15 gpm (56.88 lpm)



Typical Applications:

- Machine lube servicing
- Drum evacuation
- Plating and dip tanks
- Water treatment

Typical Fluids Handled:

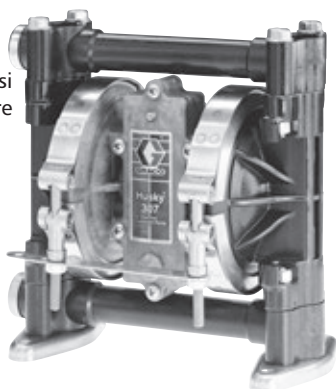
- Cleaning fluids and detergents
- Chemicals
- Ceramic glazes
- Inks
- Solvents and flammables
- Acids and bases

Technical data sheet available on request.

Product Code	Pump Body	Seats	Balls	Diaphragms
D5B966	Polypropylene	Polyprop	Santoprene	Santoprene
D5B911	Polypropylene	Polyprop	Teflon	Teflon
D5A211	Acetal	Acetal	Teflon	Teflon
D5A277	Acetal	Acetal	Buna N	Buna N
D5C277	Aluminium	Acetal	Buna N	Acetal

Husky 307

- 3/8" (9.52mm) end porting
- Fully-groundable acetal model
- Delivery up to 7gpm (26.5 lpm)
- Operates on as little as 20 psi (1.4 bar, 0.14 MPa) air pressure
- Easy-to-service air valve and ball checks
- Quiet operation: 75 dBA at 50 psi (3.5 bar, 0.35 MPa) and 60 cpm



Typical Applications:

- Drum transfer for fluids up to 1,000 centipoise
- Circulation of low viscosity inks, stains and dyes
- Coolant circulation and evacuation
- Waste fluid removal
- On demand batch chemical metering
- Low viscosity adhesive supply
- Consistent low pressure air spray or HVLP supply

Typical Fluids Handled:

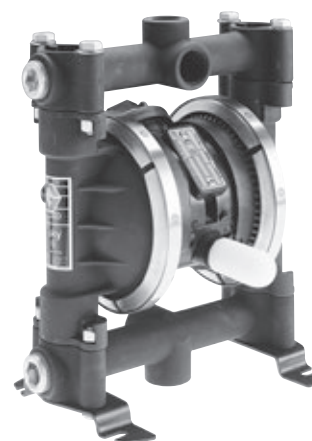
- Paints
- Lubricants
- Inks
- Stains
- Solvents
- Coatings
- Dyes

Technical data sheet available on request.

Product Code	Pump Body	Seats	Balls	Diaphragms
D3B911	Polypropylene	Polyprop	Teflon	Teflon
D3B955	Polypropylene	Polyprop	Hytrel	Hytrel
D3A211	Acetal	Acetal	Teflon	Teflon
D3A255	Acetal	Acetal	Hytrel	Hytrel

Husky 716

- 3/4" (19.05mm) center and end porting
- No seals to leak or fail
- Quiet running: less than 85 dBA with easy-to-use remote muffler capability for even lower noise levels
- High flow rates in a small, portable package
- Can also be remotely controlled using an external controller
- Delivery up to 16gpm (60.87 lpm)



Typical Applications:

- Machine lube servicing
- Cleaning fluids and detergents
- Plating and dip tanks
- Water treatment

Typical Fluids Handled:

- Oil
- Water
- Most solvents

Technical data sheet available on request.

Product Code	Pump Body	Seats	Balls	Diaphragms
D5C277	Aluminium	Acetal	Buna N	Buna N
D5D331	Stainless	Stainless	Teflon	Teflon
D5C377	Aluminium	Stainless	Buna N	Buna N

Husky 1050

A Complete Family of 1 inch (25.4 mm) Air-Operated Double Diaphragm Pumps

- 30% more efficient than the market leaders
- 20% increase in fluid flow compared to the Husky 1040
- Up to 5 times longer diaphragm life compared to other diaphragm pumps in its class
- Expanded material offering to handle endless applications
- Modular Air Valve: Stall-free, low pulsation operation provides smooth and rapid changeover
- One-Piece Center Section: Eliminates air leaks for more efficient operation
- Longer Diaphragm Life: Up to 5x longer diaphragm life for less maintenance and downtime
- Four Bolt Joint Design: Bolted design provides even sealing pressure for leak-free operation
- Multiple Ports: Increased number of ports for installation flexibility



NEW

Optional Features:

- DataTrak™: Runaway protection Tracks material usage
- Pulse Output: Cycle count capability

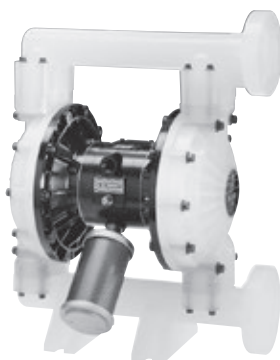
Specifications:

- Maximum fluid working pressure: 125 psi (8.6 bar, 0.86 MPa)
- Air pressure operating range: 20-125 psi (1.4-8.6 bar, 0.14-0.86 MPa)
- Maximum free-flow delivery: 50 gpm (189 lpm)
- Maximum suction lift: 16 ft (4.9 m) dry, 29 ft (8.8 m) wet

Product Code	Pump Body	Seats	Balls	Diaphragms
649034	Polypropylene	Polyprop	Teflon	Teflon
649378	Stainless	Stainless	Teflon	Teflon
647121	Aluminium	Geolast	Geolast	Geolast
651032	Stainless	Stainless	Teflon	Teflon
647097	Aluminium	Hytrel	Acetal	Hytrel

Husky 1590

- 1-1/2" (38.1mm) ANSI end porting
- High flow, 100gpm (378 lpm) in a compact, portable size
- Fluid pressure to 120 psi (8.4 bar, 0.84 MPa)
- Patented, high-reliability closed center air valve is online serviceable
- Lube free operation
- Epoxy coated air section for tough environmental conditions
- Can also be remotely controlled using an external controller



Typical Fluids Handled:

Typical Applications:

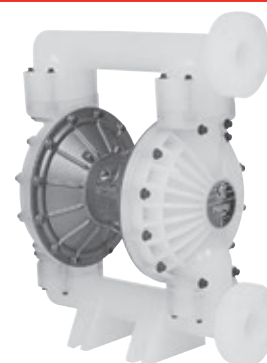
- Latex
- Corrosive fluids
- Acids: hydrochloric, ferric, sulfuric, nitric and phosphoric
- Slurries: petroleum, lime, clay, ferrite, salt/brine and pumice
- Sludge: secondary and clarifier
- Pottery slip
- Filter press
- Tank stripping
- Bilge pumping
- Sand and ball mill pumping
- Oil transfer and oil skimming
- Chemical plating

Technical data sheet available on request.

Product Code	Pump Body	Seats	Balls	Diaphragms
D5C277	Aluminium	Acetal	Buna N	Buna N
D5D331	Stainless	Stainless	Teflon	Teflon
DB2911	Polypropylene	Polypropylene	Teflon	Teflon
DBC555	Aluminium	Hytrel	Hytrel	Hytrel
DBC666	Aluminium	Geolast	Geolast	Geolast

Husky 2150

- 2" (50.8mm) ANSI end porting
- Larger ports for more flow, up to 150gpm (568 lpm)
- Fluid pressure to 120 psi (8.4 bar, 0.84 MPa)
- Patented, high-reliability closed center air valve is online serviceable
- Lube-free operation
- Epoxy coated air section for tough environmental conditions
- Can also be remotely controlled using an external controller



Typical Applications:

- Drum fluid transfer
- Bulk fluid supply
- Chemical evacuation
- Ground water and sump evacuation
- Waste fluid removal
- Tank and bilge drainage
- Slurry and sludge transfer
- Filter press feed

Typical Fluids Handled:

- Acids, alkalies, solvents, suspensions, dispersions, electroplating baths, paints, varnishes, resins, latex, adhesives, effluent sludge and stabilizers
- Ship cleaning and stripping chemicals

Technical data sheet available on request.

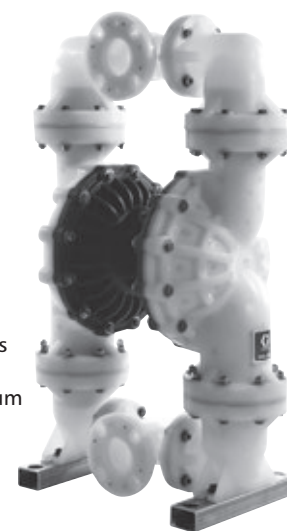
Product Code	Pump Body	Seats	Balls	Diaphragms
DFC325	Aluminium	Stainless	Acetal	Hytrel
DFD311	Stainless	Stainless	Teflon	Teflon
DF2911	Polypropylene	Polypropylene	Teflon	Teflon
DFCGGG	Aluminium	Geolast	Geolast	Geolast

Husky 3300

NEW

Heavy-duty 3-inch pump with large flow paths for fluid transfer applications, including high-viscosity materials. For professional use only.


- 125 psi (0.86 MPa, 8.6 bar) Maximum Working Pressure, Aluminum or Stainless Steel Pumps with Aluminum Center Section
- 100 psi (0.7 MPa, 6.9 bar) Maximum Working Pressure, Polypropylene or Stainless Steel Pumps with Polypropylene Center Section
- Maximum fluid working pressure: Aluminum or Stainless Steel with Aluminum Center Section: 125 psi (0.86 MPa, 8.6 bar) Polypropylene or Stainless Steel with Polypropylene Center Section: 100 psi (0.7 MPa, 7 bar)



Product Code	Pump Body	Seats	Balls	Diaphragms
652002	Aluminium	Hytrel	Acetal	Hytrel
652021	Aluminium	Stainless	Teflon	Teflon

Twistork Agitators

- Maximum Recommended Agitator Speed: 800 rpm
- Air Consumption:
At 800 rpm with 100 psi (7 bar) air inlet pressure: 5 scfm (0.14 m/min.)
At 400 rpm with 100 psi (7 bar) air inlet pressure: 2 scfm (0.06 m/min.)

 **Max. Working Pressure:**
100 psi (7 bar)


NEW

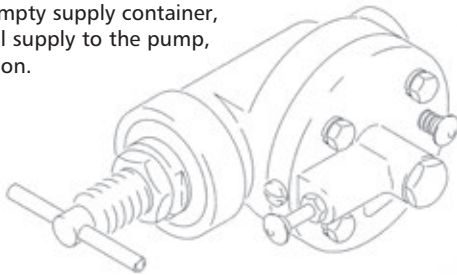


Product Code	Description
224-854	Carbon Steel Agitator
235-534	Stainless Steel Agitator

Pump Runaway Valve

Shuts off air supply to the pump if the pump accelerates beyond the pre-adjusted setting due to an empty supply container, interrupted material supply to the pump, or excessive cavitation.

 **Max. Working Pressure:**
180 psi (13 bar)



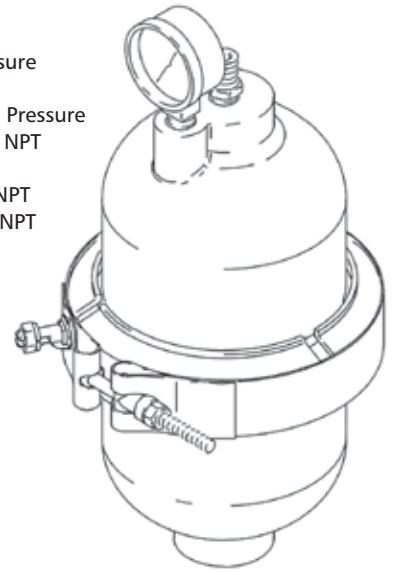
Product Code	Description
224-040	Runaway Valve

Pulsation Dampeners

For control of pressure fluctuations and acceleration loss, preventing cavitation.
For professional use only.

- 120 psi (0.8 MPa, 8 bar)
Maximum Air Input Pressure
- 120 psi (0.8 MPa, 8 bar)
Maximum Fluid Working Pressure
- Air line connection: 1/4" NPT
- Fluid Inlet size:
Husky 2000 models: 2" NPT
Husky 750 models: 3/4" NPT

NEW



Product Code	Description
239-121	Husky 750 Polyprop/PTFE
239-096	Husky 750 Polyprop/Buna
239-123	Husky 750 Stainless/PTFE
239-092	Husky 2000 Polyprop/Buna
239-128	Husky 2000 Polyprop/PTFE
239-126	Husky 2000 Stainless/PTFE

FOR FILTER REGULATORS, SEE SECTION 10



SERVICE KITS

Fluid & Air Motor Kits



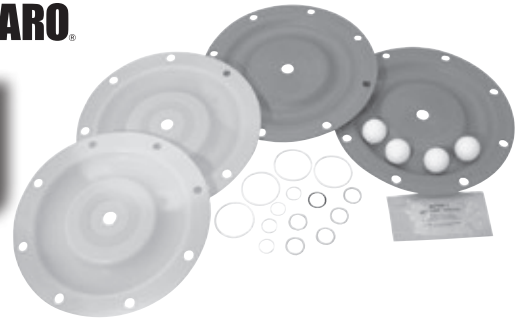
Fluid

Product Code	To Suit
D01021	D11021
D01096	D12096
D03211	D3A211
D03911	D3B911
D05966	D5B966
D05911	D5B911
D05277	D5C277
D05311	D5D311
D07GGG	D7CGGG
D07311	D7C311
D0BGGG	DBC GGG
D0B311	DBD311
D0GGGG	DFCGGG
D0G666	DFC666
215-964	226-941
213-013	226-942
224-403	224-350
224-889	224-350
208-520	218-956

Air Motor

Product Code	To Suit
238-853	Husky 205
239-952	Husky 307
241-657	Husky 515 & 716
236-273	Husky 1040, 1590 & 2150
214-584	Fast-Flo
206-728	Monark
24B768	Husky 1050

ARO Kits for Expert Series Pumps



Choose the correct Fluid Kit by filling in the X with the options below:

- T - Teflon
- A - Santoprene
- C - Hytrel
- G - Nitrile
- S - Stainless Steel
- V - Viton

3/8"

To Suit	Fluid Kit Code	Air Motor Kit Code
PD03P-XXX-XXX	637429	637428

1/2"

To Suit	Fluid Kit Code	Air Motor Kit Code
PD05P-XXX-XXX-X	637427-XX	637428
PD05R-XXX-XXX-X	637427-XX	637428

3/4"

To Suit	Fluid Kit Code	Air Motor Kit Code
PD07P-XXX-XXX	637427-XXX	637428
PD07R-XXX-XXX	637427-XXX	637428

1"

To Suit	Fluid Kit Code	Air Motor Kit Code
PD10A-XXX-XXX	637401-XX	637397
PD10P-XXX-XXX	637396-XX	637397
PD10R-XXX-XXX	637401-XX	637397
PD10S-XXX-XXX	637401-XX	637397

1.1/2"

To Suit	Fluid Kit Code	Air Motor Kit Code
PD15A-XXX-XXX	637375-XX	637389
PD15P-XXX-XXX	637391-XX	637389
PD15R-XXX-XXX	637375-XX	637389

2"

To Suit	Fluid Kit Code	Air Motor Kit Code
PD20A-XXX-XXX	637309-XX	637421
PD20P-XXX-XXX	637373-XX	637369

3"

To Suit	Fluid Kit Code	Air Motor Kit Code
PD30A-XXX-XXX	637303-XX	637421

Aro Pro series pump service kits available on request.

FOR VALVES, SEE SECTION 8



IR ARO PISTON PUMPS

Piston Pumps

NEW

- Thunder = Oil Pump
- Integrity = 2 balls pump New Generation
- Stinger = 4 balls pump, high flow, New Generation
- N-Serie = 2 balls pump New Motor 2 & 3"



Lube Pumps for 200 L Drum

Product Code	Type	Ratio	Max Flow L/min	L/cycle	Seal	Air Inlet NPT	Fluid Outlet F	Motor
612041-3	-	1:1	34.1	0.31	PTFE	1/4"	3/4" NPT	2"
AF0409A51FF24-02	AFX	9:1	10.8	0.18	UHMW-PE	1/2"	3/4" NPT	4.1/4"
LM2203A-42-C	Thunder	3:1	23	0.1	Buna-N	1/4"	1/2" BSP	2"
LM2305A-42-B	Thunder	5:1	22.7	0.13	Buna-N	1/4"	1/2" BSP	3"

Lube Pumps for 60 L Drums

Product Code	Type	Ratio	Max Flow L/min	L/cycle	Seal	Air Inlet NPT	Fluid Outlet F	Motor
AF0409A43PFL	AFX	1:1	10.8	0.18	UHMW-PE	1/2"	3/4" NPT	4.1/4"
LM2203A-32-C	Thunder	3:1	23	0.1	Buna-N	1/4"	1/2" BSP	2"
LM2305A-32-B	Thunder	5:1	22.7	0.13	Buna-N	1/4"	1/2" BSP	3"

Lube Pump for 12.5 kg-18 kg Kegs/Drums

Product Code	Description
LM2350E-21-B	50:1 Grease Pump

Chop Check Extrusion Pumps

NEW

- Full range available on request.



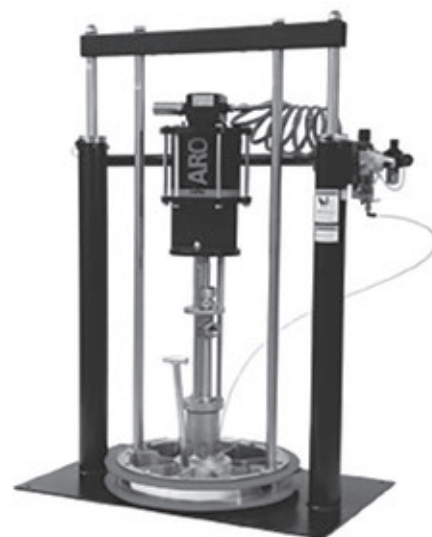
High Flow – High Pressure

Product Code	Ratio	Upper Packing	Air Motor	Flow Rate
AF0412S11FF47-1	12:1	PEHD	4 1/4"	12.3 l/min. @ 60 cycles/min.
AF0813S11FF44-1	13:1	PEHD	8"	46.3 l/min. @ 70 cycles/min.
AF1020S11FF44-1	20:1	PEHD	10"	39.7 l/min. @ 70 cycles/min.
AF0423S11FF47-1	23:1	PEHD	4 1/4"	6.9 l/min. @ 60 cycles/min.
AF0623S11FF47-1	23:1	PEHD	6"	12.3 l/min. @ 60 cycles/min.
AF0828S11FF47-1	28:1	PEHD	8"	22.7 l/min. @ 60 cycles/min.
AF1230S11FF44-1	30:1	PEHD	12"	46.3 l/min. @ 70 cycles/min.
AF0844S11FF47-1	44:1	PEHD	8"	14.3 l/min. @ 70 cycles/min.
AF1044S11FF47-1	44:1	PEHD	10"	22.9 l/min. @ 70 cycles/min.
AF0646S11FF47-1	46:1	PEHD	6"	6.9 l/min. @ 60 cycles/min.
AF0665S11FF47-1	65:1	PEHD	6"	5.1 l/min. @ 60 cycles/min.
AF1265S11PF17-1	65:1	PEHD	12"	22.9 l/min. @ 70 cycles/min.

Ram Packages

NEW

- Full range available on request.



FOR MANUAL PUMPS, SEE SECTION 7



AIR-OPERATED PISTON TRANSFER PUMPS

1:1 Fast-Flo®

- Air powered for high reliability and low cost
- Delivery up to 5 gpm (19 lpm)
- Plate (flat) check options for lower viscosity fluids
- UL options available when installed in accordance with NFPA

Typical Applications:

- Transfer from drum to day tank
- Continuous or dead end transfer
- Low viscosity spray adhesive supply
- Supply pump for air spray and HVLP (high volume low pressure) spray applications of coatings and wood finishing materials

Typical Fluids Handled:

- Antifreeze
- Windscreen washer solvent
- Automatic transmission fluid
- Motor and hydraulic oil
- General chemicals
- Thinners and solvents
- Light viscosity coatings
- Spray adhesives and finishes



Technical data sheet available on request.

Product Code	Construction	Packing
226-940	Drum/CS/SST (UL, CE)	T&L
226-941	Drum/CS/SST (UL)	PE
226-942	Drum/SST	PE
226-943	Stubby/CS/SST (UL)	L
226-944	Stubby/CS/SST (UL, CE)	PE
226-945	Stubby/SST (UL, CE)	PE
237-129	Drum/SST (UL, CE)	T
237-130	Stubby/CS	L
237-131	Stubby/CS	T
237-132	Stubby/CS	T
237-133	Drum/CS	L
237-134	Drum/CS (UL)	T

5:1 Monark®

- Handles applications ranging from cleaning to corrosive fluid transfer
- Air powered for high reliability and low cost
- Delivery up to 2.5gpm (9.46 lpm) at up to 900 psi (62 bar, 6.2MPa)
- Stainless steel or carbon steel models to suit every production application

Typical Applications:

- Fluid transfer and supply
- Paint circulating
- Cleaning chemical supply

Typical Fluids Handled:

- Solvent borne paints (CS models)
- Waterborne paints (SST models)
- Texture coatings
- Cleaning fluids
- Adhesives and sealants



Technical data sheet available on request.

Product Code	Construction	Packing
218-956	Drum/CS	T
224-343	Stubby/SST	UHMWPE/T
224-345	Stubby/SST	UHMWPE/N
224-350	Drum/SST	UHMWPE/T

10:1 President®

- Reliable medium pressure supply
- Pressure output capacity of 1800 psi (125 bar, 12.5 MPa)
- 2 ball check pump operation for uniform flow
- Excellent abrasion and corrosion resistance using Graco Severe Duty® wear parts
- Divorced air motor eliminates fluid and fume contamination, reducing maintenance

Typical Applications:

- Texture spraying
- Adhesive supply
- Cleaning

Typical Fluids Handled:

- Textured materials
- Adhesives and sealants
- Polyester
- Water



Technical data sheet available on request.

Product Code	Construction	Packing
224-342	Stubby/SST	UHMWPE/T
224-346	Stubby/SST	N
224-347	Stubby/SST	N
224-348	Drum/SST	UHMWPE/T

FOR PRESSURE GAUGES, SEE SECTION 8



OIL PUMPS

Air Operated Oil Pumps



1:1 ratio pumps suitable for pumping short distances at high flow rate. Fitted with Viton seals and a special flap valve making them particularly suitable for antifreeze as well as oils.

3:1 ratio pumps suitable for pumping medium distances or through one hose reel. Fitted with NBR particularly suited to most grades of oils.

5:1 ratio pumps suitable for pumping long distances or through multiple hose reels. Fitted with NBR particularly suited to most grades of oils.

All pumps suitable for 205 ltr drums are supplied with 2" BSP bung adaptor. Stub pumps are supplied with 1.1/4" hose tail inlet and are suitable for wall mounting with appropriate bracket.

Product Code	Ratio	Description	Litres Per Minute
OA32070	1:1	Stub Pump	23
OA32073	1:1	205 Ltr Drums	23
OA32170	1:1	Stub Pump	40
OA32173	1:1	205 Ltr Drums	40
OA20001	3:1	Stub Pump	14
OA20096	3:1	205 Ltr Drums	14
OA21100	5:1	Stub Pump	18
OA21096	5:1	205 Ltr Drums	18



Bung Adaptor

For mounting pumps in tanks or drums. The unit comes with one flexible steel band, to guarantee perfect clamping of the pump to tank or drum.

A special spanner is supplied with the unit for clamping and releasing the adaptor easily.

Only for use with Raasm pumps.



Product Code	Diameter
OA22155	42 mm

Steel Wall Bracket & Bung Adaptor

Only for use with Raasm pumps.



For pumps with a 42mm diameter tube.

Product Code	Suitable For
OA22242	3:1 & 5:1 Pumps
OA32200	1:1 Pumps

Air Operated Oil Stub Pumps



A personalised down tube can be fitted using whatever length of 1" BSP tube is required to suit the tank. The pump is supplied complete with a 2" bung adaptor kit and a KR3308 foot valve and filter.



14 L/m 3:1 Ratio Air Operated Oil Stub Pump

Product Code	Description
OA20101	3:1 Oil Pump
OA20101A	c/w Riser Tube for 4' (1220mm) Tank
OA20101B	c/w Riser Tube for 5' (1524mm) Tank



A personalised down tube can be fitted using whatever length of 1" BSP tube is required to suit the tank. The pump is supplied complete with a 2" bung adaptor kit and a KR3308 foot valve and filter.



18 L/m 5:1 Ratio Air Operated Oil Stub Pump

Product Code	Description
OA21101	5:1 Oil Pump
OA21101A	c/w Riser Tube for 4' (1220mm) Tank
OA21101B	c/w Riser Tube for 5' (1524mm) Tank

Raasm repair kits available on request.

Suction Hose

2 metres of 1.1/4" suction hose for wall mounted pumps. Complete with two hose clamps.

Only for use with Raasm pumps.



Product Code
OA22271

Suction Tube

Rigid suction tube for wall mounted pumps. Length: 940mm. Diameter: 42mm. Comes complete with hose adaptor, foot valve and filter.

Only for use with Raasm pumps.



Product Code	Suitable For
OA22269	205 ltr Drums
OA22270	Tanks

LD Series Oil Pumps



Three Inch Air Motor, provides more power to create better flow. NXT Air Valve, designed to reduce icing in continuous use applications and uses less air than competitive pumps for better efficiency.

Connections:

- Air Line 1/4" BSP
- Fluid Outlet 1/2" BSP
- Inlet 1" BSP

900mm plastic down tube (can be cut down as required).

NEW



Product Code	Ratio	Litres Per Minute
24G581	3:1	9.8L/m
24G593	5:1	7.6L/m

Fire-Ball Oil Pumps



Features and Benefits

- Non-corrosive air motor design for long life (metal parts are made of stainless steel, aluminium and chrome)
- No metal-to-metal contact means longer pump life and ensures pump will withstand harsh environments
- Double-acting pump provides reliable fluid flow
- Few moving parts translates into low maintenance and low cost of ownership
- Open exhaust port provides continuous operation without icing

Typical Applications

- Medium to low volume and pressure lubricant transfer
- Automotive
- Fleet service facilities
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

- Petroleum and synthetic based oils



Product Code	Description
246-775	3:1 Mini Fire-Ball, Universal
203-876	5:1 Fire-Ball 300, Universal
204-254	5:1 Fire-Ball 300, Universal
237-526	3:1 Fire-Ball 425
238-108	6:1 Fire-Ball 425
205-626	10:1 Fire-Ball 425, Universal
222-095	10:1 Fire-Ball 425, 2051

Oil Pump Repair Kits



The repair kits include spares for the air motor and fluid section of the pump.



Product Code	To Suit
246-918	3:1 Mini Fire-Ball (246775)
238-286	5:1 Fire-Ball (203876)
238-286	5:1 Fire-Ball (204254)
238-751	10:1 Fire-Ball (205626)

FOR TUBING, SEE SECTION 9



GREASE PUMPS

Fire-Ball



Toughest and highest performing grease pump in the industry designed for the most rugged environment.



- Highest performing pump in its class provides ability to pump the toughest greases in cold operating conditions
- Superior throat seal design to reduce leakage
- Polyurethane packings provide a wide range of speciality lubricant compatibility
- Only 4 moving parts in air valve assembly for long-term reliable operation and low cost of repair
- Thick cast aluminium air motor housing for maximum durability and corrosion resistance
- Robust grease inlet cage withstands more abusive handling

The Graco 50:1 Fireball grease pump has earned the reputation as the most durable, reliable and highest performing pump of its size in the industry. In recent tests, the Graco 50:1 Fireball outperformed all tested competitive pumps in both pressure and flow rate performance. This high performance assures maximum flow rate capability when dispensing heavy, thick, tacky greases in cold operating conditions.

The unmatched durability of the Graco 50:1 Fireball starts with the thick cast aluminium air motor housing. Aluminium provides the advantage of being lightweight, tough and corrosion resistant from the airline moisture.

The unique design of the fireball pump has only 4 moving parts in the air valve assembly for long-term reliability designed to handle wet, dirty, grimy air. For added reliability, the throat packing incorporates a polyurethane u-cup design with a hardened steel displacement rod to minimize wear. The robust grease inlet cage on the pump tube lower is designed for abusive environments.

Typical Applications:

- Vehicle maintenance chassis lubrication
- Lube truck field maintenance
- Automatic lubrication of mobile mining equipment
- Industrial in-plant maintenance lubrication

Typical Fluids Handled:

- Chassis grease
- Speciality grease
- Automatic lubrication system grease
- Open gear spray lubricant

Technical data sheet available on request.

Product Code	Description
206-405	15:1 Fire-Ball 300, 16kg
206-699	15:1 Fire-Ball 300, 55kg
206-700	15:1 Fire-Ball 300, 180kg
239-877	50:1 Fire-Ball 300, 16kg
239-887	50:1 Fire-Ball 300, 55kg
239-888	50:1 Fire-Ball 300, 180kg
205-394	50:1 Fire-Ball 425, 55kg
205-395	50:1 Fire-Ball 425, 180kg
239-729	75:1 Fire-Ball 425, 55kg
239-730	75:1 Fire-Ball 425, 180kg

Many other models available.

Air Operated Grease Pumps

- Highly efficient, trouble free air motors of proven design
- Fitted with air filters and sintered bronze exhaust mufflers to ensure quiet operation
- All pumps have double acting pump tubes to achieve maximum efficiency
- The 50:1 pumps are recommended for all normal applications
- The 65:1 pumps are particularly suitable for use with hose reels or where extra performance is required



Raasm repair kits available on request.

Product Code	Ratio	For Use With	Length of Tube
OA11141	50:1	12.5kg Grease Kegs/Drums	410mm
OA11148	50:1	18/25kg Grease Kegs/Drums	480mm
OA11174	50:1	50kg Grease Kegs/Drums	740mm
OA11195	50:1	180kg Grease Kegs/Drums	940mm
OA11274	65:1	50kg Grease Kegs/Drums	740mm
OA11295	65:1	180kg Grease Kegs/Drums	940mm

Grease Pump Repair Kits



Air Motor Kit

Product Code	To Suit
206-728	50:1 Fire-Ball (239888 & 239887), Fire-Ball (203868 & 203869)
214-584	1:1 Fast-Flo (226941)



Fluid Kit

Product Code	To Suit
241-623	50:1 Fire-Ball (239888 & 239887)
204-164	Fire-Ball (203868 & 203869)
215-964	1:1 Fast-Flo (226941)

FOR HOSE REELS, SEE SECTION 11



SECTION

7

FLUID HANDLING EQUIPMENT



Grease Pump Assemblies
Grease Control Valves
Oil Pump Dispensers
Mechanical Hose End Meters
Drum Taps
Rotary Barrel Pumps
Lever Pumps
Gravity Feed Kits
Electric Oil Pumps
Electric Display Flow Meters



GREASE PUMP ASSEMBLIES

Air Operated Grease Pump Assemblies

50:1 ratio air operated grease pump kit with cover, follower plate, carrying handle, HP hose and control valve with swivel (no swivel on OA13027).



Product Code	For Use With
OA13023	12.5 Kg Kegs/Drums
OA13027	18 Kg Kegs/Drums

50:1 ratio air operated grease pump kit with cover, follower plate, trolley, HP hose and control valve.



Product Code	For Use With
OA13029	260/310mm Ø 18 Kg Kegs/Drums
OA13031	300/350mm Ø 25 Kg Kegs/Drums

50:1 ratio air operated grease pump kit with cover, follower plate, trolley, HP hose and control valve for 50kg.

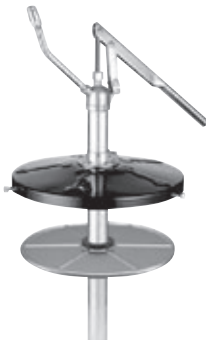


Product Code	For Use With
OA13034	50 Kg Kegs/Drums

Filler Pump

Filler pump for centralised lubrication systems and grease guns. Kit is supplied with: Manual pump 35cc per stroke output. Lid complete with thumb screws. Follower disc.

Grease gun filler tube to connect to 9mm DIN filler nipple. 2 mtr. delivery hose + quick release coupling (ISO-Norm 7241B DN6 1/4").



NEW

Product Code	For Use With
55-1706	12.5 Kg Keg

50:1 ratio air operated grease pump with cover, follower plate, four wheeled trolley, HP hose and control valve.



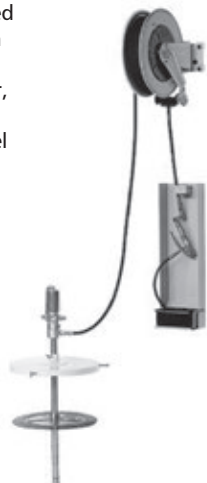
Product Code	For Use With
OA13070	180 Kg Kegs/Drums

50:1 ratio air operated grease pump with cover, follower plate, four wheeled trolley, HP hose, 12 metre hose reel and z-swivel, control valve.



Product Code	For Use With
OA13080	180 Kg Kegs/Drums

50:1 ratio air operated grease pump kit with cover, follower plate, drip tray hose holster, HP hose, 12 metre hose reel and z-swivel control valve.



Product Code	For Use With
OA13250	50 Kg Kegs/Drums
OA13220	180 Kg Kegs/Drums

Centralised Lubrication Filler Units

A medium pressure lever action pump for filling reservoirs of centralised lubrication systems. Includes 1.5 metre hose, 1/4" BSP connector, pump and cover.



Product Code	Description
108501	12-18 Kg Keg Size (Cover Ø 310mm)
108502	20 Kg Keg Size (Cover Ø 330mm)
108503	50 Kg Drum Size (Cover Ø 405mm)

Manually Operated Grease Pump Assemblies

Hand operated grease pump with cover, follower plate, carry handle, 2.5 metre HP hose with hook, and grease fitting. Diameter 280mm.



Product Code	For Use With
OA14280	240 mm/260mm dia. 12.5 Kg Kegs
3381882	18 Kg Kegs/Drums
55-1172FP	12.5 Kg Kegs/Drums

Air Operated Pump Kits

High pressure air operated pump kits suitable for use with 12.5kg keg. Each kit is supplied with: double acting 50:1 ratio pump, input pressure 4-8 bar, flow rate (free delivery) 800g per minute, drum cover and follower plate, 4 meter R2AT high pressure delivery hose, control valve with z-swivel and carrying handle.

NEW



Product Code	For Use With
GE13020	12.5 Kg Kegs/Drums

High pressure air operated pump kits suitable for use with 50kg keg. Each kit is supplied with: double acting 50:1 ratio pump, input pressure 4-8 bar, flow rate (free delivery) 800g per minute, drum cover and follower plate, 4 meter R2AT high pressure delivery hose, control valve with z-swivel and heavy duty 4 wheel trolley.

NEW



Product Code	For Use With
GE13050	50 Kg Kegs/Drums

GREASE PUMP ACCESSORIES

Follower Plates & Drum Covers

Only for use with Raasm pumps.



Follower Plates

Product Code	For Use With
OA12026	12.5 Kg Keg
OA12031	18 Kg Keg
OA12034	25 Kg Keg
OA12037	50 Kg
OA12040	360/400 mm diameter Kegs/Drums
OA12058	180 Kg Keg

Only for use with Raasm.

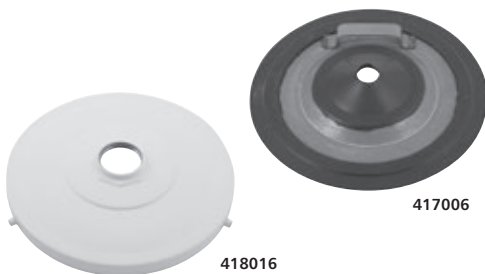


Drum Covers

Product Code	For Use With
OA12128	12.5 Kg Keg
OA12132	18 Kg Kegs
OA12135	25 Kg Kegs
OA12138	50 Kg Keg
OA12142	370-420 mm Ø Keg
OA12160	180 Kg Keg

Universal Follower Plates & Drum Lids

NEW

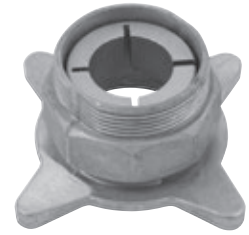


Suitable for use with any 2" BSP bung adaptor

Product Code	For Use With
417006	12.5 Kg Follower Plate
418013	12.5 Kg-18 Kg Drum Lid
417002	50 Kg Follower Plate
418016	50 Kg Drum Lid
417004	180 Kg Follower Plate
418006	180 Kg Drum Lid

Bung Adaptor

NEW



For use with Graco Fireball 300 grease pumps.

Product Code	Description
28585	32mm Bung Adaptor

Graco Drum Covers

NEW



For use with Fireball 225, Fireball 300, 10:1 Fireball 425 and 5:1 Dynastar grease pumps.

Product Code	Description
200326	180 Kg Drum Cover

Graco Follower Plates

NEW



For use with Fireball 225 & Fireball 300 grease pumps.

Product Code	Description
223845	180 Kg Follower Plate

NEW



For use with 50:1 and 75:1 Fireball 425 grease pumps.

Product Code	Description
223846	180 Kg Follower Plate

NEW



For use with 5:1 Dynastar and 10:1 Fireball 425 grease pumps.

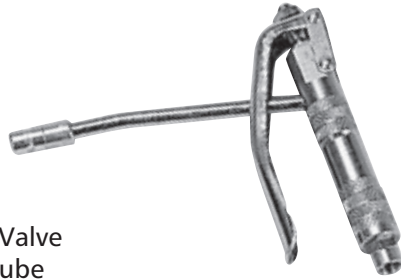
Product Code	Description
223701	180 Kg Follower Plate

Grease Control Valves



Grease Gun/Control Valve Handle

Product Code	Description
OA12065	Without Delivery Tube



Grease Gun/Control Valve with 160mm Rigid Tube

Product Code	Description
OA12072	With Hydraulic Connector
OA12083	With Hydraulic Connector & Straight Swivel
OA12084	With Hydraulic Connector & Z-swivel



Grease Gun/Control Valve with 430mm Flexible Hose

Product Code	Description
OA12070	With Hydraulic Connector
OA12085	With Hydraulic Connector & Straight Swivel
OA12087	With Hydraulic Connector & Z-swivel



Grease Metering Gun with Flexy & Rigid Tube

Product Code	Description
OA12090	With Hydraulic Connector & Z-swivel

Accessories for Grease Control Valves

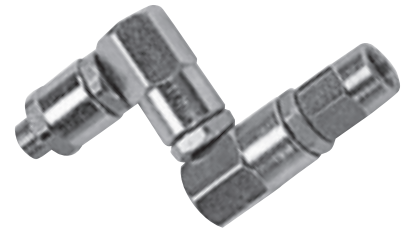
When connected to the gun, the swivel enables independent rotation on the delivery hose even when under pressure.



1/4" Male x 1/4" Female Straight Swivel

Product Code
OA12001

When connected to the gun, the swivel enables independent rotation in all directions even when under pressure.



1/4" Male x 1/4" Female Z-swivel

Product Code
OA12003



Flexible Hose with Hydraulic Connector

Product Code	Length
OA12067	43cm

Accu-Shot™ Electronic Grease Meter



Max Working Pressure:
5,000 psi
(34.5 MPa, 345 bar)



For High Pressure Grease Dispense

Product Code	Description
233-933	Metric (Grams & Kilograms)

FOR GREASE, SEE SECTION 1



OIL PUMP ASSEMBLIES

Mobile Air Operated Oil Dispenser

Mobile oil dispenser to suit 205 ltr drums supplied with high flow 27 ltrs per min, air operated, 3:1 ratio pump (GE20196). Heavy duty 4 wheel platform trolley (GE55-9194). 4m R1AT wire braided delivery hose. Digimet E35 hose end meter with flexible delivery nozzle fitted with non drip nozzle. All necessary connection nipples.

NEW



Product Code	Description
GE2122KT	Standard Mobile Air Operated Oil Dispenser

Manual Oil Dispenser

30 ltr capacity manual oil dispenser. All steel heavy gauge construction, powder coated grey finish. Supplied with 1.3m coiled delivery hose fitted with shut off valve and delivery nozzle. Anti-splash funnel with fitted closure. Sight level gauge. Tool tray.

NEW



Product Code	Description
GE24030	30 ltr Manual Oil Dispenser

Mobile Air Operated Oil Dispenser with Hose Reel

Mobile oil dispenser to suit 205 ltr drums supplied with high flow 27 ltrs per min, air operated, 3:1 ratio pump (GE20196). Heavy duty 4 wheel platform trolley with hose reel bracket (GE5009). 2m R1AT wire braided connection hose. 10m 1/2" R1AT wire braided open hose reel (GE82010). Digimet E35 hose end meter with flexible delivery nozzle fitted with non drip nozzle. All necessary connection nipples.

NEW



Product Code	Description
GE2128KT	Mobile Air Operated Oil Dispenser with Hose Reel

Pneumatic Oil Dispenser

30 ltr capacity air operated oil dispenser. All steel heavy gauge construction, powder coated grey finish. General features as GE24030 above, except air operated. Pressurised with air at 6 to 8 bar. Will work autonomously anywhere and does not need continuous connection to a compressed air line. Fitted with pressure gauge and trigger operated dispensing nozzle.

NEW



Product Code	Description
GE24130	30 ltr Air Operated Oil Dispenser

FOR STAINLESS TUBING, SEE SECTION 9



OIL PUMP ACCESSORIES

High Flow Air Operated Pumps

Double acting air operated 3:1 ratio piston pump for all grades of oil. Flow rate free delivery 27 ltrs per minute (18 ltr per min with 4m hose). High efficiency twin exhaust system. Operating pressure 3 to 8 bar (max output pressure 24 bar).

NEW



Product Code	Description
GE20196	Pump to Suit 205 ltr Drum c/w Bung Adaptor
GE20106	Pump to Suit 4 ft tank c/w Bung Adaptor
GE20100	Stub Pump Only with 3/4" BSP Inlet
GE22134	Bung Adaptor
GE22234	Wall Bracket to Suit Stub Pump

Oil Control Gun & Meter

Oil control gun and meter, suitable for all grades of oil for use with air operated pumps. Max flow rate 35 ltrs per minute, max working pressure 70 bar. Inlet 1/2" BSP, outlet fitted with flexible hose and non-drip nozzle.

NEW



Product Code	Description
GE72130	Standard Oil Control Gun with Lever Locking Button
GE3541217	Digital Hose End Meter

Preset Hose End Meter

Preset delivery from 0.1 to 99.9 Litres. The control gun closes automatically after pre-set dispense. Accuracy + / - 0.5%, working pressure max 67 bar. 1/2" BSP inlet swivel.

NEW



Product Code	3541546
--------------	---------

In-line Digital Meter

1/2" BSP, max flow rate 35 ltrs per minute. Totaliser and resettable display of dispense. Max pressure 100bar.

NEW



Product Code	3541002
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High Delivery 3/4" Digital Hose End Meter

High accuracy meter for high flow rates up to 70 Litres per min. Gun fitted with 3/4" BSP female swivel and 3/4" outlet. Supplied with flexible delivery nozzle fitted with no drip outlet 35mm dia.

NEW



Product Code	OA32144
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Drum Trolleys

Heavy duty drum trolleys to suit various size grease/oil drums. Manufactured from galvanised steel, fitted with 5" fixed wheels and 3" castors. Each trolley is fitted with drum clamp, pump and delivery gun support brackets.

NEW



Product Code	Description
GE559194	Standard Trolley to Suit 180-220 ltr drums
GE50009	Trolley with Hose Reel Support to Suit 180-220 ltr Drums
GE50003	Standard Trolley to Suit 20-60 Kg Drums

MANUAL PUMPS

Rotary Barrel Pumps

A robust cast iron rotary barrel pump, capable of up to 25 lpm for dispensing fuel or oils. Supplied complete with 3 port, steel suction tube and 2" BSP barrel adaptor with foot strainer. Suitable for barrels up to 200 litres.



Product Code	Body
3461010	Cast Iron
3461034	Aluminium

Lever Barrel Pump

Hand pump, lever action, telescopic suction pipe, 2" BSP male adaptor fits to barrel. Suitable for diesel/gas oil and oils up to SAE 90. Pumping speed: 16 lpm.



Product Code
3463540

Semi Rotary K Series Pumps

Robust double acting semi rotary hand pumps suitable for use with water, diesel and lubricating oils. Fitted with bronze vanes for prolonged life.



NEW

Product Code	Description
55-1490	K1 3/4" Inlet & Outlet, Flow Rate Approx 22 Litres Per Minute
55-1491	K2 1" Inlet & Outlet, Flow Rate Approx 28 Litres Per Minute

Drum Taps, Polyethylene

- Polythene drum taps can be used with a wide range of oils, acids and caustics
- Huge 2" version can be used with thick liquids
- BSP male threads with sealing washer



Product Code	Connection	Description
DTJ	2"	Full Bore Drum Tap
DT3P	3/4"	Drum Tap

Brass Drum Tap



Product Code	Connection
2019-9394	3/4"

Adblue - Lever Operated Drum Pump

Lever operated drum pump HP 500 for 50 to 200 litre-drum, equipped with 2" BSP and 2" Tri-Sure drum adaptor, telescope suction tube and 2 metre delivery hose. Continuous syphon operation with outlet hose securely fastened. Body: Polypropylene. Seals: Viton. Flow rate: 500 cc/stroke. Suitable for: Adblue, water based liquids, thinner, solvents, anti-freeze, windshield detergents, hydraulic oils and other lubricants.



NEW

Product Code
3462307

Liquid Extraction Pumps

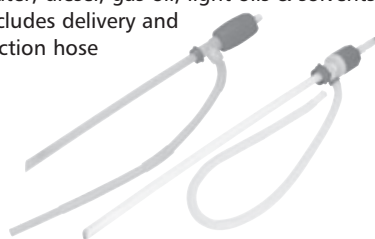
- Removes oil from vehicles, lawnmowers and motorbikes without draining, simply insert the suction pipe in the dipstick hole
- Suitable for fuels, water and many other liquids
- Lightweight and portable



Product Code	Description
HP.SUC2	2.7 Litres Suction Extraction
HP.SUC6	6 Litres Suction Extraction
HP.SUC17	17 Litres Suction Extraction

Syphon Pumps

- Suitable for pumping most liquids: acids, alkaline, antifreeze, degreaser, distilled water, diesel, gas oil, light oils & solvents
- Includes delivery and suction hose



Product Code	Description
HPS25	Drum Pump, 5-25 Litre Drum
HPS205	Drum Pump, 205 Litre Drum

Specialist Lever Barrel Hand Pumps

Suitable for most chemicals, diesel and light oils. Polypropylene construction. Capable of up to 500cc per stroke. 2" BSPM and 2" NPT drum adaptor. 2 piece suction pipe.



NEW

Product Code	Seal
LEVER.E	EPDM
LEVER.V	Viton

Rotary Barrel Hand Pump

Suitable with most chemicals & acid based products. PTFE vanes & Hastelloy springs. 3 piece suction pipe. Capable of up to 25 L/min.



NEW

Product Code	Construction
MSSPVC	PVC

Gear Oil Pumps

Suitable with high viscosity oils, ideal for filling gear boxes. Polypropylene pump, mild steel piston & nitrile seals. Dispenses approximately 100ml per stroke. Has a 1.5m outlet hose with spout.



NEW

Product Code	Description
HPGO	PVC
ADAPT.UNI.L	Adaptor

FUEL EQUIPMENT

Electric Pump Kit for Diesel, 12/24V DC

Universal ready to use transfer pump kit, for diesel and fuel oil. Kit includes: 2 meter anti-static suction hose with filter and foot valve, 4 meter anti-static delivery hose, manual filler nozzle and hose clips. **Not suitable for water or other fluids!**

- Dual voltage: 12/24V DC
- Max duty cycle: 30 minutes
- Flow rate: @ 12V DC = 25 lpm, @ 24V DC = 35lpm (maximum)
- Thermal overload protection
- 3/4" BSP inlet/outlet



NEW

Product Code	Description
GA90145	Complete Kit for Diesel

Electric Pump Kit for Diesel 230-240V with Flow Meter

Universal ready to use transfer pump kit, for diesel and fuel oil. Kit includes: 2 meter anti-static hose with filter and foot valve. 4 meter anti-static delivery hose, manual filler nozzle and hose clips. **Not suitable for water or other fluids!**

- 230/240V AC
- Maximum current draw: 4.5A
- Flow rate: 70 lpm
- Continuous rating



NEW

Product Code	Description
GA90170	Electric Pump Assembly with Mounting Frame & Meter

Gravity Feed kits for Diesel

Gravity feed diesel dispensing kits, supplied complete with heavy duty wire braided diesel/oil resistant rubber hose with swaged ends, 1" manual nozzle complete with swivel, and 1" BSP M/F lockable 90° valve.



NEW

Product Code	Description
GA70003	3m Dispensing Kit
GA70004	4m Dispensing Kit

Submersible Pump Kit, 12V

Submersible pump kit supplied complete with 2m cable with battery clamps, and 2m delivery hose with stainless nozzle. Suitable for diesel, kerosene and water.

- Dual voltage: 12V DC
- Power: 60W.
- Flow rate: @ 12V DC = 16 lpm
- Diameter of pump: 50mm
- Outlet: 19mm



NEW

Product Code	Description
GA72020	Complete Submersible Pump Kit

Diesel Dispensing Nozzles

NEW



Automatic Diesel Dispensing Nozzles, 1" BSP Inlet, Fitted with Swivel

Product Code	Description
GA90002	Flow Rate 60 Ltrs Per Minute, Spout Diameter 24mm
GA90003	Flow Rate 120 Ltrs Per Minute, Spout Diameter 30mm



Manual Diesel Dispensing Nozzles, Inlet Fitted with Swivel

Product Code	Description
GA90001	3/4" BSP c/w Swivel, 40 Ltrs Per Minute, Spout Diameter 20mm
GA90004	1" BSP c/w Swivel, 60 Ltrs Per Minute, Spout Diameter 24mm

Lockable Elbow for Gravity Feed System

Brass elbow for use with gravity feed diesel kits complete with lever locking. Threaded 1" BSP male/female.

NEW



Product Code	Description
GA71001	Lockable 90° Brass Elbow

Electric Diesel Pump, 12/24V (Pump Only)

Electric fuel transfer pump, 12/24V DC.

- Dual voltage: 12/24V DC
- Max duty cycle: 30 minutes
- Flow rate: @ 12V DC = 25 lpm, @ 24V DC = 25 lpm (maximum)
- Thermal overload protection
- 3/4" BSP inlet/outlet

NEW



Product Code	Description
GA90045	12/24V Electric Diesel Pump

Electric Diesel Pump, 240V

Electric fuel transfer pump, 230/240V AC.

- Maximum current draw: 4.5A
- Flow rate: 70 lpm (maximum)
- Continuous rating
- Maximum head: 12 meters
- Maximum suction hose length: 4 meters

NEW



Product Code	Description
GA90070	240V Electric Diesel Pump

METERING VALVES

Automatic Metering Valves, Type AMV

The AMV automatic metering valve is an air operated and single acting valve for dispensing accurately metered amounts of material on a repetitive basis.

A built-in air cylinder operates a spool valve, which directs pressurised material to either side of a floating piston. The adjustable stroke piston displaces from 0.2cc to 4cc of material with viscosities from 3,000 to over 1,000,000 centipoise. The shot size can be easily and quickly changed by lengthening or shortening the piston stroke.

With a minimum 0.2cc shot of low viscosity material, the AMV will dispense up to 60 shots per minute or higher. With a maximum 4cc shot of moderate viscosity material, the AMV will dispense up to 15 shots per minute.

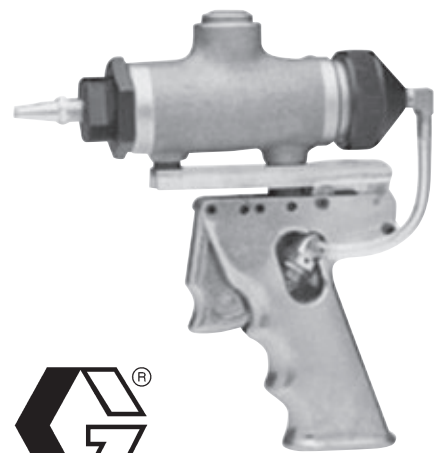
A special snuffer action at the end of the dispensing cycle draws material back to prevent dripping or stringing. The AMV has a tapped hole for mounting, making

it ideal for automatic systems and for use in multiple manifold, high production operations. The unit can be supplied by any standard air driven pump.

- Accurate dispensing on a repetitive basis
- Dispenses up to 60 shots per minute or more
- Change shot size quickly and easily
- Special snuffer action prevents dripping
- Numerous models to select from

Air Operated, Single Acting Metered Shot Valve

Product Code	Description
C02-021	AMV Model 482-B
C02-022	AMV Model 482-C
C02-025	AMV Model 482-E
C02-026	AMV Model 482-HA
C02-027	AMV Model 482-MS
C02-078	AMV Model 482-DA
C02-023	Seal Repair Kit



FOR BALL VALVES, SEE SECTION 8



FUEL PUMPS

Diesel Pumps

The E80 and E120 self-priming rotary electric vane pumps are designed for transferring diesel fuel. These powerful and reliable pumps are equipped with a bypass valve and are available with single and three-phase AC motors. Thanks to their compact size, ease of installation, dependability and safety, they are used primarily for private use and various industrial applications.

- Cast iron pump body finished with anti-corrosion paint
- Vane pump with sintered steel rotor and acetal resin vanes
- Incorporated bypass valve
- Induction motor with aluminium casing and anchoring brackets
- Protection grade: IP55
- Suitable for continuous service with thermal motor overload protection
- 1" flanged connectors

NEW



Product Code	Description	On/Off Switch	Max Flow lpm	Voltage
305000	E80 230V/50Hz	Yes	70	230
307000	E80 400V/50Hz	No	90	400

Product code 32700A is also available in 120v/60Hz

NEW



Product Code	Description	On/Off Switch	Max Flow (lpm)	Voltage
326000	E120 230V/50Hz	Yes	100	230
32700A	E120 110V/50Hz	Yes	100	110
312000	E120 400V/50Hz	No	100	400

Electric Oil Pumps

Viscomat vane pumps have been designed as a modern, effective solution for the various requirements of pumping oils and lubricants. Thanks to the range of models available, the Viscomat satisfies the need to transfer large quantities of product at medium pressure between tanks. They also guarantee good flow rates at high pressure in applications in which the pump must supply hose reels for fixed oil distribution systems. Common features of all models include quiet operation (less than 70dB), smooth flow characterised by the absence of pulsations, closed-delivery operation thanks to the incorporated adjustable bypass, high suction capacity and compact design.

- Asynchronous, closed, self ventilating AC motor available in various voltages
- Integrated bypass valve
- Sintered steel rotor with acetal resin vanes
- Viton lip seal
- Protection grade: IP55
- 1" threaded connections
- Suitable for continuous running in open flow situations
- Maximum fluid temperature: +70°C
- Viscosity: up to 500cSt

NEW



Product Code	Description	On/Off Switch	Max Flow lpm	Voltage	Pressure bar (psi)
334900	Viscomat 70M 230V/50Hz	Yes	25	230	6 (87)
339900	Viscomat 70M 110V/50Hz	Yes	25	110	6 (87)
331900	Viscomat 70T 400V/50Hz	No	25	400	6 (87)
303M00	Viscomat 90M 230V/50Hz	Yes	50	230	5 (72)
303000	Viscomat 90T 400V/50Hz	No	50	400	5 (78)

Drum Electric Pumps

The Viscotroll DC is the ideal solution for dispensing oil anytime, anywhere, without using compressed air or mains power. The unit includes a self-priming gear pump with a 12V DC electric motor. The built-in pressure switch means that operating the delivery nozzle will automatically start or stop the pump, and the version with the nozzle allows easy and accurate monitoring of the quantity of oil being dispensed. The unit also benefits from an in-built battery charger, which is useful as it is recommended that the battery is recharged after transferring 2/3 oil drums.

This unit represents a unique solution to an ever-increasing demand from automotive transport workshops and maintenance depots.

- Tubular structure, trolley-mounted support for moving drums, complete with nozzle support, pipe support and drip collector
- Self-priming pump with 12V DC motor
- 3/4" suction hose with filter
- 3 metre long 5/8" delivery hose
- Supplied with delivery nozzle incorporating a flexible end and automatic non-drip valve, with an optional meter
- Pressure switch with incorporated safety valve
- Protection grade: IP55
- Battery with battery charger:
 - @ 220-240V AC, 50-60Hz, max absorp Amp 0.6
 - @ 85-125V AC 50-60Hz, max absorp Amp 1.1
- Optional flow meter offering +/-0.5% accuracy
- Viscosity: up to 2000cSt

NEW



Product Code	Description	Pressure Switch	Max Flow lpm	Voltage	Oil Viscosity cSt
263200	Viscotroll 120/1, PST	Yes	6	12	Up to 2,000
263210	Viscotroll 120/1 K400, PST	Yes	6	12	Up to 2,000

FLOW METERS

Mechanical Display Flow Meters

K33, K44 and K700 meters measure the exact quantity of the dispensed diesel fuel or oil within private applications. The meters are reliable, inexpensive, and easy to install and calibrate if necessary, with separate models available specifically for diesel and oil. Thanks to their reduced flow resistance, these meters can perform well under gravity flow conditions. There is a version of the K44 available with a 10:1 pulse emitter for connection to a fuel management system.

- Meter body can be rotated to allow flow from 4 directions
- K33 and K44: aluminium meter chamber with polybutylene nutating disk
- K700: aluminium meter chamber with oval gear system
- Precision: +/-1% of flow range after calibration
- Max operating pressure: 10 bar (142 psi)
- Bursting pressure: 30 bar (426 psi)
- K33: 3 digit resettable (max 999.9 ltrs) and 6 digit non resettable
- K44 and K700: 4 digit resettable (max 9999.9 ltrs) and 8 digit non resettable
- Pulsar version: 10 pulses per litre/power supply 6-24V DC/max 10MA
- Operating temperature: -20°C to +60°C



6 Digit Totaliser,
Inlet/Outlet Port 1" Female BSP

Product Code	Description	Flow Rate lpm	Pressure bar (psi)	Totals
553000	K33 Diesel	20-120	10 (145)	0.1 to 999.9
558000	K33 Oil	20-120	10 (145)	0.1 to 999.9



8 Digit Totaliser,
Inlet/Outlet Port 1" Female BSP

Product Code	Description	Flow Rate lpm	Pressure bar (psi)	Totals
563000	K44 Diesel	20-120	10 (145)	0.1 to 9999.9
563020	K44 Oil	20-120	10 (145)	0.1 to 9999.9
56500A	K44 Pulsar	20-120	10 (145)	0.1 to 9999.9



With Inlet Filter: 400 M

8 Digit Totaliser, Inlet/Outlet Port
1.1/2" Female BSP, Flanged

Product Code	Description	Flow Rate lpm	Pressure bar (psi)	Totals
F00540030	K700	20-220	10 (145)	0.1 to 9999.9

Series 900 mechanical flow meters are designed to accurately measure the amount of diesel, kerosene and biodiesel, up to B30, that has been dispensed. These nutating disk flow meters are designed for private application use only and have a robust and weatherproof housing. The meters are reliable and easy to install and calibrate if necessary. Thanks to reduced flow resistance, these meters can perform well under gravity flow conditions if minimum flow requirements are achieved.

- Only suitable for use with diesel, kerosene or biodiesel up to B30
- Nickel plated version for use on water
- Flow rate: 23-151 ltr per min
- Precision: +/-2% with adjustable calibration
- Nutating disk system
- Max pressure: 3.5 bar (50 psi)
- 4 digit resettable (max 9999 ltrs) and 8 digit non resettable
- Front face can be rotated in 90° increments
- Ex II 2G c T6 approved



Operating
Temperature Range:
-26°C to +66°C



8 Digit Totaliser, Inlet/Outlet
Port 1.1/2" Female BSP, Flanged

Product Code	Description	Flow Rate lpm	Pressure bar (psi)	Totals
OE0048	900 Series	23-151	3.5 (50)	0.1 to 9999 Litres

Fuelling Meter with Strainer

3 digit register up to 999 litres. Ongoing totalizer, operating range 19-75lpm. Suitable for use on gravity or electric pumps.



BSP

Product Code	Connection
2019-9402	1"

Electronic Display Flow Meters

The oval gear electronic meters satisfy the most diverse needs for measuring dispensed product in the private distribution of fuels, lubricants and high viscosity liquids. Measuring with oval gear flow meters enables the user to achieve high precision comparable to piston meters, without the loss of pressure that characterises them.

This range of flow meters can be used in various environments depending on your requirements and the model requested.

These include private fuel dispensing systems, fixed systems for transferring/distributing lubricants and industrial applications.

- Accuracy: +/-0.5%
- Repeatability: +/-0.2%
- Aluminium measuring chamber
- Oval gears made of acetalic resin
- Integrated suction filter (except models K400 and K200)
- Single channel reed switch
- 5 digit resettable partial total
- 8 digit non resettable total
- Flow rate indication (on models K600 and K900)
- Pressure loss: 0.5 bar at maximum flow rate
- Batteries: 2 x LR1 N-1.5V

NEW



6 Digit Totaliser,
Inlet/Outlet Port 1/8" Female BSP

Product Code	Description	Flow Rate lpm	Pressure bar (psi)	Fluid Viscosity cSt	Totals
430120	K200	0.1-2.5	550 (7,810)	1-2,000	0.1 to 9999

NEW



6 Digit Totaliser Plus x 10, x 100,
Inlet/Outlet Port 1/2" Female BSP

Product Code	Description	Flow Rate lpm	Pressure bar (psi)	Fluid Viscosity cSt	Totals
F00484000	K400	1-30	70 (994)	5-5,000	0.1 to 9999
483020	K400, Windscreen	1-30	70 (994)	1-2,000	0.1 to 9999

NEW



6 Digit Totaliser Plus x 10, x 100,
Inlet/Outlet Port 3/4" Female BSP Flanged

Product Code	Description	Flow Rate lpm	Pressure bar (psi)	Fluid Viscosity cSt	Totals
496A20	K600/3, Oil	6-60	70 (994)	10-2,000	0.1 to 9999

6 Digit Totaliser Plus x 10, x 100,
Inlet/Outlet Port 1" Female BSP Flanged

Product Code	Description	Flow Rate lpm	Pressure bar (psi)	Fluid Viscosity cSt	Totals
496A00	K600/3, Diesel	10-100	30 (426)	2-5.35	0.1 to 9999

NEW

Operating
Temperature Range:
-140°C to +60°C



6 Digit Totaliser Plus x 10, x 100,
Inlet/Outlet Port 1.1/2" Female BSP Flanged

Product Code	Description	Flow Rate lpm	Pressure bar (psi)	Fluid Viscosity cSt	Totals
49700A	K600/4	15-150	20-284	2-2,000	0.1 to 9999

NEW



6 Digit Totaliser Plus x 10, x 100,
Inlet/Outlet Port 3" Female BSP Flanged

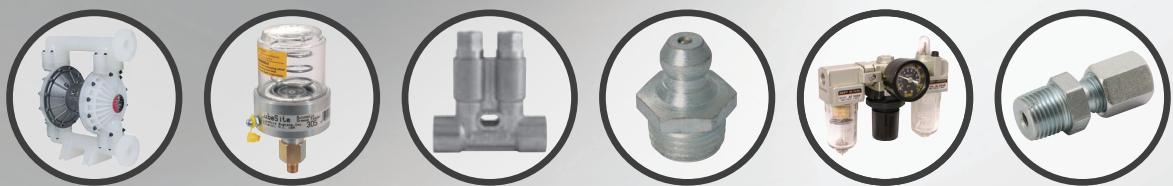
Product Code	Description	Flow Rate lpm	Pressure bar (psi)	Fluid Viscosity (cSt)	Totals
499000	K900	50-500	20 (284)	5-5,000	0.1 to 9999

FOR DIAPHRAGM PUMPS, SEE SECTION 6



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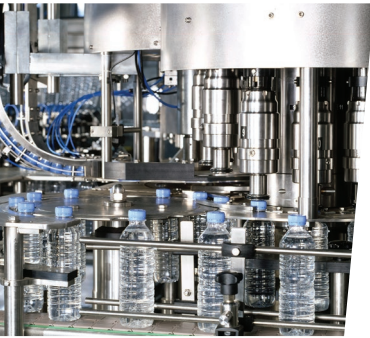
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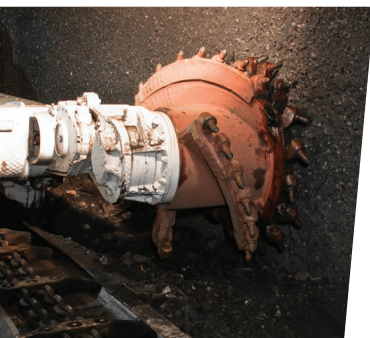
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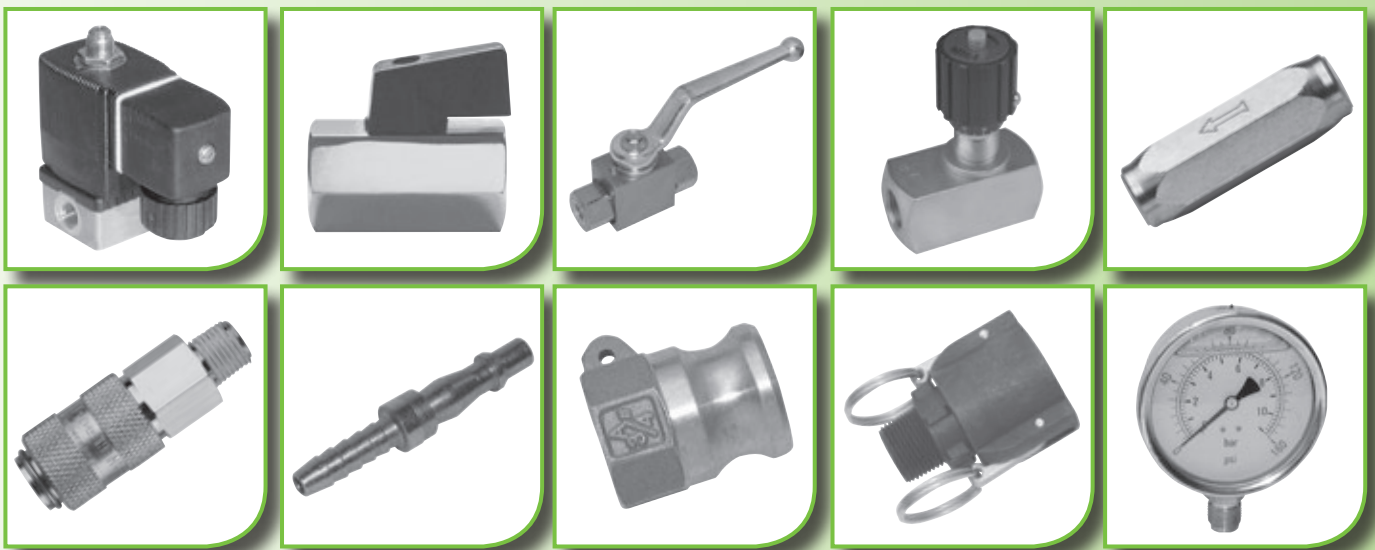


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SECTION

8

VALVES, COUPLINGS & GAUGES



Solenoid Valves
Mini Ball Valves
Hydraulic Ball Valves
Needle Flow Control Valves
Non Return Valves
Series 19KA Couplings
Couplings
Cam & Groove Quick Couplings
Polypropylene Couplings
Glycerine Gauges

2/2 Brass Solenoid Valve (Type 6213)

General purpose 2/2 solenoid valve for liquids and gases.

- Ambient temperature: +55°C max
- Body material: brass
- Seal material: EPDM
- Power consumption: varied, see full data sheet
- Protection class: IP65



Temperature Media:
-30°C to +120°C



Pressure Range:
0-10 bar



Product Code	Connection BSPP	Voltage	Bar
BUR-135226	1/2"	24V DC	0-10
BUR-135227	1/2"	24V/50Hz	0-10
BUR-135228	1/2"	110V/50Hz	0-10
BUR-135229	1/2"	230V/50Hz	0-10
BUR-135234	3/4"	24V DC	0-10
BUR-135235	3/4"	24V/50Hz	0-10
BUR-135236	3/4"	110V/50Hz	0-10
BUR-135237	3/4"	230V/50Hz	0-10
BUR-135133	1"	24V/50Hz	0-10
BUR-135135	1"	230V/50Hz	0-10
BUR-135137	1.1/4"	110V/50Hz	0-10
BUR-135138	1.1/4"	230V/50Hz	0-10
BUR-135145	1.1/2"	24V/50Hz	0-10
BUR-135146	1.1/2"	110V/50Hz	0-10
BUR-135147	1.1/2"	230V/50Hz	0-10
BUR-135148	2"	24V/50Hz	0-10
BUR-135150	2"	230V/50Hz	0-10

2/2 Stainless Steel Solenoid Valve (Type 6213)

2/2 solenoid valve for liquids and gases.

- Ambient temperature: +55°C max
- Body material: stainless steel
- Seal material: FPM
- Power consumption: varied, see full data sheet
- Protection class: IP65



Temperature Media:
-10°C to +90°C



Pressure Range:
0-10 bar



For Slightly Aggressive Fluids

Product Code	Connection BSPP	Voltage	Bar
BUR-141215	1/2"	24V DC	0-10
BUR-141216	1/2"	24V/50Hz	0-10
BUR-141217	1/2"	110V/50Hz	0-10
BUR-141218	1/2"	230V/50Hz	0-10
BUR-141239	3/4"	24V DC	0-10
BUR-141240	3/4"	24V/50Hz	0-10
BUR-141242	3/4"	230V/50Hz	0-10
BUR-141243	1"	24V DC	0-10
BUR-141244	1"	24V/50Hz	0-10
BUR-141245	1"	110V/50Hz	0-10

3/2 Brass Solenoid Valve (Type 6014)

3/2 general purpose solenoid valve for liquids and gases.

- Ambient temperature: +55°C max
- Body material: brass
- Seal material: FPM
- Power consumption: DC: 8W, AC: 24V A (in rush), 17V A (hold)
- Protection class: IP65



Temperature Media:
-10°C to +100°C



Pressure Range:
0-10 bar



Product Code	Connection BSPP	Voltage	Bar
BUR-125333	1/8"	24V DC	0-10
BUR-125334	1/8"	24V/50Hz	0-10
BUR-125335	1/8"	110V/50Hz	0-10
BUR-125336	1/8"	230V/50Hz	0-10
BUR-125349	1/4"	24V DC	0-10
BUR-126147	1/4"	24V/50Hz	0-10
BUR-126148	1/4"	110V/50Hz	0-10
BUR-126149	1/4"	230V/50Hz	0-10

3/2 Universal Solenoid Valve for Aggressive Media (Type 0124)

3/2 isolating diaphragm solenoid valve for liquids and gases.

- Ambient temperature: +55°C max.
- Body material: polypropylene
- Seal material: as below
- Power consumption: DC: 8W, AC: 30V A (in rush), 15V A (hold)
- Protection class: IP65



Temperature Media:
0°C to +80°C (Viton)
-30°C to +80°C (EPDM)



Pressure Range:
0-12 bar



Product Code	Connection BSPP	Voltage	Bar
BUR-136313	1/4"	24V DC	Viton
BUR-136314	1/4"	110V/50Hz	Viton
BUR-136315	1/4"	230V/50Hz	Viton
BUR-136316	1/4"	24V DC	EPDM
BUR-136317	1/4"	110V/50Hz	EPDM
BUR-136318	1/4"	230V/50Hz	EPDM

FOR FILTER REGULATORS, SEE SECTION 10



Form A Cable Plug (Type 2508)

DIN 43650 Form A cable plug with LED and circuit protection.

- Body material: polyamide
- Contact material: brass, electro silver plated
- Max temperature: +125°C
- Cable diameter: 5mm-6mm
- Protection class: IP65



Full technical specifications and variations available on request.

Product Code	Voltage
BUR-008367	12-24V AC/DC
BUR-008368	100-120V AC/DC

Plug On Timer for Solenoid Valve Control (Type 1078)

DIN 43 650 Form A plug on programmable multifunction timer.

- Body material: polyamide
- Contact material: brass, electro silver plated
- Switching loads:
24-48V @ 1.5A, 110-230V @ 0.5A
- Ambient temperature: 0°C to +60°C
- Cable diameter: 5mm-6mm
- Protection class: IP65



Full technical specifications and variations available on request.

Product Code	Voltage
BUR-060621	24-48V AC/DC
BUR-060620	110-230V AC/DC

General Purpose 2/2 N/C Direct Acting Solenoid Valves

- Media: water, oil, air
- Seal: FKM
- Body: brass
- Protection class: IP65
(with connector fitted)

Temperature
Media:
-10°C to +120°C



NEW

Product Code	Connection BSPP	Voltage	Bar
F133-18-230	1/8"	230/50	0-12
F133-18-110	1/8"	110/50	0-12
F133-18-24	1/8"	24DC	0-9
F133-14-230	1/4"	230/50	0-15
F133-14-110	1/4"	110/50	0-15
F133-14-24	1/4"	24DC	0-8
F133-38-230	3/8"	230/50	0-8
F133-38-110	3/8"	110/50	0-8
F133-38-24	3/8"	24DC	0-5

General Purpose 3/2 N/C Direct Acting Solenoid Valves

- Media: water, oil, air
- Seal: FKM
- Body: brass
- Protection class: IP65
(with connector fitted)

Temperature
Media:
-10°C to +130°C



NEW

Product Code	Connection BSPP	Voltage	Bar
F333-18-230	1/8"	230/50	0-10
F333-18-110	1/8"	110/50	0-10
F333-18-24	1/8"	24DC	0-10
F333-14-230	1/4"	230/50	0-10
F333-14-110	1/4"	110/50	0-10
F333-14-24	1/4"	24DC	0-10

FOR STAINLESS FITTINGS, SEE SECTION 9



MINI & LONG HANDLE BALL VALVES

Long Handle Ball Valves



Temperature Range:
-10°C to +60°C



Working Pressure:
35 bar

• Full Bore • Long Thread • Flat Steel Handle



Red, Steel, Female x Female

Product Code	Connection
2023-0439	1/4"
2023-0447	3/8"
2023-0454	1/2"
2023-0462	3/4"
2023-0470	1"
2023-0488	1.1/4"
2023-0496	1.1/2"
2023-0504	2"
2023-0512	2.1/2"
2023-0520	3"
2023-0538	4"



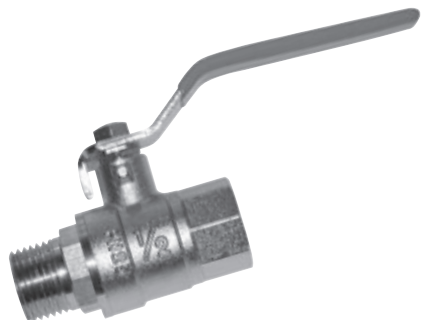
Blue, Steel, Female x Female

Product Code	Connection
2042-5336	1/4"
2042-5337	3/8"
2042-5338	1/2"
2042-5339	3/4"
2042-5340	1"
2042-5341	1.1/4"
2042-5342	1.1/2"
2042-5343	2"
2042-5344	2.1/2"
2042-5345	3"
2042-5346	4"



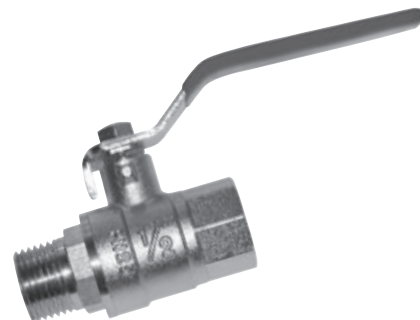
Green, Steel, Female x Female

Product Code	Connection
2046-1695	1/4"
2046-1703	3/8"
2046-1711	1/2"
2046-1729	3/4"
2046-1737	1"
2046-1745	1.1/4"
2046-1752	1.1/2"
2046-1760	2"
2046-1778	2.1/2"
2046-1786	3"
2046-1794	4"



Red, Steel, Male x Female

Product Code	Connection
2024-1808	1/4"
2024-1816	3/8"
2024-1824	1/2"
2024-1832	3/4"
2024-1840	1"
2024-1857	1.1/4"
2024-1865	1.1/2"
2024-1873	2"



Blue, Steel, Male x Female

Product Code	Connection
2064-7889	1/4"
2064-7897	3/8"
2064-7905	1/2"
2064-7913	3/4"
2064-7921	1"
2064-7939	1.1/4"
2064-7947	1.1/2"
2064-7954	2"



Green, Steel, Male x Female

Product Code	Connection
2064-7962	1/4"
2064-7970	3/8"
2064-7988	1/2"
2064-7996	3/4"
2064-8002	1"
2064-8010	1.1/4"
2064-8028	1.1/2"
2064-8036	2"

FOR DIAPHRAGM PUMPS, SEE SECTION 6



Mini Ball Valves, Black Lever Handle, Brass

 **Temperature Range:**
-30°C to +180°C

 **Working Pressure:**
220 psi

- Polished chrome finish



Type MBV, Female x Female, BSPP

Product Code	Connection
MBV18S	1/8"
MBV14S	1/4"
MBV38S	3/8"
MBV12S	1/2"
MBV34S	3/4"



Type MBVM, Male x Female, BSPP

Product Code	Connection
MBVM18S	1/8"
MBVM14S	1/4"
MBVM38S	3/8"
MBVM12S	1/2"
MBVM34S	3/4"

316 Stainless Steel Mini Valves



Female x Female, BSPP

Product Code	Connection
980-1/4	1/4"
980-3/8	3/8"
980-1/2	1/2"



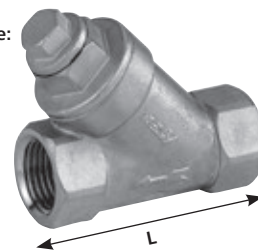
Male x Female, BSPP

Product Code	Connection
981-1/4	1/4"
981-3/8	3/8"
981-1/2	1/2"

316 Stainless Steel 'Y' Strainers

 **Working Temperature:**
+100°C

 **Working Pressure:**
800 psi

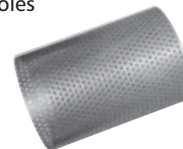


BSPP

Product Code	Connection	Length mm
2019-3953	1/4"	65
2019-3960	3/8"	65
2019-3967	1/2"	65
2019-3975	3/4"	80
2019-3983	1"	90
2019-3991	1.1/4"	105
2019-4031	1.1/2"	120
2019-4049	2"	140


Stainless Steel Screen for 'Y' Strainers

- 1.0mm per hole, 40 holes per square inch




Product Code	To Suit
2024-7656	1/2"
2024-7664	3/4"
2024-7672	1"
2024-7680	1.1/4"
2024-7698	1.1/2"
2024-7706	2"

316 Stainless Steel Ball Valves

 **Temperature Range:**
-20°C to +200°C

- Body: 316 Stainless Steel
- Seal: PTFE

 **Working Pressure:**
1/4" to 1.1/4" - 1000 psi
1.1/2" to 2" - 800 psi



NEW

1 Piece, Reduced Bore, Female, BSPP

Product Code	Connection
BV1-14	1/4"
BV1-38	3/8"
BV1-12	1/2"
BV1-34	3/4"
BV1-1	1"
BV1-114	1.1/4"
BV1-112	1.1/2"
BV1-2	2"

 **Working Pressure:**
1000 psi



NEW

2 Piece, Full Bore, Female, BSPP

Product Code	Connection
BV2-14	1/4"
BV2-38	3/8"
BV2-12	1/2"
BV2-34	3/4"
BV2-1	1"
BV2-114	1.1/4"
BV2-112	1.1/2"
BV2-2	2"
BV2-212	2.1/2"

 **Working Pressure:**
1000 psi



NEW

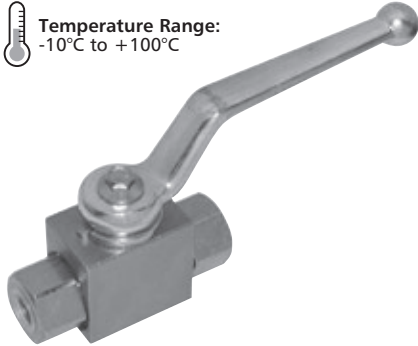
3 Piece, Full Bore, Female, BSPP, Lockable Handle

Product Code	Connection
BV3-14	1/4"
BV3-38	3/8"
BV3-12	1/2"
BV3-34	3/4"
BV3-1	1"
BV3-114	1.1/4"
BV3-112	1.1/2"
BV3-2	2"
BV3-3	3"

HYDRAULIC VALVES

Hydraulic Ball Valves

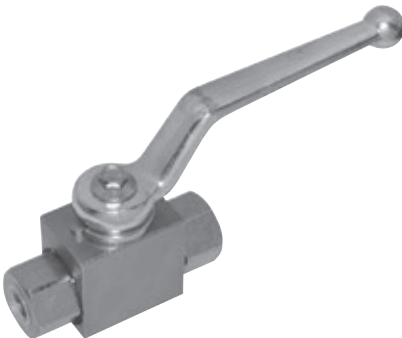
 Temperature Range:
-10°C to +100°C



High Pressure, Carbon Steel, BSPP

Product Code	Connection	Length mm	Max bar
HBV-14	1/4"	69	500
HBV-38	3/8"	72	500
HBV-12	1/2"	83	500
HBV-34	3/4"	95	315
HBV-1	1"	113	315
HBV-114S	1.1/4"	120	315
HBV-112	1.1/2"	130	350
HBV-2	2"	140	350

High Pressure 2 Way Ball Valves

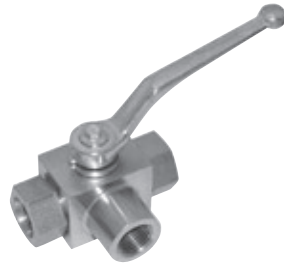


High Pressure, Carbon Steel Valves, BSPP

Product Code	Connection	Max. bar
BKH-14	1/4"	450
BKH-38	3/8"	450
BKH-12	1/2"	450
BKH-34	3/4"	300
BKH-1	1"	300
BKH-114	1.1/4"	315
BKH-112	1.1/2"	350

N.B. From 1.1/4" - 2" are supplied with flat handles.

3 Way Hydraulic Ball Valves



L Porting (DIN/ISO 228)

Product Code	Connection	Inner Ø mm	Max bar
HBVL-14	1/4"	6	400
HBVL-38	3/8"	9	400
HBVL-12	1/2"	11.5	350
HBVL-34	3/4"	18	350
HBVL-1	1"	22	350
HBVL-114	1.1/4"	22	350
HBVL-112	1.1/2"	35	350

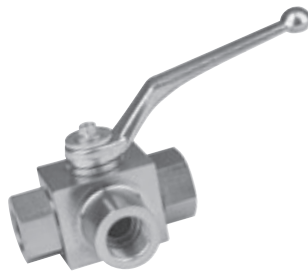
T Porting (DIN/ISO 228)

Product Code	Connection	Inner Ø mm	Max bar
HBVT-14	1/4"	6	400
HBVT-38	3/8"	9	400
HBVT-12	1/2"	11.5	350
HBVT-34	3/4"	18	350
HBVT-1	1"	22	350
HBVT-114	1.1/4"	22	350
HBVT-112	1.1/2"	35	350

All above are reduced bore.

N.B. From 1.1/4" - 2" are supplied with flat handles.

4 Way Hydraulic Ball Valves



T Porting (DIN/ISO 228)

Product Code	Connection	Max bar
H4BVT-14	1/4"	500
H4BVT-38	3/8"	500
H4BVT-12	1/2"	400
H4BVT-34	3/4"	315
H4BVT-1	1"	315

L Porting (DIN/ISO 228)

Product Code	Connection	Max bar
H4BVL-14	1/4"	500
H4BVL-38	3/8"	500
H4BVL-1	1"	315

X Porting (DIN/ISO 228)

Product Code	Connection	Max bar
H4BVX-14	1/4"	500
H4BVX-38	3/8"	500
H4BVX-12	1/2"	400
H4BVX-34	3/4"	315
H4BVX-1	1"	315

Needle Valves, Speed Control

 Temperature Range:
-10°C to +100°C

 Maximum Working Pressure:
350 bar



Female x Female, BSPP

Product Code	Connection	Length mm	LPM
NCV-14	1/4"	55	50
NCV-38	3/8"	65	75
NCV-12	1/2"	73	140
NCV-34	3/4"	88	175
NCV-1	1"	127	350

Needle Valves, Flow Control

 Temperature Range:
-10°C to +100°C

 Maximum Working Pressure:
350 bar



Female x Female, BSPP

Product Code	Connection	Length mm	LPM
INV-14	1/4"	48	50
INV-38	3/8"	58	75
INV-12	1/2"	68	140
INV-34	3/4"	78	175
INV-1	1"	108	350

Needle Valves

Temperature Range:
-20°C to +100°C

Maximum Working Pressure:
210 bar



In-line, Unidirectional
(Controlled Flow Both Ways)
Flow Control & Shut Off, BSPP

Product Code	Connection
1251-1010	1/8"
1251-1313	1/4"
1251-1717	3/8"
1251-2121	1/2"



Angled, In-line, Unidirectional
(Controlled Flow Both Ways)
Flow Control & Shut Off, BSPP

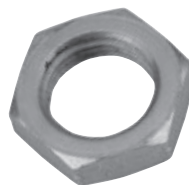
Product Code	Connection
1252-2010	1/8"
1252-2013	1/4"
1252-2017	3/8"
1252-2021	1/2"



In-line, Bidirectional
(Controlled Flow One Way)
with Free Reverse Flow, BSPP

Product Code	Connection
1253-3013	1/4"
1253-3017	3/8"
1253-3021	1/2"

Panel Mounting Nuts



For Series
INV & NCV

Product Code	To Suit
2570-13	1/4"
2570-17	3/8"
2570-21	1/2"
2570-26	3/4"

For Series 1251, 1252 & 1253

Product Code	To Suit
1203-1010	1/8"
1203-1313	1/4"
1203-1717	3/8"
1203-2121	1/2"

Needle Flow Control Valves



Unidirectional (Controlled Flow
Both Ways) Flow Control &
Shut Off (DIN/ISO 228)

Product Code	Connection	Max. bar
NDV-G1/8	1/8"	350
NDV-G1/4	1/4"	350
NDV-G3/8	3/8"	350
NDV-G1/2	1/2"	350
NDV-G3/4	3/4"	350
NDV-G1	1"	350
NDV-G114	1.1/4"	350
NDV-G112	1.1/2"	350

Bidirectional (Controlled
Flow One Way) Free Reverse
Flow (DIN/ISO 228)

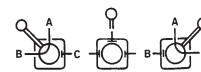
Product Code	Connection	Max. bar
NDRV-G1/8	1/8"	350
NDRV-G1/4	1/4"	350
NDRV-G3/8	3/8"	350
NDRV-G1/2	1/2"	350
NDRV-G3/4	3/4"	350
NDRV-G112	1.1/2"	350

Diverter Valves

Manufactured from machined
steel body with a hardened and
ground spool, and a chemically
blackened finish.

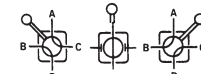


Three Port
2 Way



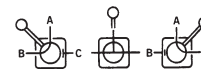
Product Code	Connection	LPM	Max bar
38-3DVL	3/8"	27	207
12-3DVL	1/2"	36	210
34-3DVL	3/4"	100	207
1-3DVL	1"	160	207

Four Port
Open Centre



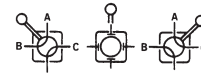
Product Code	Connection	LPM	Max bar
38-4DVOC	3/8"	27	207
12-4DVOC	1/2"	36	210

Three
Port T



Product Code	Connection	LPM	Max bar
38-3DVT	3/8"	27	207
12-3DVT	1/2"	36	210

Four Port
Closed Centre



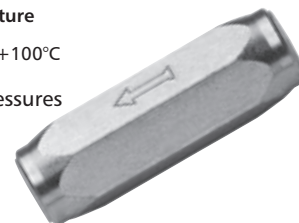
Product Code	Connection	LPM	Max bar
38-DVCC	3/8"	27	207
12-DVCC	1/2"	36	210
34-DVCC	3/4"	100	207

Hydraulic Non-return Valves

Temperature Range:
-10°C to +100°C

Cracking pressures
available on
request

Seal: Nitrile



High Pressure, Carbon Steel, BSPP

Product Code	Connection	Length mm	Max. bar
HNRV-14	1/4"	62	350
HNRV-38	3/8"	68	350
HNRV-12	1/2"	78	350
HNRV-34	3/4"	88	300
HNRV-1	1"	112	250

BRASS HOSE TAILS

This technical data is applicable to the full range of hose tail fittings and airline fittings including tees, elbows, reducers and silencers, etc.

- Threads:
Tapered in conformity with ISO 7.1, BS 21, DIN 2999
Parallel in conformity with ISO 228 class A
Metric in conformity with ISO R/262
- Media: compressed air, water, oils and fluids in general for the hydraulic and pneumatic fields

Male x Hose Tail, Brass



Male Thread, BSPT

Product Code	Connection	ID
GT10/04K	1/8"	1/8"
GT10/05K	1/8"	3/16"
GT10/06K	1/8"	1/4"
GT10/08K	1/8"	5/16"
GT10/09K	1/8"	3/8"
GT13/04K	1/4"	1/8"
GT13/05K	1/4"	3/16"
GT13/06K	1/4"	1/4"
GT13/08K	1/4"	5/16"
GT13/09K	1/4"	3/8"
GT13/13K	1/4"	1/2"
GT17/06K	3/8"	1/4"
GT17/08K	3/8"	5/16"
GT17/09K	3/8"	3/8"
GT17/13K	3/8"	1/2"
GT17/16K	3/8"	5/8"
GT17/19K	3/8"	3/4"
GT21/06K	1/2"	1/4"
GT21/08K	1/2"	5/16"
GT21/09K	1/2"	3/8"
GT21/13K	1/2"	1/2"
GT21/16K	1/2"	5/8"
GT21/19K	1/2"	3/4"
GT21/25K	1/2"	1"
GT26/09K	3/4"	3/8"
GT26/13K	3/4"	1/2"
GT26/16K	3/4"	5/8"
GT26/19K	3/4"	3/4"
GT26/25K	3/4"	1"
GT33/13K	1"	1/2"
GT33/19K	1"	3/4"
GT33/25K	1"	1"
GT33/31K	1"	1.1/4"
GT42/25K	1.1/4"	1"
GT42/31K	1.1/4"	1.1/4"
GT48/38K	1.1/2"	1.1/2"
GT52/50K	2"	2"



Temperatures & Pressures:
due to the vastness of this range, it is not possible to define the exact values of temperature and pressure valid for all the items. Hereunder, we specify the values of the maximum pressure advised.



Size:	Maximum Pressure:
1/8"	200 bar (2,900 psi)
1/4"	150 bar (2,100 psi)
3/8"	100 bar (1,450 psi)
1/2"	100 bar (1,450 psi)
3/4"	120 bar (1,750 psi)
1"	120 bar (1,750 psi)

Male x Hose Tail, Nickel Plated Brass



Male Thread, BSPT

Product Code	Connection	ID
GT10/04KNP	1/8"	1/8"
GT10/05KNP	1/8"	3/16"
GT10/06KNP	1/8"	1/4"
GT10/08KNP	1/8"	5/16"
GT10/09KNP	1/8"	3/8"
GT13/04KNP	1/4"	1/8"
GT13/05KNP	1/4"	3/16"
GT13/06KNP	1/4"	1/4"
GT13/08KNP	1/4"	5/16"
GT13/09KNP	1/4"	3/8"
GT13/13KNP	1/4"	1/2"
GT17/06KNP	3/8"	1/4"
GT17/08KNP	3/8"	5/16"
GT17/09KNP	3/8"	3/8"
GT17/13KNP	3/8"	1/2"
GT17/16KNP	3/8"	5/8"
GT17/19KNP	3/8"	3/4"
GT21/06KNP	1/2"	1/4"
GT21/08KNP	1/2"	5/16"
GT21/09KNP	1/2"	3/8"
GT21/13KNP	1/2"	1/2"
GT21/16KNP	1/2"	5/8"
GT21/19KNP	1/2"	3/4"
GT21/25KNP	1/2"	1"
GT26/09KNP	3/4"	3/8"
GT26/13KNP	3/4"	1/2"
GT26/16KNP	3/4"	5/8"
GT26/19KNP	3/4"	3/4"
GT26/25KNP	3/4"	1"
GT33/13KNP	1"	1/2"
GT33/19KNP	1"	3/4"
GT33/25KNP	1"	1"
GT33/31KNP	1"	1.1/4"
GT42/25KNP	1.1/4"	1"
GT42/31KNP	1.1/4"	1.1/4"
GT48/38KNP	1.1/2"	1.1/2"
GT52/50KNP	2"	2"

Male x Hose Tail



BSPP

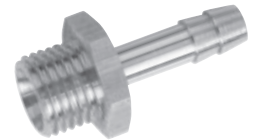
Product Code	Connection	ID
GBP-14	1/4"	6
GBP-38	3/8"	10
GBP-12	1/2"	13
GBP-34	3/4"	20
GBP-1	1"	25
GBP-114	1.1/4"	32
GBP-112	1.1/2"	38
GBP-2	2"	50
GBP-212	2.1/2"	63
GBP-3	3"	76
GBP-4	4"	102

Male Thread, NPTF



Product Code	Connection	ID mm
650-1004	1/8"	4
650-1005	1/8"	5
650-1006	1/8"	6
650-1305	1/4"	5
650-1306	1/4"	6
650-1308	1/4"	8
650-1310	1/4"	10
650-1706	3/8"	6
650-1710	3/8"	10
650-1713	3/8"	10
650-2110	1/2"	10
650-2113	1/2"	13

60° Coned Seat, Male Thread, BSPP



Product Code	Connection	ID
GT05/03	M5	3mm
GT05/04	M5	4mm
GT06/04	M6	4mm
GT10/04	1/8"	1/8"
GT10/06	1/8"	1/4"
GT10/08	1/8"	5/16"
GT10/09	1/8"	3/8"
GT13/04	1/4"	1/8"
GT13/06	1/4"	1/4"
GT13/08	1/4"	5/16"
GT13/09	1/4"	3/8"
GT13/13	1/4"	1/2"
GT17/06	3/8"	1/4"
GT17/08	3/8"	5/16"
GT17/09	3/8"	3/8"
GT17/13	3/8"	1/2"
GT21/06	1/2"	1/4"
GT21/09	1/2"	3/8"
GT21/13	1/2"	1/2"
GT26/13	3/4"	1/2"
GT26/16	3/4"	5/8"
GT26/19	3/4"	3/4"
GT33/25	1"	1"

Swivel Nut x Hose Tails

NEW



60° Coned Seat, BSPP

Product Code	BSPP	To Suit Hose ID
FH10/18	1/8"	1/8"
FH10/316	1/8"	3/16"
FH10/14	1/8"	1/4"
FH13/316	1/4"	3/16"
FH13/14	1/4"	1/4"
FH13/516	1/4"	5/16"
FH13/38	1/4"	3/8"
FH17/14	3/8"	1/4"
FH17/516	3/8"	5/16"
FH17/38	3/8"	3/8"
FH17/12	3/8"	1/2"
FH21/516	1/2"	5/16"
FH21/38	1/2"	3/8"
FH21/12	1/2"	1/2"
FH21/58	1/2"	5/8"
FH26/12	3/4"	1/2"
FH26/58	3/4"	5/8"
FH26/34	3/4"	3/4"
FH33/12	1"	1/2"
FH33/34	1"	3/4"
FH33/1	1"	1"
FH42/114	1.1/4"	1.1/4"
FH48/112	1.1/2"	1.1/2"
FH52/2	2"	2"

NEW



Flat Faced Seat with Washer, BSPP

Product Code	BSPP	To Suit Hose ID
FH10/18FF	1/8"	1/8"
FH10/316FF	1/8"	3/16"
FH10/14FF	1/8"	1/4"
FH13/316FF	1/4"	3/16"
FH13/14FF	1/4"	1/4"
FH13/516FF	1/4"	5/16"
FH13/38FF	1/4"	3/8"
FH17/14FF	3/8"	1/4"
FH17/516FF	3/8"	5/16"
FH17/38FF	3/8"	3/8"
FH17/12FF	3/8"	1/2"
FH21/516FF	1/2"	5/16"
FH21/38FF	1/2"	3/8"
FH21/12FF	1/2"	1/2"
FH21/58FF	1/2"	5/8"
FH26/12FF	3/4"	1/2"
FH26/58FF	3/4"	5/8"
FH26/34FF	3/4"	3/4"
FH33/1FF	1"	1"
FH42/114FF	1.1/4"	1.1/4"
FH48/112FF	1.1/2"	1.1/2"
FH52/2FF	2"	2"

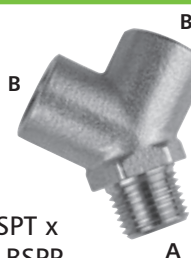
Y Connector



Female Thread, BSPP

Product Code	BSPP
ZO-10	1/8"
ZO-13	1/4"
ZO-17	3/8"
ZO-21	1/2"

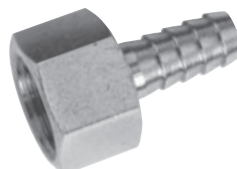
Y Connector, Male Inlet



Male Thread, BSPT x Female Thread, BSPP

Product Code	BSPT A	BSPP B
XO-10	1/8"	1/8"
XO-13	1/4"	1/4"
XO-17	3/8"	3/8"
XO-21	1/2"	1/2"

Female Hose Tail Fixed



Female Thread, BSPP

Product Code	BSPP	ID
FHT6/10	1/8"	6
FHT7/10	1/8"	7
FHT7/13	1/4"	7
FHT8/13	1/4"	8
FHT9/13	1/4"	9
FHT9/17	3/8"	9
FHT10/17	3/8"	10
FHT12/17	3/8"	12
FHT12/21	1/2"	12

Hose Joiners

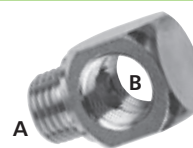


Brass

Product Code	ID
DS04/04	1/8"
DS05/05	3/16"
DS06/06	1/4"
DS08/08	5/16"
DS09/09	3/8"
DS13/13	1/2"
DS16/16	5/8"
DS19/19	3/4"
DS25/25	1"

Block Tee - Male x Female x Female

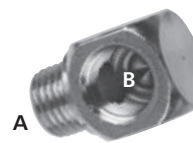
Male Thread, BSPP x Female Thread, BSPP



Product Code	BSPP A	BSPP B
6080-1/8	1/8"	1/8"
6080-1/4	1/4"	1/4"

Block Elbow, Male x Female

Male Thread, BSPP x Female Thread, BSPP





Product Code	BSPP A	BSPP B
6070-1/8	1/8"	1/8"
6070-1/4	1/4"	1/4"

FOR GREASE NIPPLES, SEE SECTION 1



RECTUS^R SERIES 19KA COUPLINGS

 **Temperature Range:**
-20°C to +100°C NBR

 **Working Pressure:**
PB = 35 bar
Standard Version:
Brass, Buna N Seal

△ Interchangeable with: PCL Standard Series

An Ultra-Flo valve coupling, Series 19 can often be used in place of larger, more costly couplings, with a pressure drop considerably lower than corresponding competitors. Series 19 provides substantial increases in productivity, tool efficiency and energy savings. Extremely high throughput due to Rectus Ultra-Flo valve. Hardened and nickel-plated steel sleeve. Coupling and uncoupling possible even in positions hard to access.

Options:

- C = Chrome plated
- D = Durnicoat
- V = Viton seals
- E = Ethylene propylene seals
- Other seals on request
- KF = Straight through version



Flow rate: 660 l/min

Couplings



Male Thread,
BSPT

Product Code	Connection	A/F	Length mm
19KAAK13MPX	1/4"	19	63
19KAAK17MPX	3/8"	19	63
19KAAK21MPX	1/2"	22	68

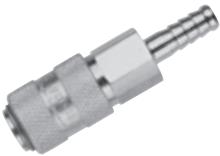
Viton or E.P. seals.



Female Thread,
BSPP

Product Code	Connection	A/F	Length mm
19KAIW13MPX	1/4"	19	58
19KAIW17MPX	3/8"	19	58
19KAIW21MPX	1/2"	24	60

Viton or E.P. seals.



Hose Tail

Product Code	Inner Diameter	A/F	Length mm
19KATF06MPX	6mm (1/4")	19	76
19KATF08MPX	8mm (5/16")	19	76
19KATF10MPX	10mm (3/8")	19	76
19KATF13MPX	13mm (1/2")	19	76

Viton or E.P. seals.

Plugs



Male Thread,
BSPT

Product Code	Connection	A/F	Length mm
19SFAK13SXN	1/4"	14	50
19SFAK17SXN	3/8"	17	50
19SFAK21SXN	1/2"	21	57



Female Thread,
BSPP

Product Code	Connection	A/F	Length mm
19SFIW13SXN	1/4"	17	46
19SFIW17SXN	3/8"	17	47
19SFIW21SXN	1/2"	19	47



Hose Tail

Product Code	Inner Diameter	Length mm
19SFTF05SXN	5mm	60
19SFTF06SXN	6mm (1/4")	60
19SFTF08SXN	8mm (5/16")	60
19SFTF10SXN	10mm (3/8")	60
19SFTF13SXN	13mm (1/2")	60

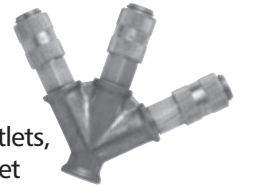
'Y' Connector



2 x Coupling Outlets,
1 x Plug Inlet

Product Code	Length mm
19Y	117

Triple Outlet Connectors



3 x Coupling Outlets,
1 x 3/8" BSPP Inlet

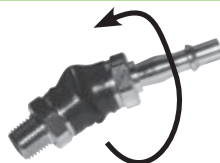
Product Code	Length mm
19W	111

3 x Coupling
Outlets, 1 x 1/4"
BSPP Inlet



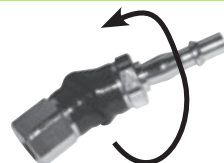
Product Code
M3-19

Free Angle Rotating Joint



BSPT, Male

Product Code	Connection
19FAAK13	1/4"
19FAAK17	3/8"
19FAAK21	1/2"



BSPP, Female

Product Code	Connection
19FAIW13	1/4"

Leader Hoses

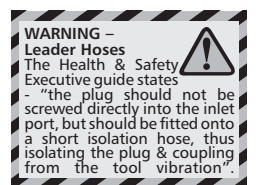


3/8" Bore Rubber-Tech
Hose, Plug One End,
Thread One End, BSPT

Product Code	Connection	Length mm
LH19/13K	1/4"	381
LH19/17K	3/8"	381
LH19/21K	1/2"	381


A 'Leader Hose' is a length of flexible hose which should be fitted between an air tool and the connecting coupling.

By absorbing the impact of a pneumatic impact tool, a leader hose will significantly increase the life expectancy of the coupling.



RECTUS^R SERIES 21KA COUPLINGS

 **Temperature Range:**
-20°C to +100°C NBR

 **Working Pressure:**
PB = 35 bar
Standard Version:
Brass, Nickel Plated,
Buna N Seal

△ Interchangeable with: Camozzi

Ideally suited for: medical, dental, air tools, robotics, laboratories, emission testing, breathing air, cooling lines.

Flow rate: 560 l/min

Options:

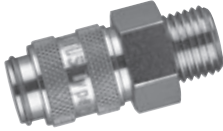
C = Chrome plated
D = Durnicoat
V = Viton seals
KF = Straight through version

KB = Double shut off
R = Stainless steel AISI 303
E = Stainless steel AISI316Ti
E = Ethylene Propylene seals,
other seals on request



Couplings

Male Thread, BSPP



Product Code	Connection	A/F	Length mm
21KAAW10MPN	1/8"	14	36
21KAAW13MPN	1/4"	17	38
21KAAW17MPN	3/8"	19	38

Viton or E.P. seals.

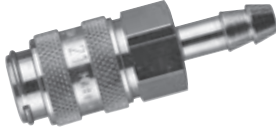
Female Thread, BSPP



Product Code	Connection	A/F	Length mm
21KAIW10MPN	1/8"	14	36
21KAIW13MPN	1/4"	17	38
21KAIW17MPN	3/8"	19	38

Viton or E.P. seals.

Hose Tail



Product Code	Inner Diameter	A/F	Length mm
21KATF04MPN	4mm	14	46
21KATF06MPN	6mm (1/4")	14	46
21KATF08MPN	8mm (5/16")	14	46
21KATF09MPN	9mm	14	46
21KATF10MPN	10mm (3/8")	14	46

Viton or E.P. seals.

Panel Mount, Standard Hose Tail



Product Code	Inner Diameter	A/F	Length mm
21KATS04MPN	4mm	14	60
21KATS06MPN	6mm (1/4")	17	60
21KATS08MPN	8mm (5/16")	17	60

Viton or E.P. seals.

Quick Fit Tube Connection



Product Code	Inner Diameter	A/F	Length mm
21KAKO06MPN	4 x 6	14	42
21KAKO08MPN	6 x 8	14	42

Viton or E.P. seals.

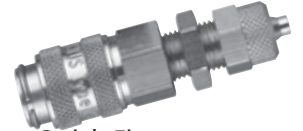
Panel Mount, BSPP



Product Code	Connection	A/F	Length mm
21KAAS10MPN	1/8"	14	43
21KAAS13MPN	1/4"	17	43

Viton or E.P. seals.

Panel Mount, Quick Fit Tube Connection



Product Code	Inner Diameter	A/F	Length mm
21KAKS06MPN	4 x 6	14	54
21KAKS08MPN	6 x 8	17	54

Viton or E.P. seals.

Quick Fit Tube Connection with Spring Guard



Product Code	Inner Diameter	A/F	Length mm
21KAKK06MPN	4 x 6	14	125
21KAKK08MPN	6 x 8	14	130

Viton or E.P. seals.

Plugs

Male Thread, BSPP



Product Code	Connection	A/F	Length mm
21SFAW10MXN	1/8"	14	25
21SFAW13MXN	1/4"	17	28
21SFAW17MXN	3/8"	17	28

Panel Mount, Standard Hose Tail



Product Code	Inner Diameter	A/F	Length mm
21SFTS04MXN	4mm	14	50
21SFTS05MXN	5mm	14	50
21SFTS06MXN	6mm (1/4")	14	50
21SFTS09MXN	9mm	14	50

Hose Tail



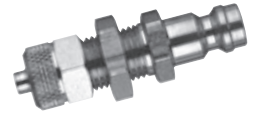
Product Code	Inner Diameter	Length mm
21SFTF04MXN	4mm	32
21SFTF05MXN	5mm	32
21SFTF06MXN	6mm (1/4")	32
21SFTF08MXN	8mm (5/16")	32
21SFTF09MXN	9mm	33
21SFTF10MXN	10mm (3/8")	33

Quick Fit Tube Connection



Product Code	Inner Diameter	Length mm
21SFKO06MXN	4 x 6	32
21SFKO08MXN	6 x 8	32

Panel Mount, Quick Fit Tube Connection



Product Code	Inner Diameter	A/F	Length mm
21SFKS06MXN	4 x 6	14	44
21SFKS08MXN	6 x 8	17	44

Female Thread, BSPP



Product Code	Connection	A/F	Length mm
21SFIW10MXN	1/8"	14	25
21SFIW13MXN	1/4"	17	25
21SFIW17MXN	3/8"	19	26

Quick Fit Tube Connection with Spring Guard



Product Code	Inner Diameter	Length mm
21SFKK06MXN	4 x 6	115
21SFKK08MXN	6 x 8	120

Couplings

Male Thread, BSPT



Product Code	Connection	A/F	Length mm
25KAAK13MPN	1/4"	19	60
25KAAK17MPN	3/8"	19	60
25KAAK21MPN	1/2"	22	61

Seal variations available on request.

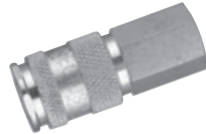
Quick Fit Tube Connection



Product Code	Inner Diameter	A/F	Length mm
25KAKO08MPN	6 x 8	19	60

Seal variations available on request.

Female Thread, BSPP



Product Code	Connection	A/F	Length mm
25KAIW13MPN	1/4"	19	56
25KAIW17MPN	3/8"	19	55
25KAIW21MPN	1/2"	24	58

Seal variations available on request.

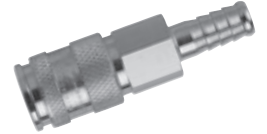
Panel Mount, Standard Hose Tail



Product Code	Inner Diameter	A/F	Length mm
25KATS06MPN	6mm (1/4")	19	76
25KATS08MPN	8mm (5/16")	19	80
25KATS10MPN	10mm (3/8")	19	87

Seal variations available on request.

Hose Tail



Product Code	Inner Diameter	A/F	Length mm
25KATF06MPN	6mm (1/4")	19	74
25KATF08MPN	8mm (5/16")	19	74
25KATF09MPN	9mm	19	74
25KATF10MPN	10mm (3/8")	19	74
25KATF13MPN	13mm (1/2")	19	74

Seal variations available on request.

Quick Fit Tube Connection with Spring Guard



Product Code	Inner Diameter	A/F	Length mm
25KAKK08MPN	6 x 8	19	144
25KAKK10MPN	8 x 10	19	155

Seal variations available on request.

Plugs

Male Thread, (Steel), BSPT



Product Code	Connection	A/F	Length mm
25SFAK10SXN	1/8"	13	33
25SFAK13SXN	1/4"	14	37
25SFAK17SXN	3/8"	17	37
25SFAK21SXN	1/2"	22	43

Quick Fit Tube Connection, (Brass)



Product Code	Inner Diameter	Length mm
25SFKO06MXN	4 x 6	34
25SFKO08MXN	6 x 8	34
25SFKO10MXN	8 x 10	42
25SFKO12MXN	9 x 12	42

Female Thread, (Steel), BSPP



Product Code	Connection	A/F	Length mm
25SFIW10SXN	1/8"	14	30
25SFIW13SXN	1/4"	17	38.5
25SFIW17SXN	3/8"	19	39.5
25SFIW21SXN	1/2"	24	44

Panel Mount, Standard Hose Barb, (Brass)



Product Code	Inner Diameter	A/F	Length mm
25SFTS06MXN	6mm (1/4")	14	56
25SFTS08MXN	8mm (5/16")	14	56
25SFTS10MXN	10mm (3/8")	17	56

Hose Tail, (Steel)



Product Code	Inner Diameter	Length mm
25SFTF06SXN	6mm (1/4")	48
25SFTF08SXN	8mm (5/16")	48
25SFTF09SXN	9mm	48
25SFTF10SXN	10mm (3/8")	48
25SFTF13SXN	13mm (1/2")	48

Quick Fit Tube Connection with Spring Guard, (Brass)



Product Code	Inner Diameter	Length mm
25SFKK06MXN	4 x 6	111

Recoil Eliminator (Anti-Whip)

Hose Connection, (Steel)



Product Code	Connection	A/F	Length mm
25SRTF06SXN	6mm (1/4")	21	60
25SRTF10SXN	10mm (3/8")	21	60
25SRTF13SXN	6mm (1/2")	21	60

Free Angle Rotating Joint

BSPT, Male



Product Code	Connection
25FAAK13SPN	1/4"

BSPP Male x BSPP Female Thread



Product Code	Connection
FA13A13ISP	1/4"
FA17A17ISP	3/8"

This rotating joint, when installed between the airline and hand tool, reduces operator wrist and elbow strain. It also acts as a universal joint and prevents kinks appearing in the airline.

Temperature Range:
-20°C to +100°C Standard Seal NBR

Maximum Static Working Pressure:
PB = 35 bar (500 psi)

Interchangeability:
Cejn 320, Festo KD Series

Material:
Brass

Application:
General purpose pneumatic coupling

Request Tech-Sheet No. 520
for Technical Information.



Couplings

NEW



Male Thread, BSPP

Product Code	Thread	Hex mm	Length mm
26KAAW10MPX	1/8"	22	43
26KAAW13MPX	1/4"	22	39
26KAAW17MPX	3/8"	22	41
26KAAW21MPX	1/2"	22	44

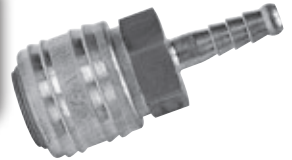
NEW



Female Thread, BSPP

Product Code	Thread	Hex mm	Length mm
26KAIW13MPX	1/4"	22	41
26KAIW17MPX	3/8"	22	41
26KAIW21MPX	1/2"	24	44

NEW



Hose Tail

Product Code	Hose ID	Hex mm	Length mm
26KATF06MPX	1/4"	21	58
26KATF08MPX	5/16"	21	58
26KATF09MPX	9mm	21	58
26KATF10MPX	3/8"	21	58
26KATF13MPX	1/2"	21	58

Plugs

All of these plugs will connect with the Series 25 Couplings.

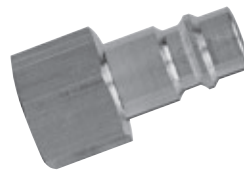
NEW



Male Thread, BSPP

Product Code	Thread	Hex mm	Length mm
25SFAW10MXX	1/8"	14	31
25SFAW13MXX	1/4"	17	33
25SFAW17MXX	3/8"	19	33
25SFAW21MXX	1/2"	24	38

NEW



Female Thread, BSPP

Product Code	Thread	Hex mm	Length mm
25SFIW10MXX	1/8"	14	30
25SFIW13MXX	1/4"	17	33
25SFIW17MXX	3/8"	19	33
25SFIW21MXX	1/2"	24	35

NEW



Hose Tail

Product Code	Hose ID	Length mm
25SFTF06MXX	1/4"	48
25SFTF08MXX	5/16"	48
25SFTF09MXX	9mm	48
25SFTF10MXX	3/8"	48
25SFTF13MXX	1/2"	48

Y Connector

NEW



2 x Coupling Outlets,
1 x Plug Inlet

Product Code	Length mm
26Y	90

Triple Outlet Connector

NEW



3 x Coupling Outlets,
1 x 3/8" BSPP Inlet

Product Code	Length mm
26W	96

Aluminium Couplings

Request Tech-Sheet No. 532 for Technical Information.

A



Female Threaded Plug, BSPP

Product Code	Description
A12-AU	1/2"
A34-AU	3/4"
A1-AU	1"
A114-AU	1.1/4"
A112-AU	1.1/2"
A2-AU	2"
A212-AU	2.1/2"
A3-AU	3"
A4-AU	4"
A6-AU	6"

Female Threaded Plug, BSPP

Product Code	Description
A12-AU-NPT	1/2"
A34-AU-NPT	3/4"
A1-AU-NPT	1"
A114-AU-NPT	1.1/4"
A112-AU-NPT	1.1/2"
A2-AU-NPT	2"
A212-AU-NPT	2.1/2"
A3-AU-NPT	3"
A4-AU-NPT	4"
A6-AU-NPT	6"

B

N.B. 1/2" sizes are only supplied with one locking arm.



Male Threaded Lever Coupling, BSPT

Product Code	Description
B12-AU	1/2"
B34-AU	3/4"
B1-AU	1"
B114-AU	1.1/4"
B112-AU	1.1/2"
B2-AU	2"
B212-AU	2.1/2"
B3-AU	3"
B4-AU	4"

Male Threaded Lever Coupling, NPT

Product Code	Description
B12-AU-NPT	1/2"
B34-AU-NPT	3/4"
B1-AU-NPT	1"
B114-AU-NPT	1.1/4"
B112-AU-NPT	1.1/2"
B2-AU-NPT	2"
B212-AU-NPT	2.1/2"
B3-AU-NPT	3"
B4-AU-NPT	4"
B6-AU-NPT	6"

C

N.B. 1/2" sizes are only supplied with one locking arm.



Hose Tail Lever Coupling

Product Code	Description
C12-AU	1/2"
C34-AU	3/4"
C1-AU	1"
C114-AU	1.1/4"
C112-AU	1.1/2"
C2-AU	2"
C212-AU	2.1/2"
C3-AU	3"
C4-AU	4"
C6-AU	6"

D

N.B. 1/2" sizes are only supplied with one locking arm.



Female Lever Coupling, BSPP

Product Code	Description
D12-AU	1/2"
D34-AU	3/4"
D1-AU	1"
D114-AU	1.1/4"
D112-AU	1.1/2"
D2-AU	2"
D212-AU	2.1/2"
D3-AU	3"
D4-AU	4"
D6-AU	6"

Female Lever Coupling, NPT

Product Code	Description
D12-AU-NPT	1/2"
D34-AU-NPT	3/4"
D1-AU-NPT	1"
D114-AU-NPT	1.1/4"
D112-AU-NPT	1.1/2"
D2-AU-NPT	2"
D212-AU-NPT	2.1/2"
D3-AU-NPT	3"
D4-AU-NPT	4"
D6-AU-NPT	6"

E



Hose Tail

Product Code	Description
E12-AU	1/2"
E34-AU	3/4"
E1-AU	1"
E114-AU	1.1/4"
E112-AU	1.1/2"
E2-AU	2"
E212-AU	2.1/2"
E3-AU	3"
E4-AU	4"
E6-AU	6"

F



Male Threaded Plug, BSPT

Product Code	Description
F12-AU	1/2"
F34-AU	3/4"
F1-AU	1"
F114-AU	1.1/4"
F112-AU	1.1/2"
F2-AU	2"
F212-AU	2.1/2"
F3-AU	3"
F4-AU	4"
F6-AU	6"

Male Threaded Plug, NPT

Product Code	Description
F12-AU-NPT	1/2"
F34-AU-NPT	3/4"
F1-AU-NPT	1"
F114-AU-NPT	1.1/4"
F112-AU-NPT	1.1/2"
F2-AU-NPT	2"
F212-AU-NPT	2.1/2"
F3-AU-NPT	3"
F4-AU-NPT	4"
F6-AU-NPT	6"

G



Dust Plug

Product Code	Description
DP12-AU	1/2"
DP34-AU	3/4"
DP1-AU	1"
DP114-AU	1.1/4"
DP112-AU	1.1/2"
DP2-AU	2"
DP212-AU	2.1/2"
DP3-AU	3"
DP4-AU	4"
DP6-AU	6"

N.B. 1/2" sizes are only supplied with one locking arm.



Lever Stop

Product Code	Description
DC12-AU	1/2"
DC34-AU	3/4"
DC1-AU	1"
DC114-AU	1.1/4"
DC112-AU	1.1/2"
DC2-AU	2"
DC212-AU	2.1/2"
DC3-AU	3"
DC4-AU	4"
DC6-AU	6"

Polypropylene Couplings

Request Tech-Sheet No. 532 for Technical Information.

A



Female Threaded Plug, BSPP

Product Code	Description
A12-PP	1/2"
A34-PP	3/4"
A1-PP	1"
A114-PP	1.1/4"
A112-PP	1.1/2"
A2-PP	2"
A3-PP	3"
A4-PP	4"

Female Threaded Plug, NPT

Product Code	Description
A12/34-PP-NPT	1/2"
A34-PP-NPT	3/4"
A1-PP-NPT	1"
A114-PP-NPT	1.1/4"
A112-PP-NPT	1.1/2"
A2-PP-NPT	2"
A3-PP-NPT	3"
A4-PP-NPT	4"

B

N.B. 1/2" sizes are only supplied with one locking arm.



Male Threaded Lever Coupling, BSPT

Product Code	Description
B12-PP	1/2"
B34-PP	3/4"
B1-PP	1"
B114-PP	1.1/4"
B112-PP	1.1/2"
B2-PP	2"
B3-PP	3"

Male Threaded Lever Coupling, NPT

Product Code	Description
B12/34-PP-NPT	1/2"
B34-PP-NPT	3/4"
B1-PP-NPT	1"
B114-PP-NPT	1.1/4"
B112-PP-NPT	1.1/2"
B2-PP-NPT	2"
B3-PP-NPT	3"
B4-PP-NPT	4"

C

N.B. 1/2" sizes are only supplied with one locking arm.



Hose Tail Lever Coupling

Product Code	Description
C12-PP	1/2"
C34-PP	3/4"
C1-PP	1"
C114-PP	1.1/4"
C112-PP	1.1/2"
C2-PP	2"
C3-PP	3"
C4-PP	4"

D

N.B. 1/2" sizes are only supplied with one locking arm.



Female Lever Coupling, BSPP

Product Code	Description
D12-PP	1/2"
D34-PP	3/4"
D1-PP	1"
D114-PP	1.1/4"
D112-PP	1.1/2"
D2-PP	2"
D3-PP	3"
D4-PP	4"

Female Lever Coupling, NPT

Product Code	Description
D12/34-PP-NPT	1/2"
D34-PP-NPT	3/4"
D1-PP-NPT	1"
D114-PP-NPT	1.1/4"
D112-PP-NPT	1.1/2"
D2-PP-NPT	2"
D3-PP-NPT	3"
D4-PP-NPT	4"

E



Hose Tail

Product Code	Description
E12-PP	1/2"
E34-PP	3/4"
E1-PP	1"
E114-PP	1.1/4"
E112-PP	1.1/2"
E2-PP	2"
E3-PP	3"
E4-PP	4"

F



Male Threaded Plug, BSPT

Product Code	Description
F12-PP	1/2"
F34-PP	3/4"
F1-PP	1"
F114-PP	1.1/4"
F112-PP	1.1/2"
F2-PP	2"
F3-PP	3"
F4-PP	4"

Male Threaded Plug, NPT

Product Code	Description
F12/34-PP-NPT	1/2"
F34-PP-NPT	3/4"
F1-PP-NPT	1"
F114-PP-NPT	1.1/4"
F112-PP-NPT	1.1/2"
F2-PP-NPT	2"
F3-PP-NPT	3"
F4-PP-NPT	4"

Dust Plug

Product Code	Description
DP34-PP	3/4"
DP1-PP	1"
DP114-PP	1.1/4"
DP112-PP	1.1/2"
DP2-PP	2"
DP3-PP	3"

Lever Stop

Product Code	Description
DC34-PP	3/4"
DC1-PP	1"
DC114-PP	1.1/4"
DC112-PP	1.1/2"
DC2-PP	2"
DC3-PP	3"

FOR HOSE, SEE SECTION 9



316 Stainless Steel Couplings

Request Tech-Sheet No. 532 for Technical Information.

A



Female Threaded Plug, BSPP

Product Code	Description
A12-SS	1/2"
A34-SS	3/4"
A1-SS	1"
A114-SS	1.1/4"
A112-SS	1.1/2"
A2-SS	2"
A212-SS	2.1/2"
A3-SS	3"
A4-SS	4"
A6-SS	6"

Female Threaded Plug, NPT

Product Code	Description
A12-SS-NPT	1/2"
A34-SS-NPT	3/4"
A1-SS-NPT	1"
A114-SS-NPT	1.1/4"
A112-SS-NPT	1.1/2"
A2-SS-NPT	2"
A212-SS-NPT	2.1/2"
A3-SS-NPT	3"
A4-SS-NPT	4"

B

N.B. 1/2" sizes are only supplied with one locking arm.



Male Threaded Lever Coupling, BSPT

Product Code	Description
B12-SS	1/2"
B34-SS	3/4"
B1-SS	1"
B114-SS	1.1/4"
B112-SS	1.1/2"
B2-SS	2"
B212-SS	2.1/2"
B3-SS	3"
B4-SS	4"

Male Threaded Lever Coupling, NPT

Product Code	Description
B12-SS-NPT	1/2"
B34-SS-NPT	3/4"
B1-SS-NPT	1"
B114-SS-NPT	1.1/4"
B112-SS-NPT	1.1/2"
B2-SS-NPT	2"
B212-SS-NPT	2.1/2"
B3-SS-NPT	3"
B4-SS-NPT	4"

C

N.B. 1/2" sizes are only supplied with one locking arm.



Hose Tail Lever Coupling

Product Code	Description
C12-SS	1/2"
C34-SS	3/4"
C1-SS	1"
C114-SS	1.1/4"
C112-SS	1.1/2"
C2-SS	2"
C212-SS	2.1/2"
C3-SS	3"
C4-SS	4"

D

N.B. 1/2" sizes are only supplied with one locking arm.



Female Lever Coupling, BSPP

Product Code	Description
D12-SS	1/2"
D34-SS	3/4"
D1-SS	1"
D114-SS	1.1/4"
D112-SS	1.1/2"
D2-SS	2"
D212-SS	2.1/2"
D3-SS	3"
D4-SS	4"
D6-SS	6"

Female Lever Coupling, NPT

Product Code	Description
D12-SS-NPT	1/2"
D34-SS-NPT	3/4"
D1-SS-NPT	1"
D114-SS-NPT	1.1/4"
D112-SS-NPT	1.1/2"
D2-SS-NPT	2"
D212-SS-NPT	2.1/2"
D3-SS-NPT	3"
D4-SS-NPT	4"

E



Hose Tail

Product Code	Description
E12-SS	1/2"
E34-SS	3/4"
E1-SS	1"
E114-SS	1.1/4"
E112-SS	1.1/2"
E2-SS	2"
E212-SS	2.1/2"
E3-SS	3"
E4-SS	4"

F



Male Threaded Plug, BSPT

Product Code	Description
F12-SS	1/2"
F34-SS	3/4"
F1-SS	1"
F114-SS	1.1/4"
F112-SS	1.1/2"
F2-SS	2"
F212-SS	2.1/2"
F3-SS	3"
F4-SS	4"

Male Threaded Plug, NPT

Product Code	Description
F12-SS-NPT	1/2"
F34-SS-NPT	3/4"
F1-SS-NPT	1"
F114-SS-NPT	1.1/4"
F112-SS-NPT	1.1/2"
F2-SS-NPT	2"
F212-SS-NPT	2.1/2"
F3-SS-NPT	3"
F4-SS-NPT	4"

Dust Plug

Product Code	Description
DP12-SS	1/2"
DP34-SS	3/4"
DP1-SS	1"
DP112-SS	1.1/2"
DP2-SS	2"
DP212-SS	2.1/2"
DP3-SS	3"

Lever Stop

Product Code	Description
DC34-SS	3/4"
DC1-SS	1"
DC114-SS	1.1/4"
DC112-SS	1.1/2"
DC2-SS	2"
DC3-SS	3"
DC4-SS	4"
DC6-SS	6"

FOR HOSE REELS, SEE SECTION 11



GLYCERINE GAUGES

Stainless Steel Case, Bottom Connection



Thread Bottom, BSPT

Product Code	Connection BSPT	Diameter mm	PSI Scale	Bar Scale
G63-001BG	1/4"	63	0-15	0-1
G63-002BG	1/4"	63	0-30	0-2
G63-004BG	1/4"	63	0-60	0-4
G63-006BG	1/4"	63	0-100	0-6
G63-012BG	1/4"	63	0-200	0-12
G63-020BG	1/4"	63	0-300	0-20
G63-025BG	1/4"	63	0-400	0-25
G63-040BG	1/4"	63	0-600	0-40
G63-060BG	1/4"	63	0-1000	0-60
G63-120BG	1/4"	63	0-2000	0-120
G63-200BG	1/4"	63	0-3000	0-200
G63-250BG	1/4"	63	0-4000	0-250
G63-400BG	1/4"	63	0-6000	0-400
G63-600BG	1/4"	63	0-9000	0-600
VG63-01BG	1/4"	63	-30" Hg	-1 bar



Thread Bottom, BSPP

Product Code	Connection BSPP	Diameter mm	PSI Scale	Bar Scale
PG63-001BG	1/4"	63	0-15	0-1
PG63-002BG	1/4"	63	0-30	0-2
PG63-004BG	1/4"	63	0-60	0-4
PG63-006BG	1/4"	63	0-100	0-6
PG63-012BG	1/4"	63	0-200	0-12
PG63-020BG	1/4"	63	0-300	0-20
PG63-025BG	1/4"	63	0-400	0-25
PG63-040BG	1/4"	63	0-600	0-40
PG63-060BG	1/4"	63	0-1000	0-60
PG63-120BG	1/4"	63	0-2000	0-120
PG63-200BG	1/4"	63	0-3000	0-200
PG63-250BG	1/4"	63	0-4000	0-250
PG63-400BG	1/4"	63	0-6000	0-400
PG63-600BG	1/4"	63	0-9000	0-600

All pressure gauges can be supplied with a Calibration Certificate at a nominal charge. Please call our Sales Department for price and delivery.

Stainless Steel Case, Heavy Duty, Bottom Connection

Thread Bottom, BSPP

Product Code	Connection BSPP	Diameter mm	PSI Scale	Bar Scale
HG100-002B	1/2"	100	0-36	0-2.5
HG100-004B	1/2"	100	0-58	0-4
HG100-006B	1/2"	100	0-87	0-6
HG100-010B	1/2"	100	0-145	0-10
HG100-016B	1/2"	100	0-232	0-16
HG100-040B	1/2"	100	0-580	0-40
HG100-100B	1/2"	100	0-1450	0-100
HG100-160B	1/2"	100	0-2320	0-160
HG100-250B	1/2"	100	0-3625	0-250
HG100-400B	1/2"	100	0-5800	0-400



Stainless Steel Case, Centre Back Connection



Thread Rear, BSPT

Product Code	Connection BSPT	Diameter mm	PSI Scale	Bar Scale
G63-001RG	1/4"	63	0-15	0-1
G63-002RG	1/4"	63	0-30	0-2
G63-004RG	1/4"	63	0-60	0-4
G63-006RG	1/4"	63	0-100	0-6
G63-012RG	1/4"	63	0-200	0-12
G63-020RG	1/4"	63	0-300	0-20
G63-025RG	1/4"	63	0-400	0-25
G63-040RG	1/4"	63	0-600	0-40
G63-060RG	1/4"	63	0-1000	0-60
G63-120RG	1/4"	63	0-2000	0-120
G63-200RG	1/4"	63	0-3000	0-200
G63-250RG	1/4"	63	0-4000	0-250
G63-400RG	1/4"	63	0-6000	0-400
G63-600RG	1/4"	63	0-9000	0-600
VG63-01RG	1/4"	63	-30" Hg	-1 bar



Thread Rear, BSPP

Product Code	Connection BSPP	Diameter mm	PSI Scale	Bar Scale
PG63-001RG	1/4"	63	0-15	0-1
PG63-002RG	1/4"	63	0-30	0-2
PG63-004RG	1/4"	63	0-60	0-4
PG63-006RG	1/4"	63	0-100	0-6
PG63-012RG	1/4"	63	0-200	0-12
PG63-020RG	1/4"	63	0-300	0-20
PG63-025RG	1/4"	63	0-400	0-25
PG63-040RG	1/4"	63	0-600	0-40
PG63-060RG	1/4"	63	0-1000	0-60
PG63-120RG	1/4"	63	0-2000	0-120
PG63-200RG	1/4"	63	0-3000	0-200
PG63-250RG	1/4"	63	0-4000	0-250
PG63-400RG	1/4"	63	0-6000	0-400
PG63-600RG	1/4"	63	0-9000	0-600

All Stainless Steel Gauges, Bottom Connection



Bottom Connection, 1/4" Thread Bottom, BSPP

Product Code	Connection BSPP	Diameter mm	PSI Scale	Bar Scale
SSG63-001BG	1/4"	63	0-15	0-1
SSG63-004BG	1/4"	63	0-60	0-4
SSG63-012BG	1/4"	63	0-200	0-12
SSG63-025BG	1/4"	63	0-400	0-25
SSG63-060BG	1/4"	63	0-1000	0-60
SSG63-200BG	1/4"	63	0-3000	0-200
SSG63-400BG	1/4"	63	0-6000	0-400



Bottom Connection, 1/2" Thread Bottom, BSPP

Product Code	Connection BSPP	Diameter mm	PSI Scale	Bar Scale
SHG100-002BG	1/2"	100	0-30	0-2
SHG100-006BG	1/2"	100	0-100	0-6
SHG100-016BG	1/2"	100	0-250	0-16
SHG100-040BG	1/2"	100	0-600	0-40
SHG100-100BG	1/2"	100	0-1500	0-100
SHG100-250BG	1/2"	100	0-4000	0-250
SHG100-600BG	1/2"	100	0-9000	0-600



Centre Back Connection, 1/4" Thread Rear, BSPP

Product Code	Connection BSPP	Diameter mm	PSI Scale	Bar Scale
2038-8583	1/4"	40	0-200	0-12
2038-8591	1/4"	40	0-300	0-20
2038-8609	1/4"	40	0-600	0-40
2038-8625	1/4"	40	0-900	0-60
2038-8633	1/4"	40	0-4000	0-250
2038-8534	1/4"	63	0-200	0-12
2038-8567	1/4"	63	0-900	0-60
2038-8575	1/4"	63	0-4000	0-250



Centre Back Connection, 1/2" Thread Rear, BSPP

Product Code	Connection BSPP	Diameter mm	PSI Scale	Bar Scale
2038-8435	1/2"	100	0-200	0-12
2038-8443	1/2"	100	0-300	0-20
2038-8450	1/2"	100	0-600	0-40
2038-8476	1/2"	100	0-4000	0-250

Heavy Duty, Bottom Connection

NEW



Thread Bottom,
BSPP

Product Code	Connection BSPP	Diameter mm	PSI Scale	Bar Scale
WG63-14B-1G	1/4"	63	1	15
WG63-14B-1.6G	1/4"	63	1.6	25
WG63-14B-2.5G	1/4"	63	2.5	40
WG63-14B-4G	1/4"	63	4	60
WG63-14B-6G	1/4"	63	6	90
WG63-14B-10G	1/4"	63	10	160
WG63-14B-16G	1/4"	63	16	230
WG63-14B-25G	1/4"	63	25	400
WG63-14B-40G	1/4"	63	40	600
WG63-14B-60G	1/4"	63	60	900
WG63-14B-100G	1/4"	63	100	1600
WG63-14B-160G	1/4"	63	160	2300
WG63-14B-250G	1/4"	63	250	4000
WG63-14B-400G	1/4"	63	400	6000
WG63-14B-600G	1/4"	63	600	9000
WG100-38B-2.5G	3/8"	100	2.5	40
WG100-38B-4G	3/8"	100	4	60
WG100-38B-6G	3/8"	100	6	90
WG100-38B-10G	3/8"	100	10	160
WG100-38B-16G	3/8"	100	16	230
WG100-38B-40G	3/8"	100	40	600
WG100-12B-100G	1/2"	100	100	1600
WG100-12B-160G	1/2"	100	160	2300
WG100-12B-250G	1/2"	100	250	4000
WG100-12B-400G	1/2"	100	400	6000
WG100-12B-600G	1/2"	100	600	9000

Heavy Duty, Centre Back Connection

NEW



Thread Rear, BSPP

Product Code	Connection BSPP	Diameter mm	PSI Scale	Bar Scale
WG63-14R-1G	1/4"	63	1	15
WG63-14R-1.6G	1/4"	63	1.6	25
WG63-14R-2.5G	1/4"	63	2.5	40
WG63-14R-4G	1/4"	63	4	60
WG63-14R-6G	1/4"	63	6	90
WG63-14R-10G	1/4"	63	10	160
WG63-14R-16G	1/4"	63	16	230
WG63-14R-25G	1/4"	63	25	400
WG63-14R-40G	1/4"	63	40	600
WG63-14R-60G	1/4"	63	60	900
WG63-14R-100G	1/4"	63	100	1600
WG63-14R-160G	1/4"	63	160	2300
WG63-14R-250G	1/4"	63	250	3600
WG63-14R-400G	1/4"	63	400	6000
WG63-14R-600G	1/4"	63	600	9000
WG100-38R-2.5G	3/8"	100	2.5	40
WG100-38R-4G	3/8"	100	4	60
WG100-38R-6G	3/8"	100	6	90
WG100-38R-10G	3/8"	100	10	160
WG100-38R-16G	3/8"	100	16	230
WG100-38R-40G	3/8"	100	40	600
WG100-12R-100G	1/2"	100	100	1600
WG100-12R-160G	1/2"	100	160	2300
WG100-12R-250G	1/2"	100	250	4000
WG100-12R-400G	1/2"	100	400	6000
WG100-12R-600G	1/2"	100	600	9000

DRY GAUGES

ABS Case, Bottom Connection



Thread Bottom,
BSPT

Product Code	Connection BSPT	Diameter mm	PSI Scale	Bar Scale
G50-01B	1/8"	50	0-15	0-1
G50-02B	1/8"	50	0-30	0-2
G50-04B	1/8"	50	0-60	0-4
G50-06B	1/8"	50	0-100	0-6
G50-10B	1/8"	50	0-160	0-10
G50-12B	1/8"	50	0-200	0-12
G50-02C	1/4"	50	0-30	0-2
G50-04C	1/4"	50	0-60	0-4
G50-06C	1/4"	50	0-100	0-6
G50-10C	1/4"	50	0-160	0-10
G50-12C	1/4"	50	0-200	0-12
G100-04B	3/8"	100	0-60	0-4
G100-06B	3/8"	100	0-100	0-6
G100-10B	3/8"	100	0-160	0-10
G100-14B	3/8"	100	0-200	0-14

ABS Case, Centre Back Connection



Thread Rear,
BSPT

Product Code	Connection BSPT	Diameter mm	PSI Scale	Bar Scale
G40-01R	1/8"	40	0-15	0-1
G40-02R	1/8"	40	0-30	0-2
G40-04R	1/8"	40	0-60	0-4
G40-06R	1/8"	40	0-100	0-6
G40-07R	1/8"	40	0-100	0-7
G40-10R	1/8"	40	0-160	0-10
G40-12R	1/8"	40	0-200	0-12
G40-20R	1/8"	40	0-300	0-20
G50-01R	1/8"	50	0-15	0-1
G50-02R	1/8"	50	0-30	0-2
G50-04R	1/8"	50	0-60	0-4
G50-06R	1/8"	50	0-100	0-6
G50-10R	1/8"	50	0-160	0-10
G50-12R	1/8"	50	0-200	0-12
G50-20R	1/8"	50	0-300	0-20
G50-02T	1/4"	50	0-30	0-2
G50-04T	1/4"	50	0-60	0-4
G50-06T	1/4"	50	0-100	0-6
G50-10T	1/4"	50	0-160	0-10
G50-20T	1/4"	50	0-300	0-20

Vacuum Gauges, Centre Back Connection

NEW



Thread Rear,
BSPT

Product Code	Connection BSPT	Diameter mm	PSI Scale	Max Bar
VG40-01R	1/8"	40	-30	-1
VG50-01R	1/8"	50	-30	-1
VG40-01T	1/4"	50	-30	-1
VG63-01T	1/4"	63	-30	-1
VG100-01T	3/8"	100	-30	-1

Vacuum Gauges, Bottom Connection

NEW



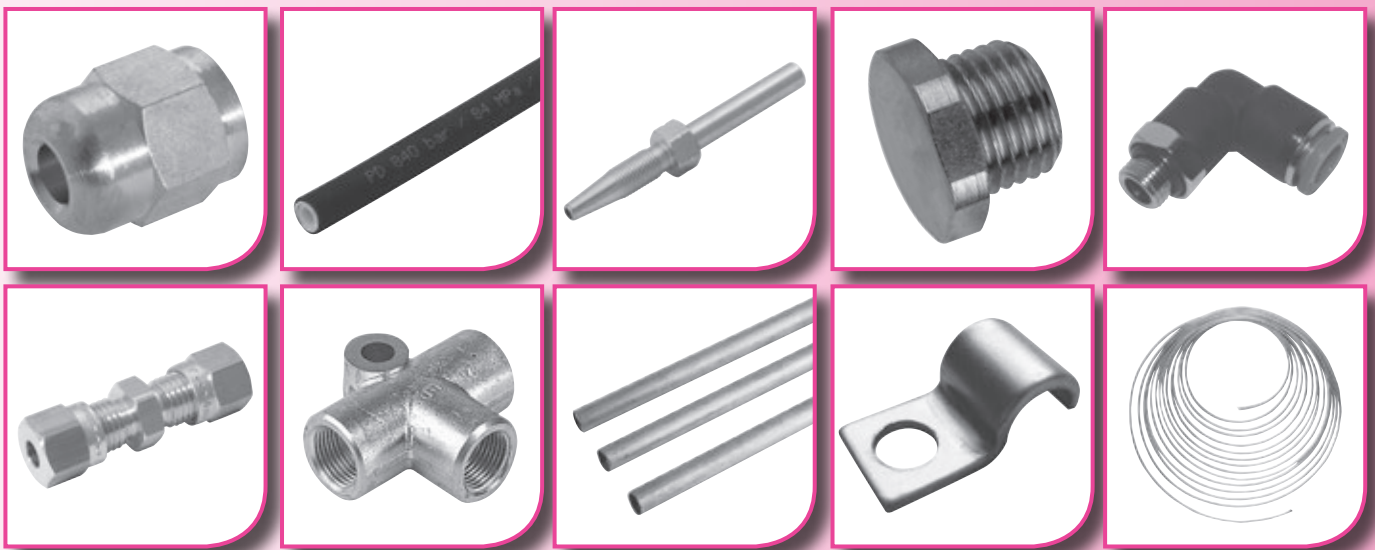
Thread
Bottom, BSPT

Product Code	Connection BSPT	Diameter mm	PSI Scale	Bar Scale
VG40-01B	1/8"	40	-30	-1
VG50-01B	1/8"	50	-30	-1
VG50-01C	1/4"	50	-30	-1
VG63-01C	1/4"	63	-30	-1
VG100-01D	3/8"	100	-30	-1

SECTION

9

FITTINGS & TUBING



Lubrication Fittings
High Pressure Fittings & Hose
Hydraulic Fittings
Nickel Plated Brass Adaptors
Plastic Push-in Fittings
Wade Compression Fittings
Norgren Compression Fittings
Stainless Steel Fittings
Pipe Fittings
Industrial Tubing

LUBRICATION FITTINGS

Compression Bushings



Product Code	Tube OD	AF	Thread
TA4	4	8mm	M8 x 1
B3373	3/32"	3/32"	5/16" UNF
B3783	5/32"	5/16"	5/16" UNF
B1371	5/32"	3/8"	5/16" UNF
TA6	6	10mm	M10 x 1

Compression Nuts



• Material: brass

Product Code	Tube OD	Thread
TN4	4	M8 x 1
B1095	4	5/16" UNF
B3610	3/32"	1/4" UNF
B3312	3/32"	5/16" UNF

Compression Sleeves



• Material: brass

Product Code	Tube OD
TB4	4
B1061	4
TB6	6
B3313	3/32"



• Material: brass

Product Code	Tube OD
B8272	5/32"

Use these when nylon tail tube will be moving. Prevents cutting.

Compression Nut 2 Piece



Product Code	Tube OD
27340	1/8"

Tube Inserts



• Material: brass

Product Code	Tube ID	Tube OD
AL4	2.5	4
AL5	4	6

Male Union Adaptors

• Material: brass



Product Code	Thread
A4019	1/8" NPT

Compression Hole Plug



• Material: brass

Product Code	Thread
15322	M8 x 1
B3784	5/16"-24"

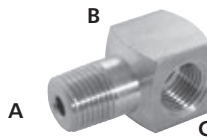
Straight Connectors

• Material: brass



Product Code	Length	A	B
A3528	25mm	1/8" NPT	1/8" NPT
A2540	32mm	1/8" NPT	1/8" NPT

Tee Couplers



• Material: brass

Product Code	A	B	C
B4390	1/8" NPT	1/8" NPT	1/8" NPT

Straight Adaptors

• Material: brass

For use with Compression Bushings



Product Code	A	B
A2835	1/8" NPT	5/16" UNF
TD6	1/8" BSPT	M10 x 1
TD4	1/8" BSP	M8 x 1
TD6-1/8K	1/8" BSP	M10 x 1

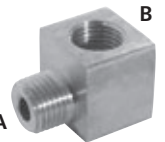
Male Stud Couplings

Parallel Metric Thread



Product Code	Male	Ø
01010419	M5 x 0.8	4
01010455	M7 x 1	4
01010456	M8 x 1	4
01010556	M8 x 1	5
01010560	M10 x 1	5
01010660	M10 x 1	6
01010662	M10 x 1.5	6
01010865	M12 x 1	8
01010866	M12 x 1.25	8
01010868	M13 x 1.25	8
01011070	M14 x 1.25	10
01011071	M14 x 1.5	10
01011074	M16 x 1.25	10
01011075	M16 x 1.5	10
01011078	M18 x 1.5	10
01011274	M16 x 1.25	12
01011275	M16 x 1.5	12
01011278	M18 x 1.5	12
01011478	M18 x 1.5	14
01011480	M20 x 1.5	14
01011578	M18 x 1.5	15
01011680	M20 x 1.5	16
01011682	M22 x 1.5	16
01011882	M22 x 1.5	18
01011883	M24 x 1.5	18

Adaptors, Equal



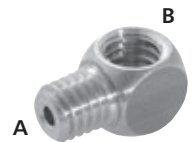
90°

Product Code	A	B
A2768	1/8" NPT	1/8" NPT

45°

Product Code	A	B
B3133	1/8" NPT	1/8" NPT

90° Adaptors



Product Code	A	B
AR109	M6 x 1	M6 x 1
B6241	1/4" UNF	1/4" UNF

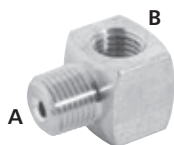
90° Swivel Elbows



100rpm Max

Product Code	A	B
B5176	1/8" NPT	1/8" NPT

90° Elbow Adaptors



For use with Compression Bushings

Product Code	A	B
A3080	1/8" NPT	5/16" UNF

Tube Fittings



M6 x 0.75 Straight

Product Code	Tube OD	B
92117	4	5/16" UNF



M8 x 1.25 Straight

Product Code	Tube OD
92288	4



M8 x 1.25 Straight

Product Code	Tube OD
92557	6



M6 x 0.75 Elbow

Product Code	Tube OD	B
93479	4	5/16" UNF



1/8" BSP Elbow

Product Code	Tube OD
911046	4

Elbows



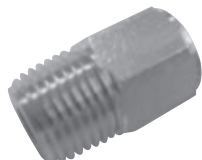
Product Code	OD mm	Thread
LE90582	4	5/16" BSF
LE90583	4	3/8" BSF
LE90584	4	1/4" UNF
LE90585	4	5/16" UNF
LE90586	4	3/8" UNF
LE90587	4	1/8" BSP
LE90589	4	M6 x 1
LE90590	4	M8 x 1
LE90591	4	M8 x 1.25
LE90592	4	M10 x 1

Adaptors for 4mm, 5/32" OD Tubing



Straight Adaptors

Product Code	Length	Male	Female
B4312	3/4"	1/4" UNF	5/16" UNF*
A2835	5/8"	1/8" NPT	5/16" UNF*
B1525	3/4"	1/8" NPT	5/16" UNF*
B2626	1"	1/4" UNF	5/16" UNF*
B1531	1.1/2"	1/8" NPT	5/16" UNF*
B5560	1.17/64"	5/16" UNF	1/8" NPT
B4856	1.27/64"	5/16" UNF	1/8" NPT
B2253	61/64"	1/8" NPT	5/16" UNF*
B6036	15/16"	5/16" UNF	1/8" NPT
AR110	17mm	M6 x 1	M8 x 1



Through Adaptor

Product Code	Length	Male	Female
B3488	11/16"	1/8" NPT	5/16" UNF*



Elbow Adaptors

Product Code	Length	Male	Female
A3080	13/16"	1/8" NPT	5/16" UNF*
B3921	15/16"	5/16" UNF	1/8" NPT
B4416	1.21/64"	5/16" UNF	1/8" NPT
AR108	14mm	M6 x 1	M6 x 1

*For use with compression bushing (B1371 for 5/16" UNF or TA-4 for M8 x 1) and sleeve B1061.



Tee Adaptors,
Female x Female x Female

Product Code	Length	Female	Female	Female
A4042	15/16"	1/8" NPT	1/8" NPT	5/16" UNF

Adaptors for 3/32" OD Tubing



Straight Adaptors,
Male x Female

Product Code	Length	Male	Female
B3430	5/8"	1/8" NPT	5/16" UNF*
B4316	3/4"	1/4" UNF	5/16" UNF*

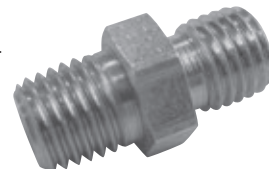
*For use with compression bushing B3373 and sleeve B3313.



Elbow Adaptor

Product Code	Length	Male	Female
B3431	13/16"	1/8" NPT	5/16" UNF*

*For use with compression bushing B3373 and sleeve B3313.



Straight Adaptors, Male x Male

Product Code	Length	Male	Male
B4452	19/32"	1/4" UNF	1/4" UNF*

*For use with compression nut B3610 and sleeve B3313.

Straight Adaptors



Product Code	Male A	Female B
BF4	1/4" BSF	1/8" BSP
1202-02	1/4" UNF	1/8" BSP
1202-03	5/16" UNF	1/8" BSP
AR101	M6 x 1	1/8" BSP

Elbow Adaptors



Product Code	Male A	Female B
1201-01	1/8" BSP	1/8" BSP
B3608Z	1/4" UNF	1/8" BSP
1402-02	5/16" UNF	1/8" BSP
1401-03	5/16" UNF	5/16" BSP

HIGH PRESSURE LUBRICATION FITTINGS

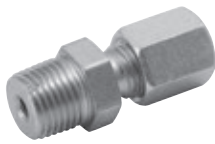
Type LL Lubrication Compression Fittings



Maximum Working Pressure: 100 bar

• Suitable for oil and grease applications

NEW



Type LL Compression Straight, Zinc Plated

Product Code	OD mm	Thread
81-5271	4	M6 x 1
81-5272	4	M8 x 1
81-5273	4	M10 x 1
81-5274	4	1/8" BSP
81-5254	6	M6 x 1
81-5255	6	M8 x 1
81-5232	6	M10 x 1
81-5260	6	1/8" BSP
81-5261	6	1/4" BSP

Type LL Compression Straight, 304 Stainless Steel

Product Code	OD mm	Thread
SS81-5254	6	M6 x 1
SS81-5255	6	M8 x 1
SS81-5232	6	M10 x 1
SS81-5260	6	1/8" BSP

NEW



Type LL Compression Elbow, Zinc Plated

Product Code	OD mm	Thread
81-5332	4	M6 x 1
81-5333	4	M8 x 1
81-5334	4	M10 x 1
81-5335	4	1/8" BSP
81-5324	6	M6 x 1
81-5325	6	M8 x 1
81-5326	6	M10 x 1
81-5329	6	1/8" BSP
81-5331	6	1/4" BSP

Type LL Compression Elbow, 304 Stainless Steel

Product Code	OD mm	Thread
SS81-5324	6	M6 x 1
SS81-5325	6	M8 x 1
SS81-5326	6	M10 x 1
SS81-5329	6	1/8" BSP

NEW



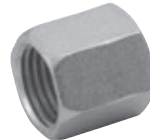
Type LL Compression Double Ended Connectors, Zinc Plated

Product Code	OD mm
81-5964	4
81-5959	6
81-5969	4 x 6

Type LL Compression Double Ended Connectors, 304 Stainless Steel

Product Code	OD mm
SS81-5959	6

NEW



Type LL Compression Nuts, Zinc Plated

Product Code	OD mm
81-9005-43	4
81-9005-41	6

Type LL Compression Nut, 304 Stainless Steel

Product Code	OD mm
SS81-9005-41	6

NEW



Type LL Compression Tube Rings, Zinc Plated

Product Code	OD mm
81-9004-40	4
81-9004-46	6

Type LL Compression Tube Ring, 304 Stainless Steel

Product Code	OD mm
SS81-9004-46	6

Push-in Lubrication Fittings



Maximum Working Pressure: 60 bar

- Suitable for oil and grease applications
- For use with nylon tube
- Material: brass, zinc plated

NEW



Push-in Straight

Product Code	OD mm	Thread
81-5284	4	M6 x 1
81-5285	4	M8 x 1
81-5278	4	M10 x 1
81-5286	4	1/8" BSP
81-5281	6	M6 x 1
81-5282	6	M8 x 1
81-5277	6	M10 x 1
81-5283	6	1/8" BSP

NEW



Push-in Elbows

Product Code	OD mm	Thread
81-5337	4	M6 x 1
81-5338	4	M8 x 1
81-5339	4	M10 x 1
81-5340	4	1/8" BSP
81-5341	6	M6 x 1
81-5342	6	M8 x 1
81-5343	6	M10 x 1
81-5344	6	1/8" BSP

NEW



Push-in Swivel Elbow Connectors

Product Code	OD mm	Thread
81-5121	6	M6 x 1
81-5122	6	M8 x 1
81-5123	6	M10 x 1
81-5124	6	1/8" BSP

NEW



Push-in Double Ended Connectors

Product Code	OD mm
81-5966	4
81-5967	6

Straight Extensions

NEW

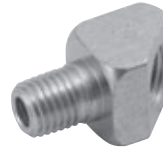


Product Code	Male Thread	Female Thread	O/A Length mm	Extended Length mm
81-5538	M6 x 1	M8 x 1	18	8
81-5530	M8 x 1	M8 x 1	18	8
81-5539	M8 x 1	M8 x 1	32	22
81-5540	M8 x 1	M8 x 1	62.5	52.5
81-5541	M8 x 1	M10 x 1	23	12
81-5542	M10 x 1	M8 x 1	18	8
81-5543	M10 x 1	M10 x 1	18	7
81-5531	M10 x 1	M10 x 1	23	12
81-5514	M10 x 1	M10 x 1	35	24
81-5544	M10 x 1	M10 x 1	40	29
81-5507	M10 x 1	M10 x 1	50	39
81-5525	1/8" BSPT	M10 x 1	18	7
81-5532	1/8" BSPT	1/8" BSPT	18	7
81-5545	1/8" BSPT	M8 x 1	18	7
81-5533	1/8" BSPT	1/8" BSPT	23	12
81-5534	1/8" BSPT	1/8" BSPT	35	23
81-5535	1/8" BSPT	1/8" BSPT	50	38
81-5536	1/4" BSPT	M10 x 1	20	9
81-5537	1/4" BSPT	1/8" BSPT	20	9

Lubrication Adaptors

- Suitable for oil and grease applications
- Material: galvanised steel

NEW



Elbow Adaptor 45°

Product Code	Thread
81-5516	M8 x 1 Male/Female
81-5528	M10 x 1 Male/Female
1401-01	1/8" BSP Male/Female

NEW



Elbow Adaptor 90°

Product Code	Thread
81-5520	M6 x 1 Male/Female
81-5529	M8 x 1 Male/Female
81-5522	M10 x 1 Male/Female
81-5523	1/8" BSP Male/Female
81-5550	1/8" Male x M8 x 1 Female

Banjo Fittings

- Suitable for oil and grease applications
- Material: brass

NEW



Banjo Swivel Elbow

Product Code	OD mm	Thread
81-5125	4	M8 x 1 x Female M8 x 1
81-5126	4	M10 x 1 x Female M8 x 1
81-5118	6	M6 x 1 x Female M10 x 1
81-5119	6	M8 x 1 x Female M10 x 1
81-5116	6	M10 x 1 x Female M10 x 1
81-5128	6	1/8" BSP x Female M10 x 1

- Material: steel

NEW



Banjo Swivel 2 Piece

Product Code	OD mm	Thread
81-6666	6	1/8" BSP
81-6661	6	M10 x 1

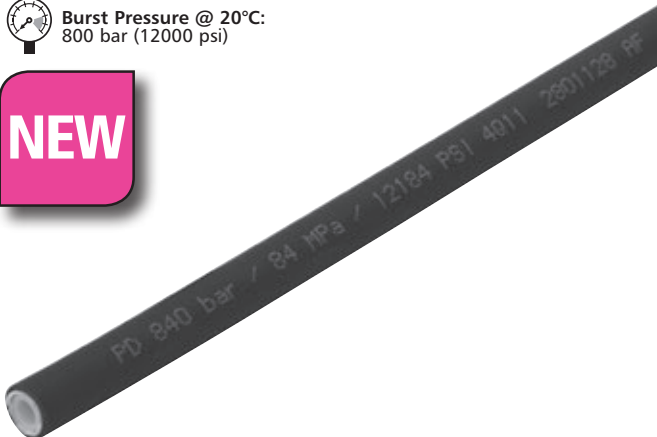
HIGH PRESSURE HOSE & FITTINGS

High Pressure Reinforced Hose



Burst Pressure @ 20°C:
800 bar (12000 psi)

NEW



Product Code	OD mm	ID mm	Fill	Coil Length
84-1031	8.75	4.0	None	Per Metre
84-1030	8.75	4.0	NLG12	Per Metre
84-1034	11.3	6.3	None	Per Metre
84-1035	11.3	6.3	NLG12	Per Metre

Ferrules for 8.75mm O.D. Hose

NEW



Product Code	Material
81-9001-38	Mild Steel, Zinc Plated
81-9001-64	Stainless Steel

Ferrules for 11.3mm O.D. Hose

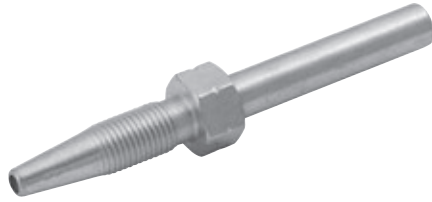
NEW



Product Code	Material
81-9001-68	Mild Steel, Zinc Plated
81-9001-83	Stainless Steel

Inserts for 8.75mm O.D. Hose

NEW



Straight

Product Code	O.D. mm	Material	For use with
81-9001-78	4	Mild Steel, Zinc Plated	Compression Fittings
81-9001-39	6	Mild Steel, Zinc Plated	Compression Fittings
81-9001-79	8	Mild Steel, Zinc Plated	Compression Fittings
81-9001-65	6	Stainless Steel	Compression Fittings
81-9001-61*	8	Mild Steel, Zinc Plated	Push-in Fittings

NEW



90° Angled

Product Code	O.D. mm	Material	For use with
81-9001-41	6	Mild Steel, Zinc Plated	Compression Fittings
81-9001-71	6	Stainless Steel	Compression Fittings
81-9001-72*	6	Mild Steel, Zinc Plated	Push-in Fittings

NEW



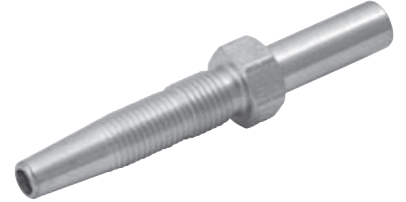
45° Angled

Product Code	O.D. mm	Material	For use with
81-9001-40	6	Mild Steel, Zinc Plated	Compression Fittings
81-9001-75*	6	Mild Steel, Zinc Plated	Push-in Fittings

*Inserts for push in fittings are grooved.

Inserts for 11.3mm O.D. Hose

NEW



Straight

Product Code	O.D. mm	Material	For use with
81-9001-80	6	Mild Steel, Zinc Plated	Compression Fittings
81-9001-81	6	Stainless Steel	Compression Fittings
81-9001-69	8	Mild Steel, Zinc Plated	Compression Fittings
81-9001-82*	6	Mild Steel, Zinc Plated	Push-in Fittings

NEW

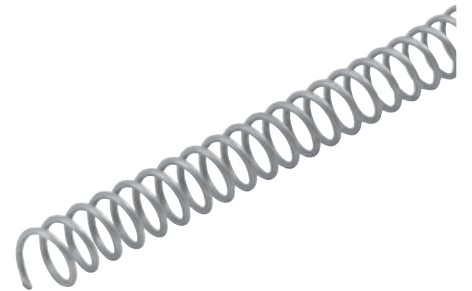


90° Angled

Product Code	O.D. mm	Material	For use with
81-9001-73	6	Mild Steel, Zinc Plated	Compression Fittings
81-9001-70	8	Mild Steel, Zinc Plated	Compression Fittings

Tube & Hose Protection

NEW



Product Code	DESCRIPTION
SG000	10mm O.D. Steel Spring Guard

FOR GREASE, SEE SECTION 1



BSPP 60° Cone

NEW



Light Duty

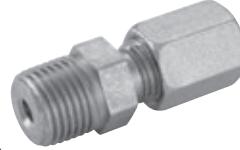
Product Code	Thread	OD mm	Max. bar
GEV6LRFOA	1/8"	6	400
GEV8LR1/8FOA	1/8"	8	400
GEV6LR1/4FOA	1/4"	6	400
GEV8LRFOA	1/4"	8	400
GEV10LRFOA	1/4"	10	400
GEV12LR1/4FOA	1/4"	12	400
GEV6LR3/8FOA	3/8"	6	400
GEV8LR3/8FOA	3/8"	8	400
GEV10LR3/8FOA	3/8"	10	400
GEV12LRFOA	3/8"	12	400
GEV15LR3/8FOA	3/8"	15	400
GEV10LR1/2FOA	1/2"	10	400
GEV12LR1/2FOA	1/2"	12	400
GEV15LRFOA	1/2"	15	400
GEV18LRFOA	1/2"	18	400
GEV22LR1/2FOA	1/2"	22	250
GEV18LR3/4FOA	3/4"	18	400
GEV22LRFOA	3/4"	22	250
GEV28LR3/4FOA	3/4"	28	250
GEV28LRFOA	1"	28	250
GEV35LRFOA	1.1/4"	35	250

Heavy Duty

Product Code	Thread	OD mm	Max. bar
GEV8SRFOA	1/4"	8	630
GEV10SR1/4FOA	1/4"	10	630
GEV12SR1/4FOA	1/4"	12	630
GEV10SRFOA	3/8"	10	630
GEV12SRFOA	3/8"	12	630
GEV16SR3/8FOA	3/8"	16	630
GEV12SR1/2FOA	1/2"	12	630
GEV14SRFOA	1/2"	14	630
GEV16SRFOA	1/2"	16	630
GEV20SR1/2FOA	1/2"	20	400
GEV16SR3/4FOA	3/4"	16	630
GEV20SRFOA	3/4"	20	400
GEV25SR3/4FOA	3/4"	25	400
GEV25SRFOA	1"	25	400
GEV30SR1FOA	1"	30	250
GEV38SR1FOA	1"	38	250
GEV38SRFOA	1.1/2"	38	250
GEV30SR11/4FOA	1.1/4"	30	250
GEV38SR11/4FOA	1.1/4"	38	250

BSPT

NEW



Extra Light Duty

Product Code	Thread	OD mm	Max. bar
GEV4LLRK	1/8"	4	100
GEV6LLRK	1/8"	6	100
GEV8LLRK	1/8"	8	100

Light Duty

Product Code	Thread	OD mm	Max. bar
GEV8LRK	1/4"	8	250
GEV10LRK	1/4"	10	250
GEV12LR1/4K	1/4"	12	250
GEV10LR3/8K	3/8"	10	250
GEV12LRK	3/8"	12	250
GEV15LRK	1/2"	15	250

Form B, Metric

NEW



Light Duty

Product Code	Thread	OD mm	Max. bar
GEV6LM12X1.5	M12 x 1.5	6	400
GEV8LM	M12 x 1.5	8	400
GEV10LM	M14 x 1.5	10	400
GEV8LM16X1.5	M16 x 1.5	8	400
GEV10LM16X1.5	M16 x 1.5	10	400
GEV12LM	M16 x 1.5	12	400
GEV10LM18X1.5	M18 x 1.5	10	400
GEV12LM18X1.5	M18 x 1.5	12	400
GEV15LM	M18 x 1.5	15	400
GEV18LM18X1.5	M18 x 1.5	18	400
GEV10LM22X1.5	M22 x 1.5	10	400
GEV12LM22X1.5	M22 x 1.5	12	400
GEV15LM22X1.5	M22 x 1.5	15	400
GEV18LM	M22 x 1.5	18	400
GEV22LM	M26 x 1.5	22	250
GEV28LM	M33 x 2	28	250
GEV35LM	M42 x 2	35	250
GEV42LM	M48 x 2	42	250

Heavy Duty

Product Code	Thread	OD mm	Max. bar
GEV6SM	M12 x 1.5	6	630
GEV8SM	M14 x 1.5	8	630
GEV10SM	M16 x 1.5	10	630
GEV12SM	M18 x 1.5	12	630
GEV16SM18X1.5	M18 x 1.5	16	630
GEV14SM	M20 x 1.5	14	630
GEV16SM	M22 x 1.5	16	630
GEV20SM	M27 x 2	20	400
GEV25SM	M33 x 2	25	400
GEV30SM	M42 x 2	30	250
GEV38SM	M48 x 2	38	250

Form B, BSPP

NEW



Light Duty

Product Code	Thread	OD mm	Max. bar
GEV6LR	1/8"	6	400
GEV8LR1/8	1/8"	8	400
GEV6LR1/4	1/4"	6	400
GEV8LR	1/4"	8	400
GEV10LR	1/4"	10	400
GEV12LR1/4	1/4"	12	400
GEV6LR3/8	3/8"	6	400
GEV8LR3/8	3/8"	8	400
GEV10LR3/8	3/8"	10	400
GEV12LR	3/8"	12	400
GEV15LR3/8	3/8"	15	400
GEV18LR3/8	3/8"	18	400
GEV8LR1/2	1/2"	8	400
GEV10LR1/2	1/2"	10	400
GEV12LR1/2	1/2"	12	400
GEV15LR	1/2"	15	400
GEV18LR	1/2"	18	400
GEV22LR1/2	1/2"	22	250
GEV15LR3/4	3/4"	15	400
GEV18LR3/4	3/4"	18	400
GEV22LR	3/4"	22	250
GEV28LR3/4	3/4"	28	250
GEV22LR1	1"	22	250
GEV28LR	1"	28	250
GEV35LR1	1"	35	250
GEV42LR	1.1/2"	42	250

Heavy Duty

Product Code	Thread	OD mm	Max. bar
GEV6SR	1/4"	6	630
GEV8SR	1/4"	8	630
GEV10SR1/4	1/4"	10	630
GEV12SR1/4	1/4"	12	630
GEV8SR3/8	3/8"	8	630
GEV10SR	3/8"	10	630
GEV12SR	3/8"	12	630
GEV14SR3/8	3/8"	14	630
GEV16SR3/8	3/8"	16	630
GEV8SR1/2	1/2"	8	630
GEV10SR1/2	1/2"	10	630
GEV12SR1/2	1/2"	12	630
GEV14SR	1/2"	14	630
GEV16SR	1/2"	16	630
GEV20SR1/2	1/2"	20	400
GEV16SR3/4	3/4"	16	630
GEV20SR	3/4"	20	400
GEV25SR3/4	3/4"	25	400
GEV30SR3/4	3/4"	30	250
GEV20SR1	1"	20	400
GEV25SR	1"	25	400
GEV30SR1	1"	30	250
GEV30SR	1.1/4"	30	250
GEV38SR11/4	1.1/4"	38	250
GEV38SR	1.1/2"	38	250

Form E, Metric

NEW



Light Duty

Product Code	Thread	OD mm	Max. bar
GEV6LMWD	M10 x 1	6	500
GEV8LMWD	M12 x 1.5	8	500
GEV10LMWD	M14 x 1.5	10	500
GEV12LMWD	M16 x 1.5	12	400
GEV12LM18X1.5WD	M18 x 1.5	12	400
GEV15LMD	M18 x 1.5	15	400
GEV18LM18X1.5WD	M18 x 1.5	18	400
GEV12LM22X1.5WD	M22 x 1.5	12	400
GEV15LM22X1.5WD	M22 x 1.5	15	400
GEV18LMWD	M22 x 1.5	18	400
GEV22LMWD	M26 x 1.5	22	250
GEV28LMWD	M33 x 2	28	250
GEV35LMWD	M42 x 2	35	250

Heavy Duty

Product Code	Thread	OD mm	Max. bar
GEV6SMWD	M12 x 1.5	6	800
GEV8SMWD	M14 x 1.5	8	800
GEV10SMWD	M16 x 1.5	10	800
GEV12SMWD	M18 x 1.5	12	630
GEV14SMWD	M20 x 1.5	14	630
GEV16SMWD	M22 x 1.5	16	630
GEV20SMWD	M27 x 2	20	420
GEV25SMWD	M33 x 2	25	420
GEV30SMWD	M42 x 2	30	420
GEV38SMWD	M48 x 2	38	420

Form E, BSPP

NEW



Light Duty

Product Code	Thread	OD mm	Max. bar
GEV6LRWD	1/8"	6	500
GEV8LR1/8WD	1/8"	8	500
GEV6LR1/4WD	1/4"	6	500
GEV8LRWD	1/4"	8	500
GEV10LRWD	1/4"	10	500
GEV12LR1/4WD	1/4"	12	400
GEV8LR3/8WD	3/8"	8	500
GEV10LR3/8WD	3/8"	10	500
GEV12LRWD	3/8"	12	400
GEV15LR3/8WD	3/8"	15	400
GEV10LR1/2WD	1/2"	10	500
GEV12LR1/2WD	1/2"	12	400
GEV15LRWD	1/2"	15	400
GEV18LRWD	1/2"	18	400
GEV18LR3/4WD	3/4"	18	400
GEV22LRWD	3/4"	22	250
GEV28LRWD	1"	28	250
GEV35LRWD	1.1/4"	35	250
GEV42LRWD	1.1/2"	42	250

Heavy Duty

Product Code	Thread	OD mm	Max. bar
GEV6SRWD	1/4"	6	800
GEV8SRWD	1/4"	8	800
GEV10SR1/4WD	1/4"	10	800
GEV12SR1/4WD	1/4"	12	630
GEV8SR3/8WD	3/8"	8	800
GEV10SRWD	3/8"	10	800
GEV12SRWD	3/8"	12	630
GEV16SR3/8WD	3/8"	16	630
GEV10SR1/2WD	1/2"	10	800
GEV12SR1/2WD	1/2"	12	630
GEV14SRWD	1/2"	14	630
GEV16SRWD	1/2"	16	630
GEV16SR3/4WD	3/4"	16	630
GEV20SRWD	3/4"	20	420
GEV25SR3/4WD	3/4"	25	420
GEV25SRWD	1"	25	420
GEV30SRWD	1.1/4"	30	420
GEV38SRWD	1.1/2"	38	420

NPT

NEW



Extra Light Duty

Product Code	Thread	OD mm	Max. bar
GEV4LL1/8NPT	1/8"	4	100
GEV6LL1/8NPT	1/8"	6	100
GEV8LL1/8NPT	1/8"	8	100

Light Duty

Product Code	Thread	OD mm	Max. bar
GEV6L1/8NPT	1/8"	6	315
GEV6L1/4NPT	1/4"	6	315
GEV8L1/4NPT	1/4"	8	315
GEV10L1/4NPT	1/4"	10	315
GEV12L1/4NPT	1/4"	12	315
GEV10L3/8NPT	3/8"	10	315
GEV12L3/8NPT	3/8"	12	315
GEV12L1/2NPT	1/2"	12	315
GEV15L1/2NPT	1/2"	15	315
GEV18L1/2NPT	1/2"	18	315
GEV22L3/4NPT	3/4"	22	160
GEV28L1NPT	1"	28	160
GEV35L11/4NPT	1.1/4"	35	160
GEV42L11/2NPT	1.1/2"	42	160

Heavy Duty

Product Code	Thread	OD mm	Max. bar
GEV8S1/4NPT	1/4"	8	630
GEV10S1/4NPT	1/4"	10	630
GEV12S1/4NPT	1/4"	12	630
GEV10S3/8NPT	3/8"	10	630
GEV12S3/8NPT	3/8"	12	630
GEV12S1/2NPT	1/2"	12	630
GEV14S1/2NPT	1/2"	14	630
GEV16S1/2NPT	1/2"	16	400
GEV25S1NPT	1"	25	400
GEV38S11/2NPT	1.1/2"	38	315

FOR MANFOLDS, SEE SECTION 5



UNF

NEW



Light Duty

Product Code	Thread	OD mm	Max. bar
GEV8L7/16-20UNF	7/16-20 UNF	8	400
GEV10L7/16-20UNF	7/16-20 UNF	10	400
GEV8L9/16-18UNF	9/16-18 UNF	8	400
GEV10L9/16-18UNF	9/16-18 UNF	10	400
GEV12L9/16-18UNF	9/16-18 UNF	12	400
GEV12L3/4-16UNF	3/4-16 UNF	12	400
GEV15L3/4-16UNF	3/4-16 UNF	15	400
GEV18L3/4-16UNF	3/4-16 UNF	18	400
GEV12L7/8-14UNF	7/8-14 UNF	12	400
GEV15L7/8-14UNF	7/8-14 UNF	15	400
GEV18L7/8-14UNF	7/8-14 UNF	18	400
GEV22L7/8-14UNF	7/8-14 UNF	22	250
GEV28L7/8-14UNF	7/8-14 UNF	28	250
GEV22L11/16-12UN	1.1/16-12 UN	22	250
GEV28L15/16-12UN	1.5/16-12 UN	28	250
GEV35L15/16-12UN	1.5/16-12 UN	35	250
GEV35L15/8-12UN	1.5/8-12 UN	35	250
GEV42L15/8-12UN	1.5/8-12 UN	42	250

Heavy Duty

Product Code	Thread	OD mm	Max. bar
GEV10S9/16-18UNF	9/16-18 UNF	10	630
GEV12S3/4-16UNF	3/4-16 UNF	12	630
GEV16S3/4-16UNF	3/4-16 UNF	16	630
GEV20S3/4-16UNF	3/4-16 UNF	20	400
GEV16S7/8-14UNF	7/8-14 UNF	16	630
GEV20S7/8-14UNF	7/8-14 UNF	20	400
GEV20S11/16-12UN	1.1/16-12 UN	20	400
GEV30S15/8-12UN	1.5/8-12 UN	30	315

Elbows, Metric Taper

NEW



Extra Light Duty

Product Code	Thread	OD mm	Max. bar
WEV4LLMK	M8 x 1	4	100
WEV6LLMK	M10 x 1	6	100
WEV8LLMK	M10 x 1	8	100

Light Duty

Product Code	Thread	OD mm	Max. bar
WEV6LMK	M10 x 1	6	250
WEV8LMK	M12 x 1.5	8	250
WEV10LMK	M14 x 1.5	10	250
WEV12LMK	M16 x 1.5	12	250
WEV15LMK	M18 x 1.5	15	250
WEV18LMK	M22 x 1.5	18	160

Heavy Duty

Product Code	Thread	OD mm	Max. bar
WEV6SMK	M12 x 1.5	6	630
WEV8SMK	M14 x 1.5	8	630
WEV10SMK	M16 x 1.5	10	630
WEV12SMK	M18 x 1.5	12	630
WEV14SMK	M20 x 1.5	14	630
WEV16SMK	M22 x 1.5	16	400

Elbows, BSPT

NEW



Extra Light Duty

Product Code	Thread	OD mm	Max. bar
WEV4LLRK	1/8"	4	100
WEV6LLRK	1/8"	6	100
WEV8LLRK	1/8"	8	100

Light Duty

Product Code	Thread	OD mm	Max. bar
WEV6LRK	1/8"	6	250
WEV6LR1/4K	1/4"	6	250
WEV8LRK	1/4"	8	250
WEV12LR1/4K	1/4"	12	250
WEV10LRK	1/4"	10	250
WEV10LR3/8K	3/8"	10	250
WEV12LRK	3/8"	12	250
WEV15LR3/8K	3/8"	15	250
WEV12LR1/2K	1/2"	12	250
WEV15LRK	1/2"	15	250
WEV18LRK	1/2"	18	160

Heavy Duty

Product Code	Thread	OD mm	Max. bar
WEV6SRK	1/4"	6	630
WEV8SRK	1/4"	8	630
WEV12SRK	3/8"	12	630
WEV14SRK	1/2"	14	630
WEV16SRK	1/2"	16	400

Elbows, NPT

NEW



Extra Light Duty

Product Code	Thread	OD mm	Max. bar
WEV4LL1/8NPT	1/8"	4	100
WEV6LL1/8NPT	1/8"	6	100
WEV8LL1/8NPT	1/8"	8	100

Light Duty

Product Code	Thread	OD mm	Max. bar
WEV6L1/8NPT	1/8"	6	250
WEV8L1/4NPT	1/4"	8	250
WEV10L1/4NPT	1/4"	10	250
WEV12L1/4NPT	1/4"	12	250
WEV12L3/8NPT	3/8"	12	250
WEV15L1/2NPT	1/2"	15	250
WEV18L1/2NPT	1/2"	18	160
WEV22L3/4NPT	3/4"	22	160
WEV28L1NPT	1"	28	100

Heavy Duty

Product Code	Thread	OD mm	Max. bar
WEV6S1/4NPT	1/4"	6	630
WEV8S1/4NPT	1/4"	8	630
WEV10S3/8NPT	3/8"	10	630
WEV12S3/8NPT	3/8"	12	630
WEV14S1/2NPT	1/2"	14	630
WEV16S1/2NPT	1/2"	16	400
WEV20S3/4NPT	3/4"	20	400
WEV25S1NPT	1"	25	400

Reducing Bushes, BSPP

NEW

• Captive NBR Seal.



Compact

Product Code	Male	Female	Max. bar
REDR3/8X1/8	3/8"	1/8"	630
REDR1/2X1/8	1/2"	1/8"	630
REDR1/2X1/4	1/2"	1/4"	630
REDR3/4X1/4	3/4"	1/4"	400
REDR3/4X3/8	3/4"	3/8"	400
REDR1X1/4	1"	1/4"	400
REDR1X3/8	1"	3/8"	400
REDR1X1/2	1"	1/2"	400
REDR11/4X1/2	1.1/4"	1/2"	400
REDR11/4X3/4	1.1/4"	3/4"	400
REDR11/2X1/2	1.1/2"	1/2"	400
REDR11/2X3/4	1.1/2"	3/4"	400
REDR11/2X1	1.1/2"	1"	400

NEW

• Captive NBR Seal.



BSPP

Product Code	Male	Female	Max. bar
REDR1/8X1/4	1/8"	1/4"	400
REDR1/8X3/8	1/8"	3/8"	400
REDR1/4X1/8	1/4"	1/8"	400
REDR1/4X3/8	1/4"	3/8"	400
REDR1/4X1/2	1/4"	1/2"	400
REDR1/4X3/4	1/4"	3/4"	400
REDR3/8X1/4	3/8"	1/4"	400
REDR3/8X1/2	3/8"	1/2"	400
REDR3/8X3/4	3/8"	3/4"	400
REDR1/2X3/8	1/2"	3/8"	400
REDR1/2X3/4	1/2"	3/4"	400
REDR1/2X1	1/2"	1"	400
REDR1/2X11/4	1/2"	1.1/4"	250
REDR3/4X1/2	3/4"	1/2"	400
REDR3/4X1	3/4"	1"	400
REDR3/4X11/4	3/4"	1.1/4"	250
REDR3/4X11/2	3/4"	1.1/2"	250
REDR1X3/4	1"	3/4"	400
REDR1X11/4	1"	1.1/4"	250
REDR1X11/2	1"	1.1/2"	250
REDR11/4X1	1.1/4"	1"	400
REDR11/4X11/2	1.1/4"	1.1/2"	250
REDR11/2X11/4	1.1/2"	1.1/4"	250

Equal Elbows

NEW



Extra Light Duty

Product Code	OD mm	Max. bar
WV4LL	4	100
WV6LL	5	100
WV8LL	8	100

Light Duty

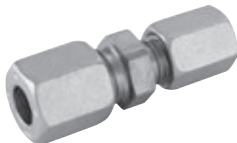
Product Code	OD mm	Max. bar
WV6L	6	500
WV8L	8	500
WV10L	10	500
WV12L	12	400
WV15L	15	400
WV18L	18	400
WV22L	22	250
WV28L	28	250
WV35L	35	250
WV42L	42	250

Heavy Duty

Product Code	OD mm	Max. bar
WV06S	6	800
WV08S	8	800
WV10S	10	800
WV12S	12	630
WV14S	14	630
WV16S	16	630
WV20S	20	420
WV25S	25	420
WV30S	30	420
WV38S	38	400

Unequal Straight Reducing Couplings

NEW



Extra Light Duty

Product Code	OD mm	OD mm	Max. bar
GV6/4LL	6	4	100

Light Duty

Product Code	OD mm	OD mm	Max. bar
GV8/6L	8	6	500
GV10/6L	10	6	500
GV10/8L	10	8	500
GV12/6L	12	6	400
GV12/8L	12	8	400
GV12/10L	12	10	400
GV15/10L	15	10	400
GV15/12L	15	12	400
GV18/10L	18	10	400
GV18/12L	18	12	400
GV18/15L	18	15	400
GV22/15L	22	15	250
GV22/18L	22	18	250

Heavy Duty

Product Code	OD mm	OD mm	Max. bar
GV16/12S	16	12	620
GV20/16S	20	16	420
GV25/16S	25	16	420
GV25/20S	25	20	420

Reducing Elbows

NEW



Light Duty

Product Code	OD mm	OD mm	Max. bar
REDWV8L-6L	8	6	315
REDWV10L-8L	10	8	315
REDWV10L-6L	10	6	315
REDWV12L-10L	12	10	315
REDWV12L-8L	12	8	315
REDWV12L-6L	12	6	315
REDWV15L-12L	15	12	315
REDWV15L-10L	15	10	315
REDWV15L-8L	15	8	315
REDWV15L-6L	15	6	315
REDWV18L-15L	18	15	315
REDWV18L-12L	18	12	315
REDWV18L-10L	18	10	315
REDWV18L-8L	18	8	315
REDWV18L-6L	18	6	315
REDWV22L-18L	22	18	160
REDWV22L-15L	22	15	160
REDWV22L-12L	22	12	160
REDWV22L-10L	22	10	160
REDWV22L-8L	22	8	160
REDWV28L-22L	28	22	160
REDWV28L-18L	28	18	160
REDWV28L-15L	28	15	160
REDWV28L-12L	28	12	160
REDWV28L-10L	28	10	160
REDWV35-28L	35	28	160
REDWV35L-22L	35	22	160
REDWV35L-18L	35	18	160
REDWV35L-15L	35	15	160
REDWV42L-35L	42	35	160
REDWV42L-22L	42	22	160
REDWV42L-18L	42	18	160
REDWV42L-15L	42	15	160

Heavy Duty

Product Code	OD mm	OD mm	Max. bar
REDWV8S-6S	8	6	630
REDWV10S-8S	10	8	630
REDWV10S-6S	10	6	630
REDWV12S-10S	12	10	630
REDWV12S-8S	12	8	630
REDWV12S-6S	12	6	630
REDWV14S-12S	14	12	630
REDWV14S-10S	14	10	630
REDWV14S-8S	14	8	630
REDWV14S-6S	14	6	630
REDWV16S-14S	16	14	400
REDWV16S-12S	16	12	400
REDWV16S-10S	16	10	400
REDWV16S-8S	16	8	400
REDWV16S-6S	16	6	400
REDWV20S-16S	20	16	400
REDWV20S-14S	20	14	400
REDWV20S-12S	20	12	400
REDWV20S-10S	20	10	400
REDWV20S-8S	20	8	400
REDWV20S-6S	20	6	400
REDWV25S-20S	25	20	400
REDWV25S-16S	25	16	400
REDWV25S-14S	25	14	400
REDWV25S-12S	25	12	400
REDWV25S-10S	25	10	400
REDWV25S-8S	25	8	400
REDWV30S-25S	30	25	400
REDWV30S-20S	30	20	400
REDWV30S-16S	30	16	400
REDWV30S-14S	30	14	400
REDWV30S-12S	30	12	400
REDWV38S-30S	38	30	315
REDWV38S-25S	38	25	315
REDWV38S-20S	38	20	315
REDWV38S-16S	38	16	315
REDWV38S-10S	38	10	315

Bulkhead Elbows

NEW



Light Duty

Product Code	Thread	OD mm	Max. bar
WSV6L	M12 x 1.5	6	500
WSV8L	M14 x 1.5	8	500
WSV10L	M16 x 1.5	10	500
WSV12L	M18 x 1.5	12	400
WSV15L	M22 x 1.5	15	400
WSV18L	M26 x 1.5	18	400
WSV22L	M30 x 2	22	250
WSV28L	M36 x 2	28	250
WSV35L	M45 x 2	35	250
WSV42L	M52 x 2	42	250

Heavy Duty

Product Code	Thread	OD mm	Max. bar
WSV6S	M14 x 1.5	6	800
WSV8S	M16 x 1.5	8	800
WSV10S	M18 x 1.5	10	800
WSV12S	M20 x 1.5	12	630
WSV14S	M22 x 1.5	14	630
WSV16S	M24 x 1.5	16	630
WSV20S	M30 x 2	20	400
WSV25S	M36 x 2	25	400
WSV30S	M42 x 2	30	400
WSV38S	M52 x 2	38	400

Tube to Tube Equal Crosses

NEW



Extra Light Duty

Product Code	OD mm	Max. bar
KV4LL	4	100
KV6LL	6	100
KV8LL	8	100

Light Duty

Product Code	OD mm	Max. bar
KV6L	6	500
KV8L	8	500
KV10L	10	500
KV12L	12	400
KV15L	15	400
KV18L	18	400
KV22L	22	250
KV28L	28	250
KV35L	35	250
KV42L	42	250

Heavy Duty

Product Code	OD mm	Max. bar
KV6S	6	800
KV8S	8	800
KV10S	10	800
KV12S	12	630
KV14S	14	630
KV16S	16	630
KV20S	20	420
KV25S	25	420
KV30S	30	420
KV38S	38	400

Equal Tees

NEW



Extra Light Duty

Product Code	OD mm	Max. bar
TV4LL	4	100
TV6LL	6	100
TV8LL	8	100

Light Duty

Product Code	OD mm	Max. bar
TV6L	6	500
TV8L	8	500
TV10L	10	500
TV12L	12	400
TV15L	15	400
TV18L	18	400
TV22L	22	250
TV28L	28	250
TV35L	35	250
TV42L	42	250

Heavy Duty

Product Code	OD mm	Max. bar
TV6S	6	800
TV8S	8	800
TV10S	10	800
TV12S	12	630
TV14S	14	630
TV16S	16	400
TV20S	20	420
TV25S	25	420
TV30S	30	420
TV38S	38	400

Reducing Tees

NEW



Light Duty

Product Code	OD mm A	OD mm B	OD mm C	Max. bar
TV10/10/6L	10	6	10	500
TV10/10/8L	10	8	10	500
TV12/12/8L	12	8	12	400
TV12/12/10L	12	10	12	400
TV12/12/15L	12	15	12	400
TV15/12/12L	15	12	12	400
TV18/18/10L	18	10	18	400
TV18/18/12L	18	12	18	400
TV22/22/10L	22	10	22	250
TV22/22/15L	22	15	22	250

Adjustable Reducing Tees

NEW



Light Duty

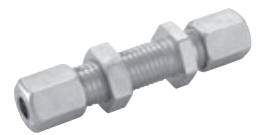
Product Code	OD mm A	OD mm B	OD mm C	Max. bar
TV8/8/6L	8	8	6	315
TV12/12/6L	12	12	6	315
TV15/15/12L	15	15	12	315
TV15/15/10L	15	15	10	315
TV15/15/8L	15	15	8	315
TV15/15/6L	15	15	6	315
TV18/18/15L	18	18	15	315
TV18/18/8L	18	18	8	315
TV18/18/6L	18	18	6	315
TV22/22/18L	22	22	18	160
TV22/22/12L	22	22	12	160
TV22/22/8L	22	22	8	160
TV28/28/22L	28	28	22	160
TV28/28/18L	28	28	18	160
TV28/28/15L	28	28	15	160
TV28/28/12L	28	28	12	160
TV28/28/10L	28	28	10	160
TV35/35/28L	35	35	28	160
TV35/35/22L	35	35	22	160
TV35/35/18L	35	35	18	160
TV35/35/15L	35	35	15	160
TV42/42/35L	42	42	35	160
TV42/42/22L	42	42	22	160
TV42/42/18L	42	42	18	160
TV42/42/15L	42	42	15	160

Heavy Duty

Product Code	OD mm A	OD mm B	OD mm C	Max. bar
TV8/8/6S	8	6	8	630
TV10/10/8S	10	8	10	630
TV10/10/6S	10	6	10	630
TV12/12/10S	12	10	12	630
TV12/12/8S	12	8	12	630
TV12/12/6S	12	6	12	630
TV14/14/12S	14	12	14	630
TV14/14/10S	14	10	14	630
TV14/14/8S	14	8	14	630
TV14/14/6S	14	6	14	630
TV16/16/14S	16	14	16	400
TV16/16/12S	16	12	16	400
TV16/16/10S	16	10	16	400
TV16/16/8S	16	8	16	400
TV16/16/6S	16	6	16	400
TV20/20/16S	20	16	20	400
TV20/20/14S	20	14	20	400
TV20/20/12S	20	12	20	400
TV20/20/10S	20	10	20	400
TV20/20/8S	20	8	20	400
TV20/20/6S	20	6	20	400
TV25/25/20S	25	20	25	400
TV25/25/16S	25	16	25	400
TV25/25/14S	25	14	25	400
TV25/25/12S	25	12	25	400
TV25/25/10S	25	10	25	400
TV25/25/8S	25	8	25	400
TV30/30/25S	30	25	30	400
TV30/30/20S	30	20	30	400
TV30/30/16S	30	16	30	400
TV30/30/14S	30	14	30	400
TV30/30/12S	30	12	30	400
TV38/38/30S	38	30	38	315
TV38/38/25S	38	25	38	315
TV38/38/20S	38	20	38	315
TV38/38/16S	38	16	38	315
TV38/38/10S	38	10	38	315

Straight Bulkhead Couplings

NEW



Light Duty

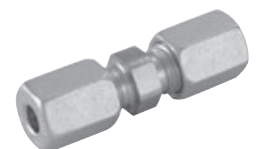
Product Code	Thread	OD mm	Max. bar
GSV6L	M12 x 1.5	6	500
GSV8L	M14 x 1.5	8	500
GSV10L	M16 x 1.5	10	500
GSV12L	M18 x 1.5	12	400
GSV15L	M22 x 1.5	15	400
GSV18L	M26 x 1.5	18	400
GSV22L	M30 x 2	22	250
GSV28L	M36 x 2	28	250
GSV35L	M45 x 2	35	250
GSV42L	M52 x 2	42	250

Heavy Duty

Product Code	Thread	OD mm	Max. bar
GSV6S	M14 x 1.5	6	800
GSV8S	M16 x 1.5	8	800
GSV10S	M18 x 1.5	10	800
GSV12S	M20 x 1.5	12	630
GSV14S	M22 x 1.5	14	630
GSV16S	M24 x 1.5	16	630
GSV20S	M30 x 2	20	630
GSV25S	M36 x 2	25	630
GSV30S	M42 x 2	30	630
GSV38S	M52 x 2	38	400

Equal Straight Couplings

NEW



Extra Light Duty

Product Code	OD mm	Max. bar
GV4LL	4	100
GV6LL	6	100
GV8LL	8	100

Light Duty

Product Code	OD mm	Max. bar
GV-6L	6	500
GV-8L	8	500
GV-10L	10	500
GV-12L	12	400
GV-15L	15	400
GV-18L	18	400
GV-22L	22	250
GV-28L	28	250
GV-35L	35	250
GV-42L	42	250

Heavy Duty

Product Code	OD mm	Max. bar
GV6S	6	800
GV8S	8	800
GV10S	10	800
GV12S	12	630
GV14S	14	630
GV16S	16	630
GV20S	20	420
GV25S	25	420
GV30S	30	420
GV38S	38	420

Banjo Seal Edge Banjo Couplings

NEW

• Low Restrictive



Light Duty, Metric

Product Code	Thread	OD mm	Max. bar
RSWV6LM	M10 x 1	6	500
RSWV8LM	M12 x 1.5	8	500
RSWV10LM	M14 x 1.5	10	500
RSWV12LM	M16 x 1.5	12	400
RSWV12LM18X1.5	M18 x 1.5	12	315
RSWV15LM	M18 x 1.5	15	400
RSWV18LM	M22 x 1.5	18	400
RSWV22LM	M26 x 1.5	22	250
RSWV28LM	M33 x 2	28	250
RSWV35LM	M42 x 2	35	250
RSWV42LM	M48 x 2	42	250

Heavy Duty, Metric

Product Code	Thread	OD mm	Max. bar
RSWV6SM	M12 x 1.5	6	500
RSWV8SM	M14 x 1.5	8	500
RSWV10SM	M16 x 1.5	10	500
RSWV12SM	M18 x 1.5	12	400
RSWV14SM	M20 x 1.5	14	400
RSWV16SM	M22 x 1.5	16	400
RSWV20SM	M27 x 2	20	315
RSWV25SM	M33 x 2	25	250
RSWV30SM	M42 x 2	30	250
RSWV38SM	M48 x 2	38	250

Light Duty, BSPP

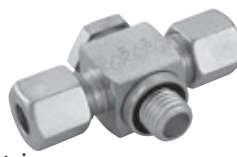
Product Code	Thread	OD mm	Max. bar
RSWV6LR	1/8"	6	500
RSWV8LR	1/4"	8	500
RSWV10LR	1/4"	10	500
RSWV12LR	3/8"	12	400
RSWV15LR	1/2"	15	400
RSWV18LR	1/2"	18	400
RSWV22LR	3/4"	22	250
RSWV28LR	1"	28	250
RSWV35LR	1.1/4"	35	250
RSWV42LR	1.1/2"	42	250

Heavy Duty, BSPP

Product Code	Thread	OD mm	Max. bar
RSWV6SR	1/4"	6	500
RSWV8SR	1/4"	8	500
RSWV10SR	3/8"	10	500
RSWV12SR	3/8"	12	400
RSWV14SR	1/2"	14	400
RSWV16SR	1/2"	16	400
RSWV20SR	3/4"	20	315
RSWV25SR	1"	25	250
RSWV30SR	1.1/4"	30	250
RSWV38SR	1.1/2"	38	250

Elastomer Seal Double Banjo Couplings

NEW



Light Duty, Metric

Product Code	Thread	OD mm	Max. bar
P-RSTV6LM-WD	M10 x 1	6	500
P-RSTV8LM-WD	M12 x 1.5	8	500
P-RSTV10LM-WD	M14 x 1.5	10	500
P-RSTV12LM-WD	M16 x 1.5	12	400
P-RSTV15LM-WD	M18 x 1.5	15	400
P-RSTV18LM-WD	M22 x 1.5	18	400
P-RSTV22LM-WD	M26 x 1.5	22	250
P-RSTV28LM-WD	M33 x 2	28	250
P-RSTV35LM-WD	M42 x 2	35	250
P-RSTV42LM-WD	M48 x 2	42	250

Heavy Duty, Metric

Product Code	Thread	OD mm	Max. bar
P-RSTV6SM-WD	M12 x 1.5	6	500
P-RSTV8SM-WD	M14 x 1.5	8	500
P-RSTV10SM-WD	M16 x 1.5	10	500
P-RSTV12SM-WD	M18 x 1.5	12	400
P-RSTV16SM-WD	M22 x 1.5	16	400
P-RSTV20SM-WD	M27 x 2	20	315
P-RSTV25SM-WD	M33 x 2	25	250
P-RSTV30SM-WD	M42 x 2	30	250
P-RSTV38SM-WD	M48 x 2	38	250

Light Duty, BSPP

Product Code	Thread	OD mm	Max. bar
P-RSTV6LR-WD	1/8"	6	500
P-RSTV8LR-WD	1/4"	8	500
P-RSTV10LR-WD	1/4"	10	500
P-RSTV12LR-WD	3/8"	12	400
P-RSTV15LR-WD	1/2"	15	400
P-RSTV18LR-WD	1/2"	18	400
P-RSTV22LR-WD	3/4"	22	250
P-RSTV28LR-WD	1"	28	250
P-RSTV35LR-WD	1.1/4"	35	250
P-RSTV42LR-WD	1.1/2"	42	250

Heavy Duty, BSPP

Product Code	Thread	OD mm	Max. bar
P-RSTV6SR-WD	1/4"	6	500
P-RSTV8SR-WD	1/4"	8	500
P-RSTV10SR-WD	3/8"	10	500
P-RSTV12SR-WD	3/8"	12	400
P-RSTV16SR-WD	1/2"	16	400
P-RSTV20SR-WD	3/4"	20	315
P-RSTV25SR-WD	1"	25	250
P-RSTV30SR-WD	1.1/4"	30	250
P-RSTV38SR-WD	1.1/2"	38	250

Swivel Elbow Banjo Coupling, Tube to Tube

NEW



Light Duty

Product Code	OD mm	Max. bar
DGWW6L	6	250
DGWW8L	8	250
DGWW10L	10	250
DGWW12L	12	250
DGWW15L	15	250
DGWW18L	18	160
DGWW22L	22	160
DGWW28L	28	100
DGWW35L	35	100
DGWW42L	42	100

Heavy Duty

Product Code	OD mm	Max. bar
DGWW6S	6	400
DGWW8S	8	400
DGWW10S	10	400
DGWW12S	12	400
DGWW14S	14	400
DGWW16S	16	400
DGWW20S	20	250
DGWW25S	25	250
DGWW30S	30	250
DGWW38S	38	250

Swivel Banjo Couplings

NEW



Light Duty, BSPP

Product Code	Thread	OD mm	Max. bar
DGWEV6LRWD	1/8"	6	250
DGWEV6LR1/4WD	1/4"	6	250
DGWEV8LRWD	1/4"	8	250
DGWEV10LRWD	1/4"	10	250
DGWEV10LR3/8WD	3/8"	10	250
DGWEV12LRWD	3/8"	12	250
DGWEV12LR1/2WD	1/2"	12	250
DGWEV15LRWD	1/2"	15	250
DGWEV18LRWD	1/2"	18	160
DGWEV22LRWD	3/4"	22	160
DGWEV28LRWD	1"	28	100
DGWEV35LRWD	1.1/4"	35	100
DGWEV42LRWD	1.1/2"	42	100

Heavy Duty, BSPP

Product Code	Thread	OD mm	Max. bar
DGWEV6SRWD	1/4"	6	400
DGWEV8SRWD	1/4"	8	400
DGWEV10SRWD	3/8"	10	400
DGWEV12SRWD	3/8"	12	400
DGWEV16SRWD	1/2"	16	400
DGWEV20SRWD	3/4"	20	250
DGWEV25SRWD	1"	25	250
DGWEV30SRWD	1.1/4"	30	250
DGWEV38SRWD	1.1/2"	38	250

NICKEL PLATED BRASS ADAPTORS

Male Adaptors, Equal



Male Thread, BSPT x BSPT

Product Code	BSPT
DN10/10K	1/8"
DN13/13K	1/4"
DN17/17K	3/8"
DN21/21K	1/2"
DN26/26K	3/4"
DN33/33K	1"
DN42/42K	1.1/4"
DN50/50K	1.1/2"
DN55/55K	2"



Male Thread, BSPP x BSPP

Product Code	BSPT
DN05/05	M5
DN10/10	1/8"
DN13/13	1/4"
DN17/17	3/8"
DN21/21	1/2"
DN26/26	3/4"
DN33/33	1"
DN42/42	1.1/4"
DN50/50	1.1/2"
DN55/55	2"

Female Socket, Equal



Female Thread, BSPP x BSPP

Product Code	BSPT
MU05	M5
MU10	1/8"
MU13	1/4"
MU17	3/8"
MU21	1/2"
MU26	3/4"
MU33	1"

Male Adaptors, Unequal



Male Thread, BSPT x BSPT

Product Code	BSPT A	BSPT B
DN10/13K	1/8"	1/4"
DN10/17K	1/8"	3/8"
DN10/21K	1/8"	1/2"
DN13/17K	1/4"	3/8"
DN13/21K	1/4"	1/2"
DN17/21K	3/8"	1/2"
DN21/26K	1/2"	3/4"
DN26/33K	3/4"	1"
DN33/42K	1"	1.1/4"
DN42/50K	1.1/4"	1.1/2"
DN50/55K	1.1/2"	2"



Male Thread, BSPP x BSPP

Product Code	BSPT A	BSPT B
DN05/10	M5	1/8"
DN10/13	1/8"	1/4"
DN10/17	1/8"	3/8"
DN13/17	1/4"	3/8"
DN13/21	1/4"	1/2"
DN17/21	3/8"	1/2"
DN21/26	1/2"	3/4"
DN26/33	3/4"	1"
DN33/42	1"	1.1/4"
DN42/50	1.1/4"	1.1/2"
DN50/55	1.1/2"	2"

Female Socket, Unequal

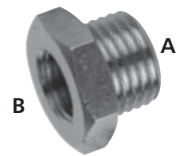


Female Thread, BSPP x BSPP

Product Code	BSPT A	BSPT B
MU05/10	M5	1/8"
MU10/13	1/8"	1/4"
MU10/17	1/8"	3/8"
MU10/21	1/8"	1/2"
MU13/17	1/4"	3/8"
MU13/21	1/4"	1/2"
MU17/21	3/8"	1/2"
MU17/26	3/8"	3/4"
MU21/26	1/2"	3/4"
MU21/33	1/2"	1"
MU26/33	3/4"	1"

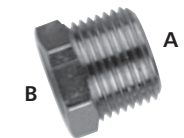
Reducing Bush

Hexagon Head, Male Thread, BSPP x Female Thread, BSPP



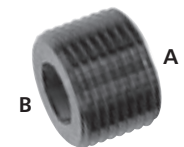
Product Code	BSPT A	BSPT B
RK05/10	1/8"	M5
RK10/13	1/4"	1/8"
RK10/17	3/8"	1/8"
RK10/21	1/2"	1/8"
RK13/17	3/8"	1/4"
RK13/21	1/2"	1/4"
RK13/26	3/4"	1/4"
RK17/21	1/2"	3/8"
RK17/26	3/4"	3/8"
RK17/33	1"	3/8"
RK21/26	3/4"	1/2"
RK21/33	1"	1/2"
RK26/33	1"	3/4"
RK33/42	1.1/4"	1"
RK42/50	1.1/2"	1.1/4"
RK42/55	2"	1.1/4"
RK50/55	2"	1.1/2"

Male Thread, BSPT x Female Thread, BSPP



Product Code	BSPT A	BSPT B
RK10/13K	1/4"	1/8"
RK10/17K	3/8"	1/8"
RK10/21K	1/2"	1/8"
RK13/17K	3/8"	1/4"
RK13/21K	1/2"	1/4"
RK13/26K	3/4"	1/4"
RK17/21K	1/2"	3/8"
RK17/26K	3/4"	3/8"
RK17/33K	1"	3/8"
RK21/26K	3/4"	1/2"
RK21/33K	1"	1/2"
RK21/42K	1.1/4"	1/2"
RK26/33K	1"	3/4"
RK33/42K	1.1/4"	1"
RK33/50K	1.1/2"	1"
RK42/55K	2"	1.1/4"
RK50/55K	2"	1.1/2"

Male Thread, BSPP x Female Thread, BSPP



Product Code	BSPT A	BSPT B
2095-10/M5	1/8"	M5
2095-13/10	1/4"	1/8"
2095-17/10	3/8"	1/8"
2095-17/13	3/8"	1/4"
2095-21/13	1/2"	1/4"
2095-21/17	1/2"	3/8"
2095-26/21	3/4"	1/2"
2095-33/26	1"	3/4"

Male x Female Adaptors



Male Thread,
BSPT x Female
Thread, BSPP

Product Code	BSPT A	BSPP B
RL10/10K	1/8"	1/8"
RL10/13K	1/8"	1/4"
RL10/17K	1/8"	3/8"
RL13/13K	1/4"	1/4"
RL13/17K	1/4"	3/8"
RL13/21K	1/4"	1/2"
RL17/17K	3/8"	3/8"
RL17/21K	3/8"	1/2"
RL17/26K	3/8"	3/4"
RL21/21K	1/2"	1/2"
RL21/26K	1/2"	3/4"
RL21/33K	1/2"	1"
RL26/26K	3/4"	3/4"
RL26/33K	3/4"	1"
RL33/33K	1"	1"



Male Thread,
BSPP x Female
Thread, BSPT

Product Code	BSPP A	BSPP B
RL05/05	M5	M5
RL05/10	M5	1/8"
RL10/10	1/8"	1/8"
RL10/13	1/8"	1/4"
RL10/17	1/8"	3/8"
RL13/13	1/4"	1/4"
RL13/17	1/4"	3/8"
RL13/21	1/4"	1/2"
RL17/17	3/8"	3/8"
RL17/21	3/8"	1/2"
RL17/26	3/8"	3/4"
RL21/21	1/2"	1/2"
RL21/26	1/2"	3/4"
RL21/33	1/2"	1"
RL26/26	3/4"	3/4"
RL26/33	3/4"	1"
RL33/33	1"	1"



Extended, Male
Thread, BSPP x
Female Thread,
BSPP

Product Code	BSPP A	BSPP B
RL10/10X	1/8"	1/8"
RL10/10Y	1/8"	1/8"
RL13/13X	1/4"	1/4"
RL13/13Y	1/4"	1/4"
RL17/17X	3/8"	3/8"
RL21/21X	1/2"	1/2"
RL26/26X	3/4"	3/4"
RL33/33X	1"	1"

X = standard length (as photo),
Y = extended length.

Swivel Connectors, Equal



BSPT Thread

Product Code	BSPT
2110-18	1/8"
2110-14	1/4"
2110-38	3/8"



BSPP Thread

Product Code	BSPP
2115-18	1/8"
2115-14	1/4"
2115-38	3/8"

Swivel Adaptors

• Unplated only



Male Thread,
BSPT x Female
Thread, BSPP

Product Code	BSPP A	BSPT B
SF10	1/8"	1/8"
SF13	1/4"	1/4"
SF17	3/8"	3/8"
SF21	1/2"	1/2"

Blanking Plugs



Male Thread, BSPP

Product Code	BSPP
VZ05	M5
VZ10	1/8"
VZ13	1/4"
VZ17	3/8"
VZ21	1/2"
VZ26	3/4"
VZ33	1"



O-Ring Seal &
Hexagon Recess,
Male Thread, BSPP

Product Code	BSPP
ZV-10	1/8"
ZV-13	1/4"
ZV-17	3/8"
ZV-21	1/2"

Blanking Cap



Female Thread, BSPP

Product Code	BSPP
VKM5	M5
VK10	1/8"
VK13	1/4"
VK17	3/8"
VK21	1/2"
VK26	3/4"
VK33	1"

Male Plugs



Male Thread, BSPT

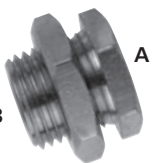
Product Code	BSPT
3025-1/8	1/8"
3025-1/4	1/4"
3025-3/8	3/8"
3025-1/2	1/2"



Male Thread, BSPP

Product Code	BSPP
3026-1/8	1/8"
3026-1/4	1/4"
3026-3/8	3/8"
3026-1/2	1/2"

Bulkhead Connector



Female Thread,
BSPP x Metric Male

Product Code	BSPP A	BSPP B
3060-M5	M5	M10 x 1
3060-1/8	1/8"	M16 x 1.5
3060-1/4	1/4"	M20 x 1.5
3060-3/8	3/8"	M26 x 1.5
3060-1/2	1/2"	M28 x 1.5

Lock Nut



BSPP

Product Code	BSPP
KM10WN	1/8"
KM13WN	1/4"
KM17WN	3/8"
KM21WN	1/2"
KM26WN	3/4"

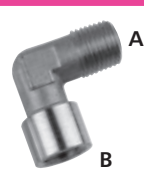
Equal Elbows

Female Thread, BSPP x BSPP



Product Code	BSPP
WIM5	M5
WI10	1/8"
WI13	1/4"
WI17	3/8"
WI21	1/2"
WI26	3/4"
WI33	1"

Male Thread, BSPT x Female Thread, BSPP



Product Code	BSPT (A)	BSPP (B)
WSLM5	M5	M5
WSL10	1/8"	1/8"
WSL13	1/4"	1/4"
WSL17	3/8"	3/8"
WSL21	1/2"	1/2"
WSL26	3/4"	3/4"
WSL33	1"	1"

Male Thread, BSPT x BSPT



Product Code	BSPT
WAM5	M5
WA10	1/8"
WA13	1/4"
WA17	3/8"
WA21	1/2"
WA26	3/4"
WA33	1"

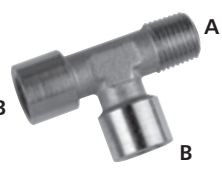
Equal Tees

Female Thread, BSPP



Product Code	BSPP
TIM5	M5
TI10	1/8"
TI13	1/4"
TI17	3/8"
TI21	1/2"
TI26	3/4"
TI33	1"

Male Thread, BSPT x Female Thread, BSPP



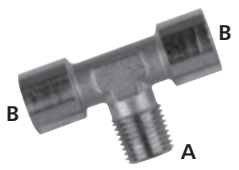
Product Code	BSPT A	BSPP B
TBM5	M5	M5
TB10	1/8"	1/8"
TB13	1/4"	1/4"
TB17	3/8"	3/8"
TB21	1/2"	1/2"
TB26	3/4"	3/4"
TB33	1"	1"

Male Thread, BSPT x Female Thread, BSPP



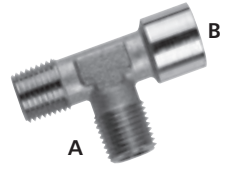
Product Code	BSPT A	BSPP B
TCM5	M5	M5
TC10	1/8"	1/8"
TC13	1/4"	1/4"
TC17	3/8"	3/8"
TC21	1/2"	1/2"
TC26	3/4"	3/4"
TC33	1"	1"

Male Thread, BSPT x Female Thread, BSPP



Product Code	BSPT A	BSPP B
TKLM5	M5	M5
TKL10	1/8"	1/8"
TKL13	1/4"	1/4"
TKL17	3/8"	3/8"
TKL21	1/2"	1/2"
TKL26	3/4"	3/4"
TKL33	1"	1"

Male Thread, BSPT x Female Thread, BSPP



Product Code	BSPT A	BSPP B
TDM5	M5	M5
TD10	1/8"	1/8"
TD13	1/4"	1/4"
TD17	3/8"	3/8"
TD21	1/2"	1/2"
TD26	3/4"	3/4"
TD33	1"	1"

Male Thread, BSPT



Product Code	BSPT
TAM5	M5
TA10	1/8"
TA13	1/4"
TA17	3/8"
TA21	1/2"
TA26	3/4"
TA33	1"

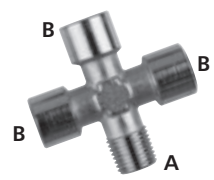
Equal Crosses

Female Thread, BSPP



Product Code	BSPP
FC10	1/8"
FC13	1/4"
FC17	3/8"
FC21	1/2"

Male Thread BSPT x Female Thread, BSPP



Product Code	BSPT A	BSPP B
FD10	1/8"	1/8"
FD13	1/4"	1/4"
FD17	3/8"	3/8"
FD21	1/2"	1/2"

Male Thread, BSPT



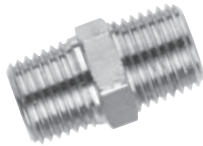
Product Code	BSPT
FE10	1/8"
FE13	1/4"
FE17	3/8"
FE21	1/2"

FOR GREASE NIPPLES, SEE SECTION 1



BRASS ADAPTORS

Male Adaptors, Equal



Male Thread,
BSPT x BSPT

Product Code	BSPT
UP1-18	1/8"
UP1-14	1/4"
UP1-38	3/8"
UP1-12	1/2"
UP1-34	3/4"
UP1-1	1"
UP1-114	1.1/4"
UP1-112	1.1/2"
UP1-2	2"
UP1-212	2.1/2"
UP1-3	3"
UP1-4	4"



Male Thread,
NPTF x BSPT

Product Code	NPTF A	BSPT B
660-1010	1/8"	1/8"
660-1313	1/4"	1/4"
660-1717	3/8"	3/8"
660-2121	1/2"	1/2"

Male Adaptors, Unequal



Male Thread,
BSPT x BSPT

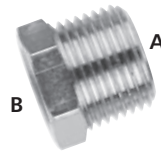
Product Code	BSPT A	BSPT B
UP2-18-14	1/8"	1/4"
UP2-18-38	1/8"	3/8"
UP2-14-38	1/4"	3/8"
UP2-14-12	1/4"	1/2"
UP2-38-12	3/8"	1/2"



Male Thread,
NPTF x NPTF

Product Code	NPTF A	NPTF B
2018-2473	1/8"	1/8"
2018-2481	1/8"	1/4"
2018-2499	1/4"	1/4"
2018-2507	1/8"	3/8"
2018-2515	3/8"	1/4"
2018-2523	3/8"	3/8"
2018-2531	1/4"	1/2"
2018-2549	1/2"	3/8"
2018-2556	1/2"	1/2"
2018-2564	1/4"	3/4"
2018-2572	3/8"	3/4"
2018-2580	1/2"	3/4"
2018-2598	3/4"	3/4"
2018-2606	1/2"	1"
2018-2614	3/4"	1"
2018-2622	1"	1"

Reducing Bush



Male Thread,
BSPT x Female
Thread, BSPP

Product Code	BSPT A	BSPP B
UP3-18-14	1/8"	1/4"
UP3-18-38	1/8"	3/8"
UP3-18-12	1/8"	1/2"
UP3-14-38	1/4"	3/8"
UP3-14-12	1/4"	1/2"
UP3-38-12	3/8"	1/2"

60° Male Adaptors



Coned, Male
Thread, BSPP x BSPP

Product Code	BSPP A	BSPP B
PM18-18	1/8"	1/8"
PM14-18	1/4"	1/8"
PM14-14	1/4"	1/4"
PM38-18	3/8"	1/8"
PM38-14	3/8"	1/4"
PM38-38	3/8"	3/8"
PM12-14	1/2"	1/4"
PM12-38	1/2"	3/8"
PM12-12	1/2"	1/2"
PM34-38	3/4"	3/8"
PM34-12	3/4"	1/2"
PM34-34	3/4"	3/4"
PM1-12	1"	1/2"
PM1-34	1"	3/4"
PM1-1	1"	1"
PM114-114	1.1/4"	1.1/4"
PM112-112	1.1/2"	1.1/2"
PM2-2	2"	2"



Male Thread, BSPP x BSPT

Product Code	BSPP A	BSPT B
PT18	1/8"	1/8"
PT14	1/4"	1/4"
PT38	3/8"	3/8"
PT12	1/2"	1/2"
PT34	3/4"	3/4"
PT1	1"	1"

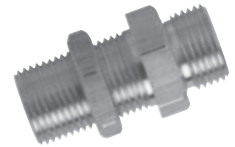
Female Equal Socket



Female Thread,
BSPP x BSPP

Product Code	BSPP
UP4-18	1/8"
UP4-14	1/4"
UP4-38	3/8"
UP4-12	1/2"
UP4-34	3/4"
UP4-1	1"
UP4-114	1.1/4"
UP4-112	1.1/2"
UP4-2	2"
UP4-212	2.1/2"
UP4-3	3"
UP4-4	4"

Bulkhead Connector



Male Thread,
BSPP

Product Code	BSPP
MB18	1/8"
MB14	1/4"
MB38	3/8"
MB12	1/2"
MB34	3/4"
MB1	1"

Equal Elbows



Male Thread,
BSPT x BSPT

Product Code	BSPT
UP5-18	1/8"
UP5-14	1/4"
UP5-38	3/8"
UP5-12	1/2"



Female Thread,
BSPT x BSPT

Product Code	BSPT
UP6-18	1/8"
UP6-14	1/4"
UP6-38	3/8"
UP6-12	1/2"
UP6-34	3/4"
UP6-1	1"
UP6-114	1.1/4"
UP6-112	1.1/2"
UP6-2	2"
UP6-212	2.1/2"
UP6-3	3"
UP6-4	4"



Male Thread,
BSPT x Female
Thread, BSPT

Product Code	BSPT
UP7-18	1/8"
UP7-14	1/4"
UP7-38	3/8"
UP7-12	1/2"

Equal Tees



Female Thread,
BSPT

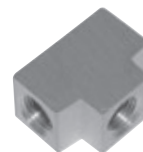
Product Code	BSPT
UP8-18	1/8"
UP8-14	1/4"
UP8-38	3/8"
UP8-12	1/2"
UP8-34	3/4"
UP8-1	1"
UP8-114	1.1/4"
UP8-112	1.1/2"
UP8-2	2"
UP8-212	2.1/2"
UP8-3	3"
UP8-4	4"



Male Thread,
BSPT

Product Code	BSPT
UP9-18	1/8"
UP9-14	1/4"
UP9-38	3/8"
UP9-12	1/2"

Female Block Equal Tee



Female Thread,
BSPT

Product Code	BSPT
UP10-18	1/8"
UP10-14	1/4"
UP10-38	3/8"

Male x Female 45° Equal Elbow



Male Thread,
BSPT x Female
Thread, BSPT

Product Code	BSPT A	BSPT B
UP11-18	1/8"	1/8"
UP11-14	1/4"	1/4"

Swivel Union



Male Thread,
BSPT x BSPT

Product Code	BSPT A	BSPT B
LD10/10K	1/8"	1/8"
LD13/13K	1/4"	1/4"
LD13/17K	3/8"	1/4"
LD17/17K	3/8"	3/8"
LD21/21K	1/2"	1/2"
LD26/26K	3/4"	3/4"
LD33/33K	1"	1"

FOR VENT SCREWS, SEE SECTION 2



PLASTIC PUSH-IN FITTINGS

Temperature Range:
Brass: 0°C to +60°C
Acetal: 0°C to +60°C



Working Pressure:
10 bar
(150 psi)

- Media: air and water
- Suitable for vacuum
- Negative pressure: -750mm Hg (10 Torr)

Male Studs



Male Thread,
BSPT & Metric

Product Code	OD mm	Thread
2019-4890	4	M5
2019-4932	4	1/8"
2046-7163	4	M6
2019-4940	4	1/4"
2046-7164	4	3/8"
2019-4957	6	M5
2019-4965	6	1/8"
2046-7165	6	M6
2019-4973	6	1/4"
2019-4981	6	3/8"
2046-7166	6	1/2"
2019-4999	8	1/8"
2019-5004	8	1/4"
2019-5012	8	3/8"
2019-5020	8	1/2"
2019-5038	10	1/8"
2019-5046	10	1/4"
2019-5053	10	3/8"
2019-5061	10	1/2"
2019-5076	12	1/4"
2019-5087	12	3/8"
2019-5095	12	1/2"



Male Thread,
BSPP

Product Code	OD mm	BSPP
2028-7736	4	1/8"
2028-7793	4	1/4"
2028-7819	6	1/8"
2028-7843	6	1/4"
2028-7868	6	3/8"
2028-7876	8	1/8"
2028-7884	8	1/4"
2028-7900	8	3/8"
2028-7918	8	1/2"
2028-7926	10	1/8"
2028-7934	10	1/4"
2028-7942	10	3/8"
2028-7959	10	1/2"
2028-7967	12	1/4"
2028-7975	12	3/8"
2028-7983	12	1/2"

Female Stud



Female Thread,
BSPP

Product Code	OD mm	Thread
2019-6325	4	1/8"
2046-7167	4	1/4"
2019-6366	6	1/8"
2019-6416	6	1/4"
2019-6432	6	3/8"
2019-6440	8	1/8"
2019-6465	8	1/4"
2019-6721	8	3/8"
2046-7168	8	1/2"
2019-6739	10	1/8"
2019-6754	10	1/4"
2019-6911	10	3/8"
2046-7169	10	1/2"
2019-6929	12	1/4"
2019-7018	12	3/8"
2019-7059	12	1/2"

Extended Male Stud Elbow



Male Thread,
BSPP

Product Code	OD mm	Thread
2033-8729	4	1/8"
2033-8737	4	1/4"
2033-8745	6	1/8"
2033-8752	6	1/4"
2033-8778	6	3/8"
2033-8786	8	1/8"
2033-9107	8	1/4"
2033-9115	8	3/8"
2033-9131	10	1/8"
2033-9149	10	1/4"
2033-9156	10	3/8"
2033-9180	12	3/8"

Female Bulkhead Connector



Female Thread,
BSPP & Metric

Product Code	OD mm	Thread	Bulkhead
2046-7194	4	M5	M12 x 1
2019-7083	4	1/8"	M12 x 1
2046-7195	4	M6	M12 x 1
2046-7196	4	1/4"	M12 x 1
2046-7197	6	M5	M14 x 1
2019-7125	6	1/8"	M14 x 1
2046-7198	6	M6	M14 x 1
2019-7133	6	1/4"	M14 x 1
2046-7199	6	3/8"	M14 x 1
2046-7200	6	1/2"	M14 x 1
2046-7201	8	1/8"	M16 x 1
2019-7166	8	1/4"	M16 x 1
2019-7182	8	3/8"	M16 x 1
2046-7202	8	1/2"	M16 x 1
2046-7203	10	1/8"	M20 x 1
2019-7299	10	1/4"	M20 x 1
2019-7307	10	3/8"	M20 x 1
2046-7204	10	1/2"	M20 x 1
2019-7315	12	1/4"	M22 x 1
2019-7497	12	3/8"	M22 x 1
2046-7205	12	1/2"	M22 x 1

Equal Elbow



Product Code	OD mm
2019-8347	4
2019-8354	6
2019-8362	8
2019-8370	10
2019-8388	12

FOR COMPRESSORS, SEE SECTION 10



Equal Bulkhead Connector



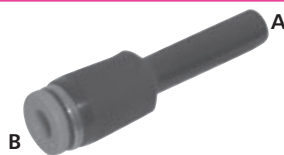
Product Code	OD mm	Bulkhead
2019-8495	4	M12 x 1
2019-8503	6	M14 x 1
2019-8511	8	M16 x 1
2019-8529	10	M20 x 1
2019-8537	12	M22 x 1

Equal T



Product Code	OD mm
2019-8396	4
2019-8404	6
2019-8412	8
2019-8420	10
2019-8438	12

Tube, Reducing



Product Code	OD A mm	OD B mm
2028-8437	6	4
2028-8445	8	4
2028-8452	8	6
2028-8460	10	6
2028-8478	10	8
2028-8486	12	8
2028-8494	12	10

Male Stud Elbows



Male Thread, BSPP

Product Code	OD mm	Thread
2028-8221	4	1/8"
2028-8239	4	1/4"
2028-8247	6	1/8"
2028-8254	6	1/4"
2028-8262	6	3/8"
2028-8270	8	1/8"
2028-8288	8	1/4"
2028-8296	8	3/8"
2028-8304	8	1/2"
2028-8312	10	1/8"
2028-8320	10	1/4"
2028-8338	10	3/8"
2028-8379	10	1/2"
2028-8403	12	1/4"
2028-8411	12	3/8"
2028-8429	12	1/2"

Male Thread, BPST & Metric



Product Code	OD mm	Thread
2019-5103	4	M5
2019-5111	4	1/8"
2046-7170	4	M6
2019-5129	4	1/4"
2019-5822	6	M5
2019-5145	6	1/8"
2046-7171	6	M6
2019-5152	6	1/4"
2019-5160	6	3/8"
2046-7172	6	1/2"
2019-5178	8	1/8"
2019-5186	8	1/4"
2019-5194	8	3/8"
2019-5202	8	1/2"
2019-5210	10	1/8"
2019-5228	10	1/4"
2019-5236	10	3/8"
2019-5244	10	1/2"
2019-5251	12	1/4"
2019-5269	12	3/8"
2019-5277	12	1/2"

Equal Straight



Product Code	OD mm
2019-8297	4
2019-8305	6
2019-8313	8
2019-8321	10
2019-8339	12

Unequal Straight



Product Code	OD A mm	OD B mm
2019-8545	4	6
2019-8552	6	8
2019-8560	8	10
2019-8578	10	12

FOR TOOLS, SEE SECTION 11



Wade

BRASS COMPRESSION FITTINGS, METRIC

Equal Ended Couplings



Product Code	OD mm
WADE-MC104	4
WADE-MC105	5
WADE-MC106	6
WADE-MC108	8
WADE-MC110	10
WADE-MC112	12
WADE-MC114	14
WADE-MC115	15
WADE-MC116	16
WADE-MC120	20

Reducing Couplings



Product Code	OD A mm	OD B mm
WADE-MC106/104	6	4
WADE-MC108/105	8	5
WADE-MC108/106	8	6
WADE-MC110/106	10	6

Equal Ended Bulkhead Coupling



Product Code	OD mm	Bulkhead
WADE-MB106/L10	6	10
WADE-MB108/L10	8	10
WADE-MB110/L10	10	10
WADE-MB112/L10	12	10
WADE-MB115/L10	15	10
WADE-MB122/L12	22	12

Equal Elbow



Product Code	OD mm
WADE-ME104	4
WADE-ME106	6
WADE-ME108	8
WADE-ME110	10
WADE-ME112	12
WADE-ME114	14
WADE-ME115	15
WADE-ME116	16
WADE-ME120	20
WADE-ME122	22

Equal Tee



Product Code	OD mm
WADE-MT104	4
WADE-MT105	5
WADE-MT106	6
WADE-MT108	8
WADE-MT110	10
WADE-MT112	12
WADE-MT115	15
WADE-MT116	16
WADE-MT118	18
WADE-MT122	22

Test Point Elbow



Product Code	OD mm
WADE-MTP1208E	8

Male Stud Coupling



BSPT

Product Code	OD mm	BSPT
WADE-MC104/083	4	1/8"
WADE-MC104/163	4	1/4"
WADE-MC105/083	5	1/8"
WADE-MC105/163	5	1/4"
WADE-MC106/083	6	1/8"
WADE-MC106/163	6	1/4"
WADE-MC106/243	6	3/8"
WADE-MC108/083	8	1/8"
WADE-MC108/163	8	1/4"
WADE-MC108/243	8	3/8"
WADE-MC110/083	10	1/8"
WADE-MC110/163	10	1/4"
WADE-MC110/243	10	3/8"
WADE-MC110/323	10	1/2"
WADE-MC112/163	12	1/4"
WADE-MC112/243	12	3/8"
WADE-MC112/323	12	1/2"
WADE-MC115/243	15	3/8"
WADE-MC115/323	15	1/2"
WADE-MC116/243	16	3/8"
WADE-MC116/323	16	1/2"
WADE-MC120/483	20	3/4"
WADE-MC122/483	22	3/4"

BSPP

Product Code	OD mm	BSPP
WADE-MC104/081	4	1/8"
WADE-MC104/161	4	1/4"
WADE-MC106/081	6	1/8"
WADE-MC106/161	6	1/4"
WADE-MC106/241	6	3/8"
WADE-MC108/081	8	1/8"
WADE-MC108/161	8	1/4"
WADE-MC108/241	8	3/8"
WADE-MC110/161	10	1/4"
WADE-MC110/241	10	3/8"
WADE-MC110/321	10	1/2"
WADE-MC112/161	12	1/4"
WADE-MC112/241	12	3/8"
WADE-MC112/321	12	1/2"
WADE-MC115/241	15	3/8"
WADE-MC115/321	15	1/2"
WADE-MC116/321	16	1/2"
WADE-MC118/481	18	3/4"
WADE-MC120/481	20	3/4"
WADE-MC122/481	22	3/4"
WADE-MC125/481	25	3/4"
WADE-MC125/641	25	1"

FOR LUBRICATION PUMPS, SEE SECTION 3



Male Stud Elbow



BSPT

Product Code	OD mm	BSPT
WADE-ME104/083	4	1/8"
WADE-ME106/083	6	1/8"
WADE-ME106/163	6	1/4"
WADE-ME108/083	8	1/8"
WADE-ME108/163	8	1/4"
WADE-ME108/243	8	3/8"
WADE-ME110/163	10	1/4"
WADE-ME110/243	10	3/8"
WADE-ME112/163	12	1/4"
WADE-ME112/243	12	3/8"
WADE-ME112/323	12	1/2"
WADE-ME115/323	15	1/2"
WADE-ME116/323	16	1/2"
WADE-ME120/483	20	3/4"
WADE-ME122/483	22	3/4"
WADE-ME125/483	25	3/4"



BSPP

Product Code	OD mm	BSPP
WADE-ME106/081	6	1/8"
WADE-ME106/161	6	1/4"
WADE-ME108/081	8	1/8"
WADE-ME108/161	8	1/4"
WADE-ME110/161	10	1/4"
WADE-ME110/241	10	3/8"
WADE-ME112/321	12	1/2"

Single Banjo Coupling with Steel Bolt



BSPP

Product Code	OD mm	BSPP
WADE-MJ108/081	8	1/8"
WADE-MJ108/161	8	1/4"
WADE-MJ110/161	10	1/4"
WADE-MJ112/241	12	3/8"
WADE-MJ112/321	12	1/2"

Male Branch Tee



BSPT

Product Code	OD mm	BSPT
WADE-MT106/083	6	1/8"
WADE-MT106/163	6	1/4"
WADE-MT108/163	8	1/4"
WADE-MT110/163	10	1/4"

Male Run Tee



BSPT

Product Code	OD mm	BSPT
WADE-MT163/108	8	1/4"

Female Stud Coupling



BSPT

Product Code	OD mm	BSPT
WADE-MC108/164	8	1/4"



BSPP

Product Code	OD mm	BSPP
WADE-MC106/082	6	1/8"
WADE-MC106/162	6	1/4"
WADE-MC108/082	8	1/8"
WADE-MC108/162	8	1/4"
WADE-MC108/242	8	3/8"
WADE-MC110/162	10	1/4"
WADE-MC110/242	10	3/8"
WADE-MC110/322	10	1/2"
WADE-MC112/162	12	1/4"
WADE-MC112/322	12	1/2"
WADE-MC115/242	15	3/8"
WADE-MC115/322	15	1/2"
WADE-MC122/482	22	3/4"

Female Pressure Gauge Connector



BSPP

Product Code	OD mm	BSPP
WADE-MGA104/162	4	1/4"
WADE-MGA106/162	6	1/4"
WADE-MGA106/242	6	3/8"

Female Stud Elbow



BSPP

Product Code	OD mm	BSPP
WADE-ME106/082	6	1/8"
WADE-ME108/082	8	1/8"
WADE-ME108/162	8	1/4"
WADE-ME110/162	10	1/4"
WADE-ME112/322	12	1/2"

Compression Nuts



Product Code	OD mm
WADE-WMUN104	4
WADE-WMUN105	5
WADE-WMUN106	6
WADE-WMUN108	8
WADE-WMUN110	10
WADE-WMUN112	12

Ferrules



Light Gauge

Product Code	OD mm	ID mm
WADE-MNF706	6	4.5
WADE-MNF708	8	6

Medium Gauge

Product Code	OD mm	ID mm
WADE-MNF806	6	4
WADE-MNF808	8	5.5
WADE-MNF810	10	7
WADE-MNF812	12	8.5

Universal Brass Compression Rings



Product Code	OD mm
WADE-WMURM4	4
WADE-WMURM5	5
WADE-WMURM6	6
WADE-WMURM8	8
WADE-WMURM10	10
WADE-WMURM12	12

Wade

BRASS COMPRESSION FITTINGS, IMPERIAL

Wade couplings consistently produce cost-effective, reliable, leak-tight joints. They can be found in general use throughout the following industries: hydraulic, pneumatic, automotive, locomotive, LPG, oil and gas, power generation, air conditioning, heating and ventilation, and also for applications where there is need for the added safety provided by an engineering fitting.

All Wade compression fittings are manufactured to BS 2051 Part 2 and from material to all of the following standards:

- BAR parts: BS 2874 CZ121
- Stampings: BS 2872 CZ122
- Castings: BS 1400 LG2
- Copper rings: BS 2871 Part 2 C106

The wade compression fittings are suitable for use with copper, brass, Bundy, nylon, polythene and PVC coated copper tube.

The following fittings are only part of the Wade range; the full range consists of metric, 4mm to 28mm, and imperial, 1/8" to 1.1/4", with thread options in API/NPT, BSPT, BSPP and metric forms.

Note: for details of fittings not listed, please speak to our technical department.

Male Stud Couplings



BSPT

Product Code	OD	BSPT
WADE-7060	1/8"	1/8"
WADE-7060/3	1/8"	1/4"
WADE-7061	3/16"	1/8"
WADE-7061/3	3/16"	1/4"
WADE-7063	1/4"	1/4"
WADE-7063/1	1/4"	1/8"
WADE-7063/8	1/4"	3/8"
WADE-7063/11	1/4"	1/2"
WADE-7065/1	5/16"	1/8"
WADE-7065	5/16"	1/4"
WADE-7065/8	5/16"	3/8"
WADE-7068/1	3/8"	1/8"
WADE-7068/3	3/8"	1/4"
WADE-7068	3/8"	3/8"
WADE-7068/11	3/8"	1/2"
WADE-7071/3	1/2"	1/4"
WADE-7071/8	1/2"	3/8"
WADE-7071	1/2"	1/2"
WADE-7073/11	5/8"	1/2"
WADE-7074/11	3/4"	1/2"
WADE-7074	3/4"	3/4"



BSPP

Product Code	OD	BSPP
WADE-1060	1/8"	1/8"
WADE-4060/3	1/8"	1/4"
WADE-1061	3/16"	1/8"
WADE-4061/3	3/16"	1/4"
WADE-4063/1	1/4"	1/8"
WADE-1063	1/4"	1/4"
WADE-4063/8	1/4"	3/8"
WADE-4063/11	1/4"	1/2"
WADE-4065/1	5/16"	1/8"
WADE-1065	5/16"	1/4"
WADE-4065/8	5/16"	3/8"
WADE-4065/11	5/16"	1/2"
WADE-4068/3	3/8"	1/4"
WADE-1068	3/8"	3/8"
WADE-4068/11	3/8"	1/2"
WADE-4071/3	1/2"	1/4"
WADE-4071/8	1/2"	3/8"
WADE-1071	1/2"	1/2"
WADE-4071/14	1/2"	3/4"

Female Stud Couplings



BSPT

Product Code	OD	BSPT
WADE-1080	1/8"	1/8"
WADE-4080/3	1/8"	1/4"
WADE-1081	3/16"	1/8"
WADE-4081/3	3/16"	1/4"
WADE-4083/1	1/4"	1/8"
WADE-1083	1/4"	1/4"
WADE-4083/8	1/4"	3/8"
WADE-4083/11	1/4"	1/2"
WADE-1085	5/16"	1/4"
WADE-4085/8	5/16"	3/8"
WADE-4085/11	5/16"	1/2"
WADE-4088/3	3/8"	1/4"
WADE-1088	3/8"	3/8"
WADE-4088/11	3/8"	1/2"
WADE-4091/8	1/2"	3/8"
WADE-1091	1/2"	1/2"

Equal Ended Couplings



Product Code	OD
WADE-1040	1/8"
WADE-1041	3/16"
WADE-1043	1/4"
WADE-1045	5/16"
WADE-1048	3/8"
WADE-1051	1/2"

Equal Ended Bulkhead Couplings



Product Code	OD	Bulkhead
WADE-1041/L6	3/16"	3/8"
WADE-1043/L3	1/4"	3/16"
WADE-1043/L6	1/4"	3/8"
WADE-1045/L3	5/16"	3/16"
WADE-1045/L6	5/16"	3/8"
WADE-1048/L6	3/8"	3/8"
WADE-1051/L8	1/2"	1/2"
WADE-1051/L12	1/2"	3/4"

Equal Elbows



Product Code	OD
WADE-2000	1/8"
WADE-2001	3/16"
WADE-2003	1/4"
WADE-2005	5/16"
WADE-2008	3/8"
WADE-2011	1/2"

Female Stud Elbows



BSPP

Product Code	OD	BSPP
WADE-1981	3/16"	1/8"
WADE-1985	5/16"	1/4"

Male Stud Elbows



BSPT

Product Code	OD	BSPT
WADE-8020	1/8"	1/8"
WADE-8021	3/16"	1/8"
WADE-8021/3	3/16"	1/4"
WADE-8023/1	1/4"	1/8"
WADE-8023	1/4"	1/4"
WADE-8023/8	1/4"	3/8"
WADE-8025/1	5/16"	1/8"
WADE-8025	5/16"	1/4"
WADE-8028/1	3/8"	1/8"
WADE-8028/3	3/8"	1/4"
WADE-8028	3/8"	3/8"
WADE-8028/11	3/8"	1/2"
WADE-8031	1/2"	1/2"

Tee, Male Stud Branch



Product Code	OD	BSPT
WADE-9063/B	1/4"	1/4"
WADE-9068/3B	3/8"	1/4"
WADE-9068/B	3/8"	3/8"

Equal Ended Cross



Product Code	OD
WADE-2085	5/16"

Female Pressure Connectors



Product Code	OD	BSPP
WADE-1083/A	1/4"	1/4"
WADE-4083/8A	1/4"	3/8"
WADE-4083/11A	1/4"	1/2"
WADE-1088/A	3/8"	3/8"
WADE-4088/11A	3/8"	1/2"

Equal Tees



Product Code	OD
WADE-2041	3/16"
WADE-2043	1/4"
WADE-2045	5/16"
WADE-2048	3/8"
WADE-2051	1/2"

Tee, Male Stud Run



Product Code	OD	BSPT
WADE-9061/E	3/16"	1/8"

Plug Cocks



Product Code	OD
WADE-3001	3/16"
WADE-3003	1/4"
WADE-3005	5/16"
WADE-3008	3/8"

Compression Nuts



Product Code	OD
WADE-WUN1000	1/8"
WADE-WUN1001	3/16"
WADE-WUN1003	1/4"
WADE-WUN1005	5/16"
WADE-WUN1008	3/8"
WADE-WUN1011	1/2"

Reducing Couplings



Product Code	OD A	OD B
WADE-4043/0	1/4"	1/8"
WADE-4043/1	1/4"	3/16"
WADE-4045/1	5/16"	3/16"
WADE-4045/3	5/16"	1/4"
WADE-4048/3	3/8"	1/4"
WADE-4048/5	3/8"	5/16"
WADE-4051/3	1/2"	1/4"
WADE-4051/8	1/2"	3/8"

Imperial to Metric Couplings



Product Code	OD	OD mm
WADE-MC106/3	1/4"	6
WADE-MC110/8	3/8"	10

Brass Compression Rings



Product Code	OD
WADE-WUR1020	1/8"
WADE-WUR1021	3/16"
WADE-WUR1023	1/4"
WADE-WUR1026	5/16"
WADE-WUR1028	3/8"
WADE-WUR1031	1/2"

FOR VALVES, SEE SECTION 8



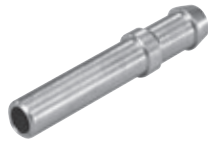
**NORGREN**

ENOTS COMPRESSION FITTINGS, METRIC

- Wide range of types and sizes
- Suitable for use under extreme conditions of temperature and pressure
- Rugged and durable
- Ideal for most general industrial applications

- Tubing nut, sleeve and body manufactured from bar: Brass to BS 2874: 1986 (CZ 121)
- Body manufactured from stamping: Brass to BS 2872: 1969 (CZ 122)
- Banjo bolts have a bright nickel plated finish
- Tube types: Nylon 11 or 12 and other plasticised or unplasticised tubing which conforms to the tolerances specified in BS5409: Part 1 1976
Copper, annealed and half-hard to BS2871: Part 2
Double wall brazed steel

Stem Adaptors



Tailpiece

Product Code	Stem OD mm	ID mm
36052415	4	5.0
36052424	6	6.3
36052425	8	6.3
36052442	10	10.0
36052443	12	10.0



Nippled

Product Code	Stem OD mm	OD mm
36062504	6	6
36062507	12	12



Straight, BSPP

Product Code	Stem OD mm	Thread
36052110	6	1/4"
36052105	8	1/8"
36052111	8	1/4"
36052120	10	3/8"
36052121	12	3/8"



Straight, BSPT

Product Code	Stem OD mm	Thread
36053104	6	1/8"
36053110	6	1/4"
36053111	8	1/4"
36053112	10	1/4"
36053120	10	3/8"

Tubing Plug



Product Code	OD mm
36050902	4
36050904	6
36050905	8
36050906	10
36050907	12

Bulkhead Locknut



Product Code	Thread
36052001	M12 x 1,0
36052003	M15 x 1,0
36052005	M18 x 1,5
36052006	M20 x 1,5
36052007	M24 x 1,5

Bulkhead Connector



Product Code	OD mm	Thread
36050802	4	M12 x 1.0
36050804	6	M15 x 1.0
36050805	8	M18 x 1.5
36050806	10	M20 x 1.5
36050807	12	M24 x 1.5

Unequal Connector



Product Code	OD A mm	OD B mm
36056247	6	8
36056248	6	10
36056256	8	10
36056257	8	12
36056264	10	12

Reducing Connector



Product Code	OD A mm	OD B mm
36051727	4	6
36051728	4	8
36051747	6	8
36051748	6	10
36051749	6	12
36051756	8	10
36051757	8	12
36051758	8	16
36051764	10	12
36051765	10	16

Nippled Connector



Product Code	OD mm
36063202	4
36063204	6
36063205	8
36063206	10

FOR OIL RESERVOIRS, SEE SECTION 2



Fast Rotating Joints



BSPT

Product Code	Thread
04016100	1/4"

Straight Connectors



Equal

Product Code	OD mm
36050302	4
36050304	6
36050305	8
36050306	10
36050307	12



Bracketed

Product Code	OD mm
36055202	4
36055205	8
36055206	10
36055207	12

Four Way Connector



Product Code	OD mm
36051602	4
36051604	6
36051605	8
36051606	10
36051607	12

Metric to Inch Adaptor



Product Code	OD A mm	OD B
36052602	4	1/8"
36052615	4	3/16"
36052622	4	1/4"
36052617	6	3/16"
36052624	6	1/4"
36052625	8	1/4"
36052642	10	3/8"

Nippled Adaptors



BSPT

Product Code	OD A mm	OD B
36055602	4	1/8"
36055608	4	1/4"
36055610	6	1/4"
36055605	8	1/8"
36055611	8	1/4"
36055619	8	3/8"
36055612	10	1/4"
36055620	10	3/8"
36055621	12	3/8"



BSPP

Product Code	OD A mm	OD B
36055702	4	1/8"
36055704	6	1/8"
36055710	6	1/4"
36055711	8	1/4"
36055719	8	3/8"
36055712	10	1/4"
36055720	10	3/8"
36055721	12	3/8"
36055730	12	1/2"

Straight Adaptors



Male, BSPT

Product Code	OD A mm	Thread B
36053002	4	1/8"
36053008	4	1/4"
36053004	6	1/85"
36053010	6	1/4"
36053018	6	3/8"
36053005	8	1/8"
36053011	8	1/4"
36053019	8	3/8"
36053028	8	1/25"
36053006	10	1/8"
36053012	10	1/4"
36053020	10	3/8"
36053029	10	1/2"
36053013	12	1/4"
36053021	12	3/8"
36053030	12	1/2"
36053044	12	3/4"



Male, BSPP

Product Code	OD A mm	Thread B
36050402	4	1/8"
36050408	4	1/4"
36050404	6	1/8"
36050410	6	1/4"
36050418	6	3/8"
36050405	8	1/8"
36050411	8	1/4"
36050428	8	1/2"
36050412	10	1/4"
36050420	10	3/8"
36050429	10	1/2"
36050413	12	1/4"
36050421	12	3/8"
36050430	12	1/2"



Female, BSPP

Product Code	OD A mm	Thread B
36050502	4	1/8"
36050504	6	1/8"
36050510	6	1/4"
36050505	8	1/8"
36050511	8	1/4"
36050519	8	3/8"
36050512	10	1/4"
36050521	12	3/8"
36050530	12	1/2"

FOR COUPLINGS, SEE SECTION 8



Elbow Connectors



Equal

Product Code	OD mm
36051104	6
36051105	8
36051106	10
36051107	12



Stem

Product Code	OD mm	Stem OD mm
36055104	6	6
36055105	8	8
36055106	10	10
36055107	12	12



Bracketed

Product Code	OD mm
36054802	4
36054804	6
36054805	8
36054806	10
36054807	12

Male Tee Adaptor



Male, BSPT

Product Code	OD A mm	Thread B
36062704	6	1/8"
36062711	8	1/4"
36062712	10	1/4"
36062721	12	3/8"

Y Connector



Product Code	OD mm
36055802	4
36055804	6

Tee Connectors



Equal

Product Code	OD mm
36051402	4
36051404	6
36051405	8
36051406	10
36051407	12



Stem

Product Code	OD mm	Stem OD mm
36055004	6	6
36055005	8	8
36055007	12	12



Bracketed

Product Code	OD mm
36054902	4
36054904	6
36054905	8
36054906	10
36054907	12



Side Stem

Product Code	OD mm	Stem OD mm
36062606	10	10

Tubing Nut



Product Code	OD mm
36050002	4
36050003	5
36050004	6
36050005	8
36050006	10
36050007	12
36050008	16

Elbow Adaptors



Female, BSPP

Product Code	OD mm	Thread
36055502	4	1/8"
36055510	6	1/4"
36055512	10	1/4"
36055520	10	3/8"



Male, BSPT

Product Code	OD A mm	Thread B
36000502	4	1/8"
36000508	4	1/4"
36000504	6	1/8"
36000510	6	1/4"
36000518	6	3/8"
36000505	8	1/8"
36000511	8	1/4"
36000528	8	1/2"
36000512	10	1/4"
36000520	10	3/8"
36000529	10	1/2"
36000513	12	1/4"
36000521	12	3/8"
36000530	12	1/2"

Universal Tubing Sleeve



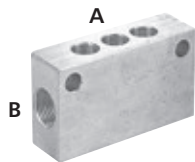
Metal & Nylon Tube

Product Code	OD mm
36050102	4
36050103	5
36050104	6
36050105	8
36050106	10
36050107	12
36050108	16

FOR FILTERS, SEE SECTION 5

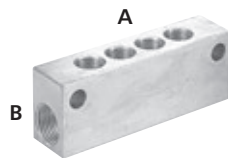


Manifolds



Single Sided

Product Code	OD A mm	OD B mm
36030428	4	8
36030449	6	12
36030457	8	12



Double Sided

Product Code	OD A mm	OD B mm
36040649	6	12

Elbow Banjo Assembly



Non-regulating, BSPP

Product Code	OD mm	Thread
18A510418	4	1/8"
18A510618	6	1/8"
18A510818	8	1/8"
18A510828	8	1/4"
18A510838	8	3/8"
18A511028	10	1/4"
18A511048	10	1/2"
18A511238	12	3/8"

• Screwdriver adjustable



Regulating Out, BSPP

Product Code	OD mm	Thread
18K510828	8	1/4"

Banjo Bolts



Single Stacking,
Non-regulating,
BSPP

Product Code	Thread
20A000018	1/8"
20A000028	1/4"

Supplied complete with sealing washers.



Single Stacking,
Regulating, BSPP

Product Code	Flow	Thread
20K000018	Regulating Out	1/8"
20K000028	Regulating Out	1/4"
20K000038	Regulating Out	3/8"
20K000048	Regulating Out	1/2"
20L000018	Regulating In	1/8"
20L000028	Regulating In	1/4"
20M000018	Bidirectional	1/8"
20M000028	Bidirectional	1/4"
20M000038	Bidirectional	3/8"

Supplied complete with sealing washers.



Double Stacking,
Non-regulating,
BSPP

Product Code	Thread
20B000018	1/8"
20B000048	1/2"

Supplied complete with sealing washers.

Banjo Bodies



Tee

Product Code	OD mm	Bolt Thread
180710618	6	1/8"
180710628	6	1/4"



Elbow

Product Code	OD mm	Bolt Thread
180510618	6	1/8"
180510628	6	1/4"
180510818	8	1/8"
180510828	8	1/4"
180510838	8	3/8"
180511028	10	1/4"
180511248	12	1/2"

Hobbs Straight Connector



BSPP

Product Code	Thread A	Thread B
36054301	1/8"	1/8"
36054302	1/4"	1/4"
36054320	3/8"	1/4"

Hobbs Elbow Adaptor



BSPP

Product Code	OD A mm	Thread B
36054102	4	1/8"
36054104	6	1/8"
36054111	8	1/4"
36054119	8	3/8"
36054112	10	1/4"
36054121	12	3/8"
36054130	12	1/2"

Hobbs Coned Locknut



BSPP

Product Code	Thread
36054001	1/8"
36054002	1/4"
36054004	1/2"

Hobbs Seal



BSPP

Product Code	Thread
34015601	1/8"
34015602	1/4"
34015603	3/8"
34015604	1/2"

FOR FLOW METERS, SEE SECTION 7



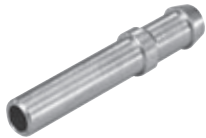
**NORGREN**

ENOTS COMPRESSION FITTINGS, IMPERIAL

- Wide range of types and sizes
- Rugged and durable
- Suitable for use under extreme conditions of temperature and pressure
- Ideal for most general industrial applications

- Tubing nut, sleeve & body manufactured from bar: Brass to BS 2874: 1986 (CZ 121)
- Body manufactured from stamping: Brass to BS 2872: 1969 (CZ 122)
- Banjo bolts have a bright nickel plated finish
- Tube types:
Nylon 11 or 12 and other plasticised or unplasticised tubing which conforms to the tolerances specified in BS5409: Part 1 1976
Copper, annealed and half-hard to BS2871: Part 2
Double wall brazed steel

Stem Adaptors



Tailpiece

Product Code	Stem OD	ID
34005604	1/4"	1/4"
34005606	3/8"	3/8"
34005607	1/2"	1/2"



Nippled

Product Code	Stem OD	ID
34001304	1/4"	1/4"
34001306	3/8"	3/8"
34001307	1/2"	1/2"



Straight, BSPT

Product Code	Stem OD	Thread
34034327	1/2"	3/8"

Nipple Adaptor



BSPT

Product Code	OD A	Thread B
34035009	1/4"	1/8"
34035018	3/8"	1/4"
34035026	3/8"	3/8"
34035019	1/2"	1/4"
34035036	1/2"	1/2"

Tubing Plug



Product Code	OD
34003604	1/4"
34003606	3/8"
34003607	1/2"

Bulkhead Locknut



BSPP

Product Code	OD
34022301	1/8"
34022302	1/4"
34022303	3/8"
34022304	1/2"

Bulkhead Connector



BSPP

Product Code	OD	Thread
34002104	1/4"	3/8"
34002106	3/8"	1/2"
34002107	1/2"	3/4"

Reducing Connector



Product Code	OD A	OD B
34035240	3/8"	1/4"
34035241	1/2"	1/4"

Straight Connector



Equal

Product Code	OD
34000703	3/16"
34000704	1/4"
34000705	5/16"
34000706	3/8"
34000707	1/2"
34000708	5/8"
34000709	3/4"



Bracketed

Product Code	OD
34000904	1/4"
34000906	3/8"

FOR METERING DEVICES, SEE SECTION 4



Straight Adaptors



Male, BSPT

Product Code	OD A	Thread B
34034609	1/4"	1/8"
34034610	5/16"	1/8"
34034616	1/4"	1/4"
34034617	5/16"	1/4"
34034611	3/8"	1/8"
34034618	3/8"	1/4"
34034626	3/8"	3/8"
34034635	3/8"	1/2"
34034619	1/2"	1/4"
34034627	1/2"	3/8"
34034636	1/2"	1/2"



Male, BSPP

Product Code	OD A	Thread B
34034809	1/4"	1/8"
34034816	1/4"	1/4"
34034818	3/8"	1/4"
34034826	3/8"	3/8"
34034835	3/8"	1/2"
34034827	1/2"	3/8"
34034836	1/2"	1/2"



Male, NPTF

Product Code	OD A	Thread B
34034709	1/4"	1/8"
34034716	1/4"	1/4"
34034718	3/8"	1/4"
34034727	1/2"	3/8"
34034736	1/2"	1/2"



Female, BSPP

Product Code	OD A	Thread B
34034409	1/4"	1/8"
34034416	1/4"	1/4"
34034418	3/8"	1/4"
34034426	3/8"	3/8"
34034436	1/2"	1/2"

Elbow Connectors



Equal

Product Code	OD
34006004	1/4"
34006006	3/8"
34006007	1/2"



Stem

Product Code	OD	Stem OD
34005704	1/4"	1/4"
34005706	3/8"	3/8"
34005707	1/2"	1/2"



Bracketed

Product Code	OD
34006404	1/4"



Universal Stem

Product Code	Stem OD
34029206	3/8"
34029207	1/2"

Y Connector



Product Code	OD
34012704	1/4"
34012706	3/8"
34012707	1/2"

Elbow Adaptors



Female, BSPP

Product Code	OD	Thread
34032809	1/4"	1/8"
34032818	3/8"	1/4"
34032826	3/8"	3/8"
34032827	1/2"	3/8"
34032836	1/2"	1/2"



Male, BSPT

Product Code	OD A	Thread B
34033009	1/4"	1/8"
34033016	1/4"	1/4"
34033018	3/8"	1/4"
34033026	3/8"	3/8"
34033019	1/2"	1/4"
34033027	1/2"	3/8"
34033036	1/2"	1/2"



Male, NPTF

Product Code	OD A	Thread B
34033109	1/4"	1/8"
34033118	3/8"	1/4"

FOR DIAPHRAGM PUMPS, SEE SECTION 6



Tee Connectors



Equal

Product Code	OD
34029004	1/4"
34029006	3/8"
34029007	1/2"



Stem

Product Code	OD	Stem OD
34033907	1/2"	1/2"



90° Stem

Product Code	OD	Stem OD
34034006	3/8"	3/8"
34034007	1/2"	1/2"



Universal Stem

Product Code	Stem OD
34034204	1/4"
34034206	3/8"

Tee Adaptors



Female, BSPP

Product Code	OD	Thread
34033509	1/4"	1/8"



Male, BSPT

Product Code	OD	Thread
34033409	1/4"	1/8"
34033418	3/8"	1/4"
34033436	1/2"	1/2"



Side Stem

Product Code	OD	Stem OD
34034106	3/8"	3/8"
34034107	1/2"	1/2"

Tubing Nut



Product Code	OD
34027903	3/16"
34027904	1/4"
34027905	5/16"
34027906	3/8"
34027907	1/2"
34027908	5/8"
34027909	3/4"

Tubing Sleeves



Metal Tube Only

Product Code	OD
34000303	3/16"
34000304	1/4"
34000305	5/16"
34000306	3/8"
34000307	1/2"



Universal, Metal & Nylon Tube

Product Code	OD
34027803	3/16"
34027804	1/4"
34027805	5/16"
34027806	3/8"
34027807	1/2"
34027808	5/8"
34027809	3/4"

FOR GAUGES, SEE SECTION 8



316 STAINLESS STEEL DIN 2353 COMPRESSION FITTINGS

Male Stud Couplings

NEW



LL Series, BSPP

Product Code	OD mm	Thread
GEV4LLR-1.4571	4	1/8"
GEV6LLR-1.4571	6	1/8"
GEV8LLR-1.4571	8	1/8"

LL Series, BSPT

Product Code	OD mm	Thread
GEV4LLRK-1.4571	4	1/8"
GEV6LLRK-1.4571	6	1/8"
GEV8LLRK-1.4571	8	1/8"

LL Series, NPT

Product Code	OD mm	Thread
GEV4LL1/8NPT1.45	4	1/8"
GEV6LL1/8NPT1.45	6	1/8"
GEV8LL1/8NPT1.45	8	1/8"

Male Stud Elbows

NEW



LL Series, BSPT

Product Code	OD mm	Thread
WEV4LLRK-1.4571	4	1/8"
WEV6LLRK-1.4571	6	1/8"
WEV8LLRK-1.4571	8	1/8"

Equal Straight Couplings

NEW



LL Series

Product Code	OD mm
GV4LL-1.571	4
GV6LL-1.4571	6
GV8LL-1.4571	8

Unequal Straight Couplings

NEW



LL Series

Product Code	OD mm	OD mm
GV6/4LL-1.4571	6	4
GV8/4LL-1.4571	8	4

Equal Elbows

NEW



LL Series

Product Code	OD mm
WV4LL-1.4571	4
WV6LL-1.4571	6
WV8LL-1.4571	8

Equal Tees

NEW



LL Series

Product Code	OD mm
TV4LL-1.4571	4
TV6LL-1.4571	6
TV8LL-1.4571	8

Equal Cross

NEW



LL Series

Product Code	OD mm
KV4LL-1.4571	4
KV6LL-1.4571	6
KV8LL-1.4571	8

Unequal Straight Couplings

NEW



Extra Light Duty

Product Code	OD mm
SR-M 4 LL-1.4571	4
SR-M 6 LL-1.4571	6
SR-M 8 LL-1.4571	8

FOR OIL LEVELS, SEE SECTION 2

316 STAINLESS STEEL DIN 2353 TUBE FITTINGS

Male Stud Couplings

NEW



L Series, BSPP (Captive Seal)

Product Code	OD mm	Thread
GE-6L-2EO	6	1/8"
GE-6L-4EO	6	1/4"
GE-8L-2EO	8	1/8"
GE-8L-4EO	8	1/4"
GE-8L-6EO	8	3/8"
GE-10L-4EO	10	1/4"
GE-10L-6EO	10	3/8"
GE-10L-8EO	10	1/2"
GE-12L-4EO	12	1/4"
GE-12L-6EO	12	3/8"
GE-12L-8EO	12	1/2"
GE-15L-6EO	15	3/8"
GE-15L-8EO	15	1/2"
GE-18L-8EO	18	1/2"
GE-18L-12EO	18	3/4"
GE-22L-12EO	22	3/4"
GE-28L-16EO	28	1"

S Series, BSPP (Captive Seal)

Product Code	OD mm	Thread
GE-6S-4EO	6	1/4"
GE-8S-4EO	8	1/4"
GE-8S-6EO	8	3/8"
GE-10S-4EO	10	1/4"
GE-10S-6EO	10	3/8"
GE-10S-8EO	10	1/2"
GE-12S-4EO	12	1/4"
GE-12S-6EO	12	3/8"
GE-12S-8EO	12	1/2"
GE-14S-8EO	14	1/2"
GE-16S-8EO	16	1/2"
GE-16S-6EO	16	3/8"
GE-16S-12EO	16	3/4"
GE-20S-12EO	20	3/4"
GE-25S-8EO	25	1/2"
GE-25S-16EO	25	1"

L Series, Metric (Captive Seal)

Product Code	OD mm	Thread
GE-6L-10MEO	6	M10 x 1
GE-8L-12MEO	8	M12 x 1.5
GE-10L-14MEO	10	M14 x 1.5
GE-12L-16MEO	12	M16 x 1.5
GE-12L-18MEO	12	M18 x 1.5
GE-12L-22MEO	12	M22 x 1.5
GE-15L-18MEO	15	M18 x 1.5
GE-15L-22MEO	15	M22 x 1.5
GE-18L-22MEO	18	M22 x 1.5
GE-22L-26MEO	22	M26 x 1.5
GE-28L-33MEO	28	M33 x 2

NEW



S Series, Metric (Captive Seal)

Product Code	OD mm	Thread
GE-6S-12MEO	6	M12 x 1.5
GE-8S-14MEO	8	M14 x 1.5
GE-10S-16MEO	10	M16 x 1.5
GE-12S-18MEO	12	M18 x 1.5
GE-14S-20MEO	14	M20 x 1.5
GE-16S-22MEO	16	M22 x 1.5
GE-20S-27MEO	20	M27 x 2
GE-25S-33MEO	25	M33 x 2

L Series, Metric Parallel, Form B Sealing

Product Code	OD mm	Thread
GE-6L-10MPB	6	M10 x 1
GE-8L-12MPB	8	M12 x 1.5
GE-8L-18MPB	8	M18 x 1.5
GE-10L-14MPB	10	M14 x 1.5
GE-10L-16MPB	10	M16 x 1.5
GE-10L-18MPB	10	M18 x 1.5
GE-10L-22MPB	10	M22 x 1.5
GE-12L-14MPB	12	M14 x 1.5
GE-12L-16MPB	12	M16 x 1.5
GE-12L-18MPB	12	M18 x 1.5
GE-12L-22MPB	12	M22 x 1.5
GE-15L-16MPB	15	M16 x 1.5
GE-15L-18MPB	15	M18 x 1.5
GE-15L-22MPB	15	M22 x 1.5
GE-18L-18MPB	18	M18 x 1.5
GE-18L-22MPB	18	M22 x 1.5
GE-22L-22MPB	22	M22 x 1.5
GE-22L-26MPB	22	M26 x 1.5
GE-28L-33MPB	28	M33 x 1.5

S Series, Metric Parallel, Form B Sealing

Product Code	OD mm	Thread
GE-6S-12MPB	6	M12 x 1.5
GE-8S-14MPB	8	M14 x 1.5
GE-10S-16MPB	10	M16 x 1.5
GE-12S-18MPB	12	M18 x 1.5
GE-12S-22MPB	12	M22 x 1.5
GE-14S-20MPB	14	M20 x 1.5
GE-16S-18MPB	16	M18 x 1.5
GE-16S-22MPB	16	M22 x 1.5
GE-20S-27MPB	20	M27 x 2
GE-25S-33MPB	25	M33 x 2

NEW



L Series, BSPT

Product Code	OD mm	Thread
GE-6L-2RT	6	1/8"
GE-8L-4RT	8	1/4"
GE-10L-4RT	10	1/4"
GE-12L-4RT	12	1/4"
GE-12L-6RT	12	3/8"
GE-12L-8RT	12	1/2"
GE-15L-6RT	15	3/8"
GE-15L-8RT	15	1/2"
GE-18L-8RT	18	1/2"
GE-22L-12RT	22	3/4"

L Series, NPT

Product Code	OD mm	Thread
GE-6L-2N	6	1/8"
GE-6L-4N	6	1/4"
GE-8L-4N	8	1/4"
GE-10L-4N	10	1/4"
GE-10L-6N	10	3/8"
GE-12L-4N	12	1/4"
GE-12L-6N	12	3/8"
GE-12L-8N	12	1/2"
GE-15L-8N	15	1/2"
GE-18L-8N	18	1/2"
GE-22L-12N	22	3/4"
GE-28L-16N	28	1"

S Series, NPT

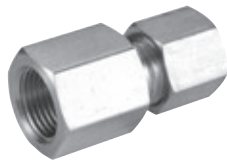
Product Code	OD mm	Thread
GE-6S-4N	6	1/4"
GE-8S-4N	8	1/4"
GE-10S-4N	10	1/4"
GE-10S-6N	10	3/8"
GE-12S-4N	12	1/4"
GE-12S-6N	12	3/8"
GE-12S-8N	12	1/2"
GE-14S-8N	14	1/2"
GE-16S-8N	16	1/2"
GE-20S-12N	20	1/2"
GE-25S-16N	25	1"

FOR SUCTION STRAINERS, SEE SECTION 10



Female Stud Couplings

NEW



L Series, BSPP

Product Code	OD mm	Thread
GAI-6L-2RG	6	1/8"
GAI-8L-4RG	8	1/4"
GAI-8L-6RG	8	3/8"
GAI-8L-8RG	8	1/2"
GAI-10L-4RG	10	1/4"
GAI-10L-6RG	10	3/8"
GAI-10L-8RG	10	1/2"
GAI-12L-6RG	12	3/8"
GAI-12L-8RG	12	1/2"
GAI-15L-8RG	15	1/2"
GAI-18L-8RG	18	1/2"
GAI-22L-12RG	22	3/4"
GAI-28L-16RG	28	1"

S Series, BSPP

Product Code	OD mm	Thread
GAI-6S-4RG	6	1/4"
GAI-8S-4RG	8	1/4"
GAI-10S-6RG	10	3/8"
GAI-12S-6RG	12	3/8"
GAI-14S-8RG	14	1/2"
GAI-16S-8RG	16	1/2"
GAI-20S-12RG	20	3/4"
GAI-25S-16RG	25	1"

Reducing Thread Adaptors

NEW



BSPP, Form B

Product Code	Male Thread	Female Thread
RI-2RP-4RG	1/8"	1/4"
RI-2RP-6RG	1/8"	3/8"
RI-4RP-2RG	1/4"	1/8"
RI-4RP-6RG	1/4"	3/8"
RI-4RP-8RG	1/4"	1/2"
RI-4RP-12RG	1/4"	3/4"
RI-6RP-2RG	3/8"	1/8"
RI-6RP-4RG	3/8"	1/4"
RI-6RP-8RG	3/8"	1/2"
RI-6RP-12RG	3/8"	3/4"
RI-8RP-2RG	1/2"	1/8"
RI-8RP-4RG	1/2"	1/4"
RI-8RP-6RG	1/2"	3/8"
RI-8RP-12RG	1/2"	3/4"
RI-8RP-16RG	1/2"	1"
RI-12RP-4RG	3/4"	1/4"
RI-12RP-6RG	3/4"	3/8"
RI-12RP-8RG	3/4"	1/2"
RI-12RP-16RG	3/4"	1"
RI-16RP-4RG	1"	1/4"
RI-16RP-6RG	1"	3/8"
RI-16RP-8RG	1"	1/2"
RI-16RP-12RG	1"	3/4"

BSPP (Captive Seal)

Product Code	Male Thread	Female Thread
RI-2EO-4RG	1/8"	1/4"
RI-2EO-6RG	1/8"	3/8"
RI-4EO-2RG	1/4"	1/8"
RI-4EO-6RG	1/4"	3/8"
RI-4EO-8RG	1/4"	1/4"
RI-4EO-12RG	1/4"	3/4"
RI-6EO-2RG	3/8"	1/8"
RI-6EO-4RG	3/8"	1/4"
RI-6EO-8RG	3/8"	1/2"
RI-6EO-12RG	3/8"	3/4"
RI-8EO-2RG	1/2"	1/8"
RI-8EO-4RG	1/2"	1/4"
RI-8EO-6RG	1/2"	3/8"
RI-8EO-12RG	1/2"	3/4"
RI-8EO-16RG	1/2"	1"
RI-12EO-4RG	3/4"	1/4"
RI-12EO-6RG	3/4"	3/8"
RI-12EO-8RG	3/4"	1/2"
RI-12EO-16RG	3/4"	1"
RI-16EO-4RG	1"	1/4"
RI-16EO-6RG	1"	3/8"
RI-16EO-8RG	1"	1/2"
RI-16EO-12RG	1"	3/4"

Male Stud Elbows

NEW



L Series, BSPT

Product Code	OD mm	Thread
WE6L-2RT	6	1/8"
WE8L-4RT	8	1/4"
WE10L-4RT	10	1/4"
WE12L-6RT	12	3/8"
WE15L-8RT	15	1/2"
WE18L-8RT	18	1/2"

S Series, BSPT

Product Code	OD mm	Thread
WE6S-4RT	6	1/4"
WE8S-4RT	8	1/4"
WE10S-6RT	10	3/8"
WE12S-6RT	12	3/8"
WE14S-8RT	14	1/2"
WE16S-8RT	16	1/2"

L Series, NPT

Product Code	OD mm	Thread
WE6L-2N	6	1/8"
WE8L-4N	8	1/4"
WE10L-4N	10	1/4"
WE12L-6N	12	3/8"
WE15L-8N	15	1/2"
WE18L-8N	18	1/2"
WE22L-12N	22	3/4"
WE28L-16N	28	1"

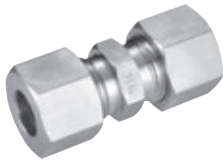
S Series, NPT

Product Code	OD mm	Thread
WE6S-4N	6	1/4"
WE8S-4N	8	1/4"
WE10S-6N	10	3/8"
WE12S-6N	12	3/8"
WE14S-8N	14	1/2"
WE16S-8N	16	1/2"
WE20S-12N	20	3/4"
WE25S-16N	25	1"

FOR PISTON PUMPS, SEE SECTION 6



Straights

NEW

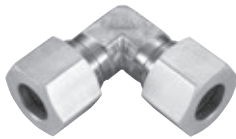
L Series

Product Code	OD mm
G6-UL	6
G8-UL	8
G10-UL	10
G12-UL	12
G15-UL	15
G18-UL	18
G22-UL	22
G28-UL	28

S Series

Product Code	OD mm
G6-US	6
G8-US	8
G10-US	10
G12-US	12
G14-US	14
G16-US	16
G20-US	20
G25-US	25

Elbows

NEW

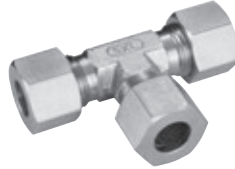
L Series

Product Code	OD mm
W6-UCL	6
W8-UCL	8
W10-UCL	10
W12-UCL	12
W15-UCL	15
W18-UCL	18
W22-UCL	22
W28-UCL	28

S Series

Product Code	OD mm
W6-UES	6
W8-UES	8
W10-UES	10
W12-UES	12
W14-UES	14
W16-UES	16
W20-UES	20
W25-UES	25

Equal Tees

NEW

L Series

Product Code	OD mm
T6-UTL	6
T8-UTL	8
T10-UTL	10
T12-UTL	12
T15-UTL	15
T18-UTL	18
T22-UTL	22
T28-UTL	28

S Series

Product Code	OD mm
T6-UTS	6
T8-UTS	8
T10-UTS	10
T12-UTS	12
T14-UTS	14
T16-UTS	16
T20-UTS	20
T25-UTS	25

Equal Crosses

NEW

L Series

Product Code	OD mm
K6-UCL	6
K8-UCL	8
K10-UCL	10
K12-UCL	12
K15-UCL	15
K18-UCL	18
K22-UCL	22
K28-UCL	28

S Series

Product Code	OD mm
K6-UCS	6
K8-UCS	8
K10-UCS	10
K12-UCS	12
K14-UCS	14
K16-UCS	16
K20-UCS	20
K25-UCS	25

Straight Reducers

NEW

L Series

Product Code	OD mm	OD mm
GR-8L-6L	8	6
GR-10L-6L	10	6
GR-10L-8L	10	8
GR-12L-6L	12	6
GR-12L-8L	12	8
GR-12L-10L	12	10
GR-15L-10L	15	10
GR-15L-12L	15	12
GR-18L-10L	18	10
GR-18L-12L	18	12
GR-18L-15L	18	15
GR-22L-12L	22	12
GR-22L-15L	22	15
GR-22L-18L	22	18
GR-28L-18L	28	18
GR-28L-22L	28	22

S Series

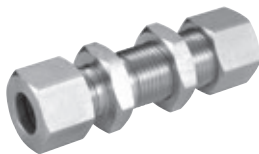
Product Code	OD mm	OD mm
GR-8S-6S	8	6
GR-10S-6S	10	6
GR-10S-8S	10	8
GR-12S-6S	12	6
GR-12S-8S	12	8
GR-12S-10S	12	10
GR-14S-10S	14	10
GR-14S-12S	14	12
GR-16S-12S	16	12
GR-16S-14S	16	14
GR-20S-10S	20	10
GR-20S-12S	20	12
GR-20S-16S	20	16
GR-25S-16S	25	16
GR-25S-20S	25	20

FOR BARREL PUMPS, SEE SECTION 7



Straight Bulkheads

NEW



L Series

Product Code	OD mm
SV-6L	6
SV-8L	8
SV-10L	10
SV-12L	12
SV-15L	15
SV-18L	18
SV-22L	22
SV-28L	28

S Series

Product Code	OD mm
SV-6S	6
SV-8S	8
SV-10S	10
SV-12S	12
SV-14S	14
SV-16S	16
SV-20S	20
SV-25S	25

Bulkhead Elbows

NEW



L Series

Product Code	OD mm
WSV-6L-FT	6
WSV-8L-FT	8
WSV-10L-FT	10
WSV-12L-FT	12
WSV-15L-FT	15
WSV-18L-FT	18
WSV-22L-FT	22
WSV-28L-FT	28

S Series

Product Code	OD mm
WSV-6S-FT	6
WSV-8S-FT	8
WSV-10S-FT	10
WSV-12S-FT	12
WSV-14S-FT	14
WSV-16S-FT	16
WSV-20S-FT	20
WSV-25S-FT	25

Blanking Plugs, Threaded

NEW



BSPP

Product Code	OD mm
VSTI-2EO	1/8"
VSTI-4EO	1/4"
VSTI-6EO	3/8"
VSTI-8EO	1/2"
VSTI-12EO	3/4"
VSTI-16EO	1"

Metric

Product Code	OD mm
VSTI-10M	M10 x 1
VSTI-12M	M12 x 1.5
VSTI-14M	M14 x 1.5
VSTI-16M	M16 x 1.5
VSTI-18M	M18 x 1.5
VSTI-20M	M20 x 1.5
VSTI-22M	M22 x 1.5
VSTI-26M	M26 x 1.5
VSTI-27M	M27 x 2
VSTI-33M	M33 x 2

Metric with O-Ring
(ISO 6149/DIN 3582-T3)

Product Code	OD mm
VSTI-10M-OR	M10 x 1
VSTI-12M-OR	M12 x 1.5
VSTI-14M-OR	M14 x 1.5
VSTI-16M-OR	M16 x 1.5
VSTI-18M-OR	M18 x 1.5
VSTI-20M-OR	M20 x 1.5
VSTI-22M-OR	M22 x 1.5
VSTI-26M-OR	M26 x 1.5
VSTI-27M-OR	M27 x 2
VSTI-33M-OR	M33 x 2

Nut

NEW



L Series

Product Code	OD mm
M-6L-FT	6
M-8L-FT	8
M-10L-FT	10
M-12L-FT	12
M-15L-FT	15
M-18L-FT	18
M-22L-FT	22
M-28L-FT	28

S Series

Product Code	OD mm
M-6S-FT	6
M-8S-FT	8
M-10S-FT	10
M-12S-FT	12
M-14S-FT	14
M-16S-FT	16
M-20S-FT	20
M-25S-FT	25

Compression Ring

NEW

• Hardened, Nickel Plated



L Series

Product Code	OD mm
DPR-6L	6
DPR-8L	8
DPR-10L	10
DPR-12L	12
DPR-15L	15
DPR-18L	18
DPR-22L	22
DPR-28L	28

S Series

Product Code	OD mm
DPR-6S	6
DPR-8S	8
DPR-10S	10
DPR-12S	12
DPR-14S	14
DPR-16S	16
DPR-20S	20
DPR-25S	25

FOR GREASE GUNS, SEE SECTION 1



316 STAINLESS STEEL TWIN FERRULE METRIC TUBE FITTINGS

Male Connectors

NEW



Male Thread, NPT

Product Code	OD mm	Thread
MC-3-125N	3	1/8"
MC-3-250N	3	1/4"
MC-4-125N	4	1/8"
MC-4-250N	4	1/4"
MC-6-125N	6	1/8"
MC-6-250N	6	1/4"
MC-6-375N	6	3/8"
MC-6-500N	6	1/2"
MC-8-125N	8	1/8"
MC-8-250N	8	1/4"
MC-8-375N	8	3/8"
MC-8-500N	8	1/2"
MC-10-125N	10	1/8"
MC-10-250N	10	1/4"
MC-10-375N	10	3/8"
MC-10-500N	10	1/2"
MC-10-750N	10	3/4"
MC-12-125N	12	1/8"
MC-12-250N	12	1/4"
MC-12-375N	12	3/8"
MC-12-500N	12	1/2"
MC-12-750N	12	3/4"
MC-14-250N	14	1/4"
MC-14-375N	14	3/8"
MC-14-500N	14	1/2"
MC-15-500N	15	1/2"
MC-16-375N	16	3/8"
MC-16-500N	16	1/2"
MC-16-750N	16	3/4"
MC-18-500N	18	1/2"
MC-18-750N	18	3/4"
MC-20-500N	20	1/2"
MC-20-750N	20	3/4"
MC-22-750N	22	3/4"
MC-22-1000N	22	1"
MC-25-500N	25	1/2"
MC-25-750N	25	3/4"
MC-25-1000N	25	1"

NEW



Male Thread, BSPT

Product Code	OD mm	Thread
MC-3-125RT	3	1/8"
MC-3-250RT	3	1/4"
MC-4-125RT	4	1/8"
MC-4-250RT	4	1/4"
MC-6-125RT	6	1/8"
MC-6-250RT	6	1/4"
MC-6-375RT	6	3/8"
MC-6-500RT	6	1/2"
MC-8-125RT	8	1/8"
MC-8-250RT	8	1/4"
MC-8-375RT	8	3/8"
MC-8-500RT	8	1/2"
MC-10-125RT	10	1/8"
MC-10-250RT	10	1/4"
MC-10-375RT	10	3/8"
MC-10-500RT	10	1/2"
MC-12-125RT	12	1/8"
MC-12-250RT	12	1/4"
MC-12-375RT	12	3/8"
MC-12-500RT	12	1/2"
MC-12-750RT	12	3/4"
MC-15-500RT	15	1/2"
MC-16-250RT	16	1/4"
MC-16-375RT	16	3/8"
MC-16-500RT	16	1/2"
MC-16-750RT	16	3/4"
MC-18-500RT	18	1/2"
MC-18-750RT	18	3/4"
MC-20-500RT	20	1/2"
MC-20-750RT	20	3/4"
MC-22-750RT	22	3/4"
MC-22-1000RT	22	1"
MC-25-750RT	25	3/4"
MC-25-1000RT	25	1"

NEW



Male Thread, BSPP (Captive Seal)

Product Code	OD mm	Thread
OMC-6-125EO	6	1/8"
OMC-6-250EO	6	1/4"
OMC-6-375EO	6	3/8"
OMC-6-500EO	6	1/2"
OMC-10-250EO	10	1/4"
OMC-10-375EO	10	3/8"
OMC-10-500EO	10	1/2"
OMC-12-250EO	12	1/4"
OMC-12-375EO	12	3/8"
OMC-12-500EO	12	1/2"

NEW



Male Thread-RP, BSPP

Product Code	OD mm	Thread
MC-3-125RP	3	1/8"
MC-3-250RP	3	1/4"
MC-4-125RP	4	1/8"
MC-6-125RP	6	1/8"
MC-6-250RP	6	1/4"
MC-6-375RP	6	3/8"
MC-6-500RP	6	1/2"
MC-8-125RP	8	1/8"
MC-8-250RP	8	1/4"
MC-8-375RP	8	3/8"
MC-8-500RP	8	1/2"
MC-10-250RP	10	1/4"
MC-10-375RP	10	3/8"
MC-10-500RP	10	1/2"
MC-12-250RP	12	1/4"
MC-12-375RP	12	3/8"
MC-12-500RP	12	1/2"
MC-12-750RP	12	3/4"
MC-15-500RP	15	1/2"
MC-16-375RP	16	3/8"
MC-16-500RP	16	1/2"
MC-18-500RP	18	1/2"
MC-18-750RP	18	3/4"
MC-20-500RP	20	1/2"
MC-20-750RP	20	3/4"
MC-22-750RP	22	3/4"
MC-22-1000RP	22	1"
MC-25-750RP	25	3/4"
MC-25-1000RP	25	1"

FOR PRESSURE SWITCHES, SEE SECTION 5



Unions

NEW



Tube x Tube

Product Code	OD mm
U-3	3
U-4	4
U-6	6
U-8	8
U-10	10
U-12	12
U-14	14
U-15	15
U-16	16
U-18	18
U-20-FT	20
U-22	22
U-25	25

Reducing Unions

NEW



Tube x Tube

Product Code	OD mm	OD mm
RU-6-3	6	3
RU-6-4	6	4
RU-8-6	8	6
RU-10-6	10	6
RU-10-8	10	8
RU-12-6	12	6
RU-12-8	12	8
RU-12-10	12	10
RU-16-10	16	10
RU-16-12	16	12
RU-18-12	18	12
RU-25-18	25	18
RU-25-20	25	20

Bulkhead Unions

NEW



Tube x Tube

Product Code	OD mm
BU-3-FT	3
BU-4	4
BU-6	6
BU-8	8
BU-10	10
BU-12-FT	12
BU-14	14
BU-15	15
BU-16	16
BU-18	18
BU-20	20
BU-25	25

Union Elbows

NEW



Tube x Tube

Product Code	OD mm
UE-3	3
UE-4	4
UE-6	6
UE-8	8
UE-10	10
UE-12	12
UE-14	14
UE-15	15
UE-16	16
UE-18	18
UE-20	20
UE-22	22
UE-25	25

Male Elbows

NEW



Male Thread, NPT

Product Code	OD mm	Thread
ME-3-125N	3	1/8"
ME-3-250N	3	1/4"
ME-4-125N	4	1/8"
ME-4-250N	4	1/4"
ME-6-125N	6	1/8"
ME-6-250N	6	1/4"
ME-6-375N	6	3/8"
ME-6-500N	6	1/2"
ME-8-125N	8	1/8"
ME-8-250N	8	1/4"
ME-8-375N	8	3/8"
ME-8-500N	8	1/2"
ME-10-250N	10	1/4"
ME-10-375N	10	3/8"
ME-10-500N	10	1/2"
ME-12-250N	12	1/4"
ME-12-375N	12	3/8"
ME-12-500N	12	1/2"
ME-12-750N	12	3/4"
ME-15-500N	15	1/2"
ME-16-375N	16	3/8"
ME-16-500N	16	1/2"
ME-16-750N	16	3/4"
ME-18-500N	18	1/2"
ME-18-750N	18	3/4"
ME-20-500N	20	1/2"
ME-20-750N	20	3/4"
ME-22-750N	22	3/4"
ME-22-1000N	22	1"
ME-25-750N	25	3/4"
ME-25-1000N	25	1"

Male Thread, BSPT

Product Code	OD mm	Thread
ME-3-125RT	3	1/8"
ME-3-250RT	3	1/4"
ME-4-125RT	4	1/8"
ME-4-250RT	4	1/4"
ME-6-125RT	6	1/8"
ME-6-250RT	6	1/4"
ME-6-375RT	6	3/8"
ME-6-500RT	6	1/2"
ME-8-125RT	8	1/8"
ME-8-250RT	8	1/4"
ME-8-375RT	8	3/8"
ME-8-500RT	8	1/2"
ME-10-250RT	10	1/4"
ME-10-375RT	10	3/8"
ME-10-500RT	10	1/2"
ME-12-250RT	12	1/4"
ME-12-375RT	12	3/8"
ME-12-500RT	12	1/2"
ME-12-750RT	12	3/4"
ME-16-375RT	16	3/8"
ME-16-500RT	16	1/2"
ME-18-500RT	18	1/2"
ME-18-750RT	18	3/4"
ME-20-500RT	20	1/2"
ME-20-750RT	20	3/4"
ME-22-750RT	22	3/4"
ME-22-1000RT	22	1"
ME-25-750RT	25	3/4"
ME-25-1000RT	25	1"

Union Tees

NEW



Tube x Tube

Product Code	OD mm
UT-3	3
UT-4	4
UT-6	6
UT-8	8
UT-10	10
UT-12	12
UT-14	14
UT-15	15
UT-16	16
UT-18	18
UT-20	20
UT-22	22
UT-25	25

Union Crosses

NEW



Tube x Tube

Product Code	OD mm
UC-3	3
UC-6	6
UC-8	8
UC-10	10
UC-12	12
UC-16	16
UC-18	18
UC-20	20
UC-25	25

Nuts

NEW



Tube

Product Code	OD mm
N-3	3
N-4	4
N-6	6
N-8	8
N-10	10
N-12	12
N-14	14
N-15	15
N-16	16
N-18	18
N-20	20
N-22	22
N-25	25

Back Ferrules

NEW



Tube

Product Code	OD mm
BF-3	3
BF-4	4
BF-6	6
BF-8	8
BF-10	10
BF-12	12
BF-14	14
BF-15	15
BF-16	16
BF-18	18
BF-20	20
BF-22	22
BF-25	25

Front Ferrules

NEW



Tube

Product Code	OD mm
FF-3	3
FF-4	4
FF-6	6
FF-8	8
FF-10	10
FF-12	12
FF-14	14
FF-15	15
FF-16	16
FF-18	18
FF-20	20
FF-22	22
FF-25	25

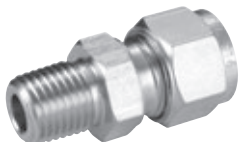
FOR JUBILEE CLIPS, SEE SECTION 11



316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

Male Connectors

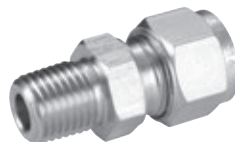
NEW



Male Thread, NPT

Product Code	OD	Thread
MC-125-125N	1/8"	1/8"
MC-125-250N	1/8"	1/4"
MC-125-375N	1/8"	3/8"
MC-125-500N	1/8"	1/2"
MC-187-125N	3/16"	1/8"
MC-187-250N	3/16"	1/4"
MC-250-125N	1/4"	1/8"
MC-250-250N	1/4"	1/4"
MC-250-375N	1/4"	3/8"
MC-250-500N	1/4"	1/2"
MC-250-750N	1/4"	3/4"
MC-312-125N	5/16"	1/8"
MC-312-250N	5/16"	1/4"
MC-312-375N	5/16"	3/8"
MC-312-500N	5/16"	1/2"
MC-375-125N	5/16"	1/8"
MC-375-250N	3/8"	1/4"
MC-375-375N	3/8"	3/8"
MC-375-500N	3/8"	1/2"
MC-375-750N	3/8"	3/4"
MC-500-125N	1/2"	1/8"
MC-500-250N	1/2"	1/4"
MC-500-375N	1/2"	3/8"
MC-500-500N	1/2"	1/2"
MC-500-750N	1/2"	3/4"
MC-500-1000N	1/2"	1"
MC-625-375N	5/8"	3/8"
MC-625-500N	5/8"	1/2"
MC-625-750N	5/8"	3/4"
MC-750-500N	3/4"	1/2"
MC-750-750N	3/4"	3/4"
MC-750-1000N	3/4"	1"
MC-875-750N	7/8"	3/4"
MC-875-1000N	7/8"	1"
MC-1000-500N	1"	1/2"
MC-1000-750N	1"	3/4"
MC-1000-1000N	1"	1"

NEW



Male Thread, BSPT

Product Code	OD	Thread
MC-125-125RT	1/8"	1/8"
MC-125-250RT	1/8"	1/4"
MC-250-125RT	1/4"	1/8"
MC-250-250RT	1/4"	1/4"
MC-250-375RT	1/4"	3/8"
MC-250-500RT	1/4"	1/2"
MC-312-125RT	5/16"	1/8"
MC-312-250RT	5/16"	1/4"
MC-375-125RT	3/8"	1/8"
MC-375-250RT	3/8"	1/4"
MC-375-375RT	3/8"	3/8"
MC-375-500RT	3/8"	1/2"
MC-500-250RT	1/2"	1/4"
MC-500-375RT	1/2"	3/8"
MC-500-500RT	1/2"	1/2"
MC-500-750RT	1/2"	3/4"
MC-750-750RT	3/4"	3/4"
MC-1000-1000RT	1"	1"

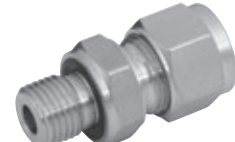
NEW



Male Thread, SAE/MS

Product Code	OD	Thread
MC-125-312SE	1/8"	5/16"-24
MC-125-437SE	1/8"	7/16"-20
MC-125-562SE	1/8"	9/16"-18
MC-250-437SE	1/4"	7/16"-20
MC-250-562SE	1/4"	9/16"-18
MC-250-750SE	1/4"	3/4"-16
MC-250-875SE	1/4"	7/8"-14
MC-312-500SE	5/16"	1/2"-20
MC-375-437SE	3/8"	7/16"-20
MC-375-562SE	3/8"	9/16"-18
MC-375-750SE	3/8"	3/4"-16
MC-375-875SE	3/8"	7/8"-14
MC-500-562SE	1/2"	9/16"-18
MC-500-750SE	1/2"	3/4"-16
MC-500-875SE	1/2"	7/8"-14
MC-500-1062SE	1/2"	1.1/16"-12
MC-625-750SE	5/8"	3/4"-16
MC-625-875SE	5/8"	7/8"-14
MC-750-750SE	3/4"	3/4"-16
MC-750-1062SE	3/4"	1.1/16"-12
MC-875-1187SE	7/8"	1.3/16"-12
MC-1000-1062SE	1"	1.1/16"-12
MC-1000-1312SE	1"	1.5/16"-12

NEW



Male Thread, SAE/MS (Captive Seal)

Product Code	OD	Thread
OMC-125-312SE	1/8"	5/16"-24
OMC-187-375SE	3/16"	3/8"-24
OMC-250-437SE	1/4"	7/16"-20
OMC-312-500SE	5/16"	1/2"-20
OMC-375-562SE	3/8"	9/16"-18
OMC-500-750SE	1/2"	3/4"-16
OMC-750-1062SE	3/4"	1.1/16"-12
OMC-1000-1312SE	1"	1.5/16"-12

Male Thread, BSPP (Captive Seal)

Product Code	OD	Thread
OMC-250-250EO	1/4"	1/4"
OMC-250-500EO	1/4"	1/2"
OMC-375-375EO	3/8"	3/8"
OMC-500-250EO	1/2"	1/4"
OMC-500-375EO	1/2"	3/8"
OMC-500-500EO	1/2"	1/2"
OMC-750-750EO	3/4"	3/4"

NEW



• Metal Sealing

Male Thread-RP, BSPP

Product Code	OD	Thread
MC-125-125RP	1/8"	1/8"
MC-125-250RP	1/8"	1/4"
MC-250-125RP	1/4"	1/8"
MC-250-250RP	1/4"	1/4"
MC-500-500RP	1/2"	1/2"

• Stainless Steel Washer with a Viton Inner Ring

Male Thread-RS, BSPP

Product Code	OD	Thread
MC-125-125RS	1/8"	1/8"
MC-125-250RS	1/8"	1/4"
MC-125-375RS	1/8"	3/8"
MC-250-125RS	1/4"	1/8"
MC-250-250RS	1/4"	1/4"
MC-250-375RS	1/4"	3/8"
MC-250-500RS	1/4"	1/2"
MC-375-250RS	3/8"	1/4"
MC-375-375RS	3/8"	3/8"
MC-375-500RS	3/8"	1/2"
MC-500-250RS	1/2"	1/4"
MC-500-375RS	1/2"	3/8"
MC-500-500RS	1/2"	1/2"
MC-750-500RS	3/4"	1/2"
MC-750-750RS	3/4"	3/4"
MC-1000-500RS	1"	1/2"
MC-1000-1000RS	1"	1"

Female Connectors

NEW



Female Thread, NPT

Product Code	OD	Thread
FC-125-125N	1/8"	1/8"
FC-125-250N	1/8"	1/4"
FC-187-125N	3/16"	1/8"
FC-250-125N	1/4"	1/8"
FC-250-250N	1/4"	1/4"
FC-250-375N	1/4"	3/8"
FC-250-500N	1/4"	1/2"
FC-312-125N	5/16"	1/8"
FC-312-250N	5/16"	1/4"
FC-312-375N	5/16"	3/8"
FC-375-125N	3/8"	1/8"
FC-375-250N	3/8"	1/4"
FC-375-375N	3/8"	3/8"
FC-375-500N	3/8"	1/2"
FC-375-750N	3/8"	3/4"
FC-500-250N	1/2"	1/4"
FC-500-375N	1/2"	3/8"
FC-500-500N	1/2"	1/2"
FC-500-750N	1/2"	3/4"
FC-625-375N	5/8"	3/8"
FC-625-500N	5/8"	1/2"
FC-625-750N	5/8"	3/4"
FC-750-500N	3/4"	1/2"
FC-750-750N	3/4"	3/4"
FC-875-750N	7/8"	3/4"
FC-1000-750N	1"	3/4"
FC-1000-1000N	1"	1"

Female Thread, BSPT

Product Code	OD	Thread
FC-250-125RT	1/4"	1/8"
FC-250-250RT	1/4"	1/4"
FC-250-375RT	1/4"	3/8"
FC-250-500RT	1/4"	1/2"
FC-375-250RT	3/8"	1/4"
FC-375-375RT	3/8"	3/8"
FC-375-500RT	3/8"	1/2"
FC-500-250RT	1/2"	1/4"
FC-500-375RT	1/2"	3/8"
FC-500-500RT	1/2"	1/2"

Female Thread, BSPP

Product Code	OD	Thread
FC-250-250RG	1/4"	1/4"
FC-250-375RG	1/4"	3/8"
FC-250-500RG	1/4"	1/2"
FC-312-250RG	5/16"	1/4"
FC-312-500RG	5/16"	1/2"
FC-375-250RG	3/8"	1/4"
FC-375-375RG	3/8"	3/8"
FC-375-500RG	3/8"	1/2"
FC-500-375RG	1/2"	3/8"
FC-500-500RG	1/2"	1/2"

Bulkhead Male Connectors

NEW

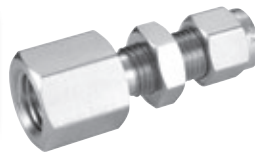


Male Thread, NPT

Product Code	OD	Thread
BMC-125-125N	1/8"	1/8"
BMC-187-125N	3/16"	1/8"
BMC-250-125N	1/4"	1/8"
BMC-250-250N	1/4"	1/4"
BMC-250-375N	1/4"	3/8"
BMC-250-500N	1/4"	1/2"
BMC-312-125N	5/16"	1/8"
BMC-312-250N	5/16"	1/4"
BMC-375-125N	3/8"	1/8"
BMC-375-250N	3/8"	1/4"
BMC-375-375N	3/8"	3/8"
BMC-500-250N	1/2"	1/4"
BMC-500-375N	1/2"	3/8"
BMC-500-500N	1/2"	1/2"
BMC-500-750N	1/2"	3/4"
BMC-625-375N	5/8"	3/8"
BMC-625-500N	5/8"	1/2"
BMC-750-500N	3/4"	1/2"
BMC-750-750N	3/4"	3/4"
BMC-875-750N	7/8"	3/4"
BMC-1000-750N	1"	3/4"
BMC-1000-1000N	1"	1"

Bulkhead Female Connectors

NEW



Female Thread, NPT

Product Code	OD	Thread
BFC-125-125N	1/8"	1/8"
BFC-187-125N	3/16"	1/8"
BFC-250-125N	1/4"	1/8"
BFC-250-250N	1/4"	1/4"
BFC-312-125N	5/16"	1/8"
BFC-375-250N	3/8"	1/4"
BFC-500-375N	1/2"	3/8"
BFC-500-500N	1/2"	1/2"
BFC-625-500N	5/8"	1/2"
BFC-750-500N	3/4"	3/4"
BFC-875-750N	7/8"	3/4"
BFC-1000-1000N	1"	1"

Unions

NEW



Tube x Tube

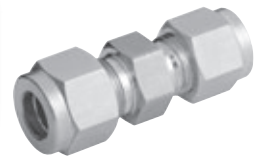
Product Code	OD
U-125	1/8"
U-187	3/16"
U-250	1/4"
U-312	5/16"
U-375	3/8"
U-500	1/2"
U-625	5/8"
U-750	3/4"
U-875	7/8"
U-1000	1"

Metric Tube x Imperial Tube

Product Code	OD mm	OD
U-3-125	3	1/8"
U-4-125	4	1/8"
U-4-250	4	1/4"
U-6-125	6	1/8"
U-6-250	6	1/4"
U-6-312	6	5/16"
U-8-250	8	1/4"
U-8-375	8	3/8"
U-10-125	10	1/8"
U-10-250	10	1/4"
U-10-312	10	5/16"
U-10-375	10	3/8"
U-12-312	12	5/16"
U-12-375	12	3/8"
U-12-500	12	1/2"
U-15-500	15	1/2"
U-16-625	16	5/8"
U-18-750	18	3/4"
U-20-500	20	1/2"
U-20-1000	20	1"
U-25-1000	25	1"

Reducing Unions

NEW



Tube x Tube

Product Code	OD	OD
RU-187-125	3/16"	1/8"
RU-250-125	1/4"	1/8"
RU-250-187	1/4"	3/16"
RU-312-125	5/16"	1/8"
RU-312-250	5/16"	1/4"
RU-375-125	3/8"	1/8"
RU-375-250	3/8"	1/4"
RU-375-312	3/8"	5/16"
RU-500-125	1/2"	1/8"
RU-500-250	1/2"	1/4"
RU-500-375	1/2"	3/8"
RU-625-375	5/8"	3/8"
RU-625-500	5/8"	1/2"
RU-750-250	3/4"	1/4"
RU-750-375	3/4"	3/8"
RU-750-500	3/4"	1/2"
RU-750-625	3/4"	5/8"
RU-1000-500	1"	1/2"
RU-1000-750	1"	3/4"

Bulkhead Unions

NEW



Tube x Tube

Product Code	OD
BU-125	1/8"
BU-187	3/16"
BU-250	1/4"
BU-312	5/16"
BU-375	3/8"
BU-500	1/2"
BU-625	5/8"
BU-750	3/4"
BU-1000	1"

Male Elbows

NEW



Male Thread, NPT

Product Code	OD	Thread
ME-125-125N	1/8"	1/8"
ME-125-250N	1/8"	1/4"
ME-187-125N	3/16"	1/8"
ME-187-250N	3/16"	1/4"
ME-250-125N	1/4"	1/8"
ME-250-250N	1/4"	1/4"
ME-250-375N	1/4"	3/8"
ME-250-500N	1/4"	1/2"
ME-312-125N	5/16"	1/8"
ME-312-250N	5/16"	1/4"
ME-312-375N	5/16"	3/8"
ME-375-125N	3/8"	1/8"
ME-375-250N	3/8"	1/4"
ME-375-375N	3/8"	3/8"
ME-375-500N	3/8"	1/2"
ME-375-750N	3/8"	3/4"
ME-500-250N	1/2"	1/4"
ME-500-375N	1/2"	3/8"
ME-500-500N	1/2"	1/2"
ME-500-750N	1/2"	3/4"
ME-625-375N	5/8"	3/8"
ME-625-500N	5/8"	1/2"
ME-625-750N	5/8"	3/4"
ME-750-500N	3/4"	1/2"
ME-750-750N	3/4"	3/4"
ME-875-750N	7/8"	3/4"
ME-1000-750N	1"	3/4"
ME-1000-1000N	1"	1"

Male Thread, BSPT

Product Code	OD	Thread
ME-250-125RT	1/4"	1/8"
ME-250-250RT	1/4"	1/4"
ME-250-375RT	1/4"	3/8"
ME-250-500RT	1/4"	1/2"
ME-312-250RT	5/16"	1/4"
ME-375-250RT	3/8"	1/4"
ME-375-375RT	3/8"	3/8"

Female Elbows

NEW



Female Thread, NPT

Product Code	OD	Thread
FE-125-125N	1/8"	1/8"
FE-125-250N	1/8"	1/4"
FE-187-125N	3/16"	1/8"
FE-250-125N	1/4"	1/8"
FE-250-250N	1/4"	1/4"
FE-250-375N	1/4"	3/8"
FE-250-500N	1/4"	1/2"
FE-312-125N	5/16"	1/8"
FE-312-250N	5/16"	1/4"
FE-375-125N	3/8"	1/8"
FE-375-250N	3/8"	1/4"
FE-375-375N	3/8"	3/8"
FE-375-500N	3/8"	1/2"
FE-500-250N	1/2"	1/4"
FE-500-375N	1/2"	3/8"
FE-500-500N	1/2"	1/2"
FE-625-375N	5/8"	3/8"
FE-625-500N	5/8"	1/2"
FE-750-500N	3/4"	1/2"
FE-750-750N	3/4"	3/4"
FE-875-750N	7/8"	3/4"
FE-1000-750N	1"	3/4"
FE-1000-1000N	1"	1"

Union Tees

NEW



Tube x Tube

Product Code	OD
UT-125	1/8"
UT-187	3/16"
UT-250	1/4"
UT-312	5/16"
UT-375	3/8"
UT-500	1/2"
UT-625	5/8"
UT-750	3/4"
UT-875	7/8"
UT-1000	1"

Union Crosses

NEW



Tube x Tube

Product Code	OD
UC-125	1/8"
UC-250	1/4"
UC-312	5/16"
UC-375	3/8"
UC-500	1/2"
UC-750	3/4"
UC-1000	1"

Nuts

NEW



Tube

Product Code	OD
N-125-FT	1/8"
N-187	3/16"
N-250	1/4"
N-312	5/16"
N-375	3/8"
N-500	1/2"
N-625	5/8"
N-750	3/4"
N-875	7/8"
N-1000	1"

Back Ferrules

NEW



Tube

Product Code	OD
BF-125	1/8"
BF-187	3/16"
BF-250	1/4"
BF-312	5/16"
BF-375	3/8"
BF-500	1/2"
BF-625	5/8"
BF-750	3/4"
BF-875	7/8"
BF-1000	1"

Front Ferrules

NEW



Tube

Product Code	OD
FF-125	1/8"
FF-187	3/16"
FF-250	1/4"
FF-312	5/16"
FF-375	3/8"
FF-500	1/2"
FF-625	5/8"
FF-750	3/4"
FF-875	7/8"
FF-1000	1"

ONE TOUCH ALL STAINLESS STEEL PUSH-IN FITTINGS



Working Temperature:
-20°C to +200°C



Maximum Working Pressure: 10 bar
Negative Pressure: 750mm Hg (10 Torr)

Material:
Body and Collet: 316 stainless steel
O-Ring: FKM
Tube to Connect: PU, nylon and PTFE

Media: compressed air, steam, water and other compatible liquids

Male Studs

NEW



BSPT

Product Code	OD mm	Thread
SSPC4-01	4	1/8"
SSPC6-01	6	1/8"
SSPC6-02	6	1/4"
SSPC8-01	8	1/8"
SSPC8-02	8	1/4"
SSPC10-02	10	1/4"
SSPC10-03	10	3/8"
SSPC12-04	12	1/2"

NEW



BSPP

Product Code	OD mm	Thread
SSPC4-G01	4	1/8"
SSPC6-G01	6	1/8"
SSPC6-G02	6	1/4"
SSPC8-G01	8	1/8"
SSPC8-G02	8	1/4"
SSPC10-G02	10	1/4"
SSPC10-G03	10	3/8"
SSPC12-G04	12	1/2"

Female Studs

NEW



BSPP

Product Code	OD mm	Thread
SSPCF4-G01	4	1/8"
SSPCF6-G01	6	1/8"
SSPCF6-G02	6	1/4"
SSPCF8-G01	8	1/8"
SSPCF8-G02	8	1/4"
SSPCF10-G02	10	1/4"
SSPCF10-G03	10	3/8"
SSPCF12-G03	12	3/8"
SSPCF12-G04	12	1/2"

Male Stud Swivel Elbows

NEW



BSPT

Product Code	OD mm	Thread
SSPL4-01	4	1/8"
SSPL6-01	6	1/8"
SSPL6-02	6	1/4"
SSPL8-01	8	1/8"
SSPL8-02	8	1/4"
SSPL10-02	10	1/4"
SSPL10-03	10	3/8"
SSPL12-04	12	1/2"

NEW



BSPP

Product Code	OD mm	Thread
SSPL4-G01	4	1/8"
SSPL6-G01	6	1/8"
SSPL6-G02	6	1/4"
SSPL8-G01	8	1/8"
SSPL8-G02	8	1/4"
SSPL10-G02	10	1/4"
SSPL10-G03	10	3/8"
SSPL12-G04	12	1/2"

Female Stud Elbows

NEW

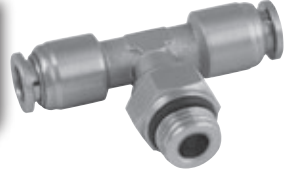


BSPP

Product Code	OD mm	Thread
SSPLF4-G01	4	1/8"
SSPLF6-G01	6	1/8"
SSPLF6-G02	6	1/4"
SSPLF8-G01	8	1/8"
SSPLF8-G02	8	1/4"
SSPLF10-G02	10	1/4"
SSPLF10-G03	10	3/8"
SSPLF12-G03	12	3/8"
SSPLF12-G04	12	1/2"

Male Stud Centre Leg Tees

NEW



BSPP

Product Code	OD mm	Thread
SSPB4-G01	4	1/8"
SSPB6-G01	6	1/8"
SSPB6-G02	6	1/4"
SSPB8-G01	8	1/8"
SSPB8-G02	8	1/4"
SSPB10-G02	10	1/4"
SSPB10-G03	10	3/8"
SSPB12-G03	12	3/8"
SSPB12-G04	12	1/2"

Speed Control Valves

NEW



BSPP

Product Code	OD mm	Thread
SSNSE4-G01	4	1/8"
SSNSE6-G01	6	1/8"
SSNSE6-G02	6	1/4"
SSNSE8-G01	8	1/8"
SSNSE8-G02	8	1/4"
SSNSE8-G03	8	3/8"
SSNSE10-G02	10	1/4"
SSNSE10-G03	10	3/8"
SSNSE10-G04	10	1/2"
SSNSE12-G04	12	1/2"



All seals have
FDA Certification

Tube x Tube Connectors

NEW



Equal Straights

Product Code	OD mm
SSPUC-4	4
SSPUC-6	6
SSPUC-8	8
SSPUC-10	10
SSPUC-12	12

NEW



Unequal Straights

Product Code	OD mm	OD mm
SSPG6-4	6	4
SSPG8-4	8	4
SSPG8-6	8	6
SSPG10-6	10	6
SSPG10-8	10	8
SSPG12-8	12	8
SSPG12-10	12	10

NEW



Equal Elbows

Product Code	OD mm
SSPUL-4	4
SSPUL-6	6
SSPUL-8	8
SSPUL-10	10
SSPUL-12	12

NEW



Equal Tees

Product Code	OD mm
SSPUT-4	4
SSPUT-6	6
SSPUT-8	8
SSPUT-10	10
SSPUT-12	12

NEW



Equal Bulkheads

Product Code	OD mm
SSPM-4	4
SSPM-6	6
SSPM-8	8
SSPM-10	10
SSPM-12	12

NEW



Equal Ys

Product Code	OD mm
SSPY-4	4
SSPY-6	6
SSPY-8	8
SSPY-10	10
SSPY-12	12

Stem Connectors

NEW



Tube x Stem Reducers

Product Code	OD mm	OD mm
SSPGJ6-4	6	4
SSPGJ8-4	8	4
SSPGJ8-6	8	6
SSPGJ10-6	10	6
SSPGJ10-8	10	8
SSPGJ12-8	12	8
SSPGJ12-10	12	10

Plug

NEW



Tube

Product Code	OD mm
SSPP-4	4
SSPP-6	6
SSPP-8	8
SSPP-10	10
SSPP-12	12



All seals have
FDA Certification

FOR FLOAT SWITCHES, SEE SECTION 5



316 STAINLESS STEEL PIPE FITTINGS



Temperature Range:
-20°C to +400°C

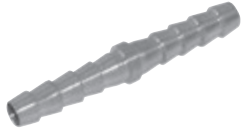


Working Pressure:
150 psi
(4:1 safety factor)

This technical data is applicable to the full range of 316 stainless steel adaptors only.

- Threads: Tapered in conformity with ISO 7.1, BS 21, DIN 2999
Parallel in conformity with BS 2779, ISO 228
- Dimensions: All components are manufactured to the requirements of ASTM A-351
The dimensions are in accordance with ANSI B16.3

Hose Joiners, Equal



Product Code	ID
DS06-SS	1/4" (6mm)
DS08-SS	5/16" (8mm)
DS10-SS	3/8" (10mm)
DS13-SS	1/2" (13mm)

Swivel Nut x Hose Tail



60° Coned Seat,
BSPP

Product Code	Thread	ID
FH13/14SS	1/4"	1/4"
FH17/38SS	3/8"	3/8"
FH21/12SS	1/2"	1/2"
FH26/34SS	3/4"	3/4"

Barrel Nipple



Male Thread,
BSPT x Male
Thread, BSPT

Product Code	Thread	Length mm
BN-18	1/8"	30
BN-14	1/4"	40
BN-14X80	1/4"	80
BN-38	3/8"	40
BN-38X80	3/8"	80
BN-12	1/2"	60
BN-12X80	1/2"	80
BN-34	3/4"	60
BN-34X80	3/4"	80
BN-1	1"	60
BN-1X100	1"	100
BN-1X150	1"	150
BN-114	1.1/4"	80
BN-112	1.1/2"	80
BN-2	2"	100
BN-212	2.1/2"	100
BN-3	3"	120
BN-4	4"	120

Female Reducing Socket



Female Thread,
BSPP x Female
Thread, BSPP

Product Code	Thread A	Thread B
FRS-14-18	1/4"	1/8"
FRS-38-14	3/8"	1/4"
FRS-38-18	3/8"	1/8"
FRS-12-38	1/2"	3/8"
FRS-12-14	1/2"	1/4"
FRS-12-18	1/2"	1/8"
FRS-34-14	3/4"	1/4"
FRS-34-12	3/4"	1/2"
FRS-34-38	3/4"	3/8"
FRS-1-34	1"	3/4"
FRS-1-14	1"	1/4"
FRS-1-38	1"	3/8"
FRS-1-12	1"	1/2"
FRS-114-1	1.1/4"	1"
FRS-114-12	1.1/4"	1/2"
FRS-114-34	1.1/4"	3/4"
FRS-112-1	1.1/2"	1"
FRS-112-34	1.1/2"	3/4"
FRS-112-114	1.1/2"	1.1/4"
FRS-2-1	2"	1"
FRS-2-112	2"	1.1/2"
FRS-2-114	2"	1.1/4"
FRS-212-1	2.1/2"	1"
FRS-212-114	2.1/2"	1.1/4"
FRS-212-2	2.1/2"	2"
FRS-3-114	3"	1.1/4"
FRS-3-2	3"	2"
FRS-3-212	3"	2.1/2"
FRS-4-2	4"	2"
FRS-4-112	4"	1.1/2"
FRS-4-212	4"	2.1/2"
FRS-4-3	4"	3"

45° Elbow



Female Thread,
BSPP x Female
Thread, BSPP

Product Code	Thread
OE-18	1/8"
OE-14	1/4"
OE-38	3/8"
OE-12	1/2"
OE-34	3/4"
OE-1	1"
OE-114	1.1/4"
OE-112	1.1/2"
OE-2	2"
OE-212	2.1/2"
OE-3	3"
OE-4	4"

90° Equal Elbow



Female Thread,
BSPP x Female
Thread, BSPP

Product Code	Thread
EE-18	1/8"
EE-14	1/4"
EE-38	3/8"
EE-12	1/2"
EE-34	3/4"
EE-1	1"
EE-114	1.1/4"
EE-112	1.1/2"
EE-2	2"
EE-212	2.1/2"
EE-3	3"
EE-4	4"

90° Street Elbow



Male Thread,
BSPT x Female
Thread, BSPP

Product Code	Thread A	Thread B
SE-18	1/8"	1/8"
SE-14	1/4"	1/4"
SE-38	3/8"	3/8"
SE-12	1/2"	1/2"
SE-34	3/4"	3/4"
SE-1	1"	1"
SE-114	1.1/4"	1.1/4"
SE-112	1.1/2"	1.1/2"
SE-2	2"	2"
SE-212	2.1/2"	2.1/2"
SE-3	3"	3"

Equal Tee



Female Thread,
BSPP

Product Code	Thread
ET-18	1/8"
ET-14	1/4"
ET-38	3/8"
ET-12	1/2"
ET-34	3/4"
ET-1	1"
ET-114	1.1/4"
ET-112	1.1/2"
ET-2	2"
ET-212	2.1/2"
ET-3	3"

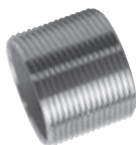
Equal Cross



Female Thread,
BSPP

Product Code	Thread
EC-18	1/8"
EC-14	1/4"
EC-38	3/8"
EC-12	1/2"
EC-34	3/4"
EC-1	1"
EC-114	1.1/4"
EC-112	1.1/2"
EC-2	2"

Close Nipple



Male Thread,
BSPP

Product Code	Thread
CPN-14	1/4"
CPN-38	3/8"
CPN-12	1/2"
CPN-34	3/4"
CPN-1	1"
CPN-114	1.1/4"
CPN-112	1.1/2"
CPN-2	2"
CPN-212	2.1/2"

Hexagon Blanking Cap



Female Thread,
BSPP

Product Code	Thread
HBC-18	1/8"
HBC-14	1/4"
HBC-38	3/8"
HBC-12	1/2"
HBC-34	3/4"
HBC-1	1"
HBC-114	1.1/4"
HBC-112	1.1/2"
HBC-2	2"
HBC-3	3"
HBC-4	4"

Hexagon Equal Nipple



Male Thread,
BSPT x Male
Thread, BSPT

Product Code	Thread
HN-18	1/8"
HN-14	1/4"
HN-38	3/8"
HN-12	1/2"
HN-34	3/4"
HN-1	1"
HN-114	1.1/4"
HN-112	1.1/2"
HN-2	2"
HN-212	2.1/2"
HN-3	3"
HN-4	4"

Hexagon Blanking Plug



Male Thread,
BSPT

Product Code	Thread
HP-18	1/8"
HP-14	1/4"
HP-38	3/8"
HP-12	1/2"
HP-34	3/4"
HP-1	1"
HP-114	1.1/4"
HP-112	1.1/2"
HP-2	2"
HP-212	2.1/2"
HP-3	3"

Hexagon Female Union



Female Thread,
BSPP x Female
Thread, BSPP
(2 Piece)

Product Code	Thread
HU-18	1/8"
HU-14	1/4"
HU-38	3/8"
HU-12	1/2"
HU-34	3/4"
HU-1	1"
HU-114	1.1/4"
HU-112	1.1/2"
HU-2	2"
HU-212	2.1/2"
HU-3	3"

Hexagon Male/Female Union



Male Thread,
BSPT x Female
Thread, BSPP
(2 Piece)

Product Code	Thread A	Thread B
MFU-18	1/8"	1/8"
MFU-14	1/4"	1/4"
MFU-38	3/8"	3/8"
MFU-12	1/2"	1/2"
MFU-34	3/4"	3/4"
MFU-1	1"	1"
MFU-114	1.1/4"	1.1/4"
MFU-112	1.1/2"	1.1/2"
MFU-2	2"	2"
MFU-4	4"	4"

Hexagon Lock Nut



Female Thread,
BSPP

Product Code	Thread
LN-18	1/8"
LN-14	1/4"
LN-38	3/8"
LN-12	1/2"
LN-34	3/4"
LN-1	1"
LN-114	1.1/4"
LN-112	1.1/2"
LN-2	2"
LN-212	2.1/2"
LN-3	3"

Round Blanking Cap



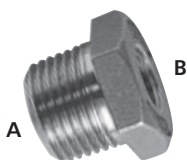
Female Thread,
BSPP

Product Code	Thread
RC-18	1/8"
RC-14	1/4"
RC-38	3/8"
RC-12	1/2"
RC-34	3/4"
RC-1	1"
RC-114	1.1/4"
RC-112	1.1/2"
RC-2	2"
RC-212	2.1/2"
RC-3	3"

FOR DRUM TAPS, SEE SECTION 7

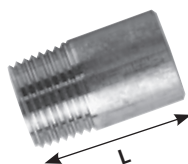


Hexagon Reducing Bush

Male Thread,
BSPT x Female
Thread, BSPP

Product Code	Thread A	Thread B
RB-14-18	1/4"	1/8"
RB-38-14	3/8"	1/4"
RB-38-18	3/8"	1/8"
RB-12-14	1/2"	1/4"
RB-12-18	1/2"	1/8"
RB-12-38	1/2"	3/8"
RB-34-12	3/4"	1/2"
RB-34-14	3/4"	1/4"
RB-34-18	3/4"	1/8"
RB-34-38	3/4"	3/8"
RB-1-12	1"	1/2"
RB-1-14	1"	1/4"
RB-1-34	1"	3/4"
RB-1-38	1"	3/8"
RB-114-1	1.1/4"	1"
RB-114-12	1.1/4"	1/2"
RB-114-34	1.1/4"	3/4"
RB-112-1	1.1/2"	1"
RB-112-12	1.1/2"	1/2"
RB-112-34	1.1/2"	3/4"
RB-112-114	1.1/2"	1.1/4"
RB-2-1	2"	1"
RB-2-34	2"	3/4"
RB-2-112	2"	1.1/2"
RB-2-114	2"	1.1/4"
RB-212-1	2.1/2"	1"
RB-212-2	2.1/2"	2"
RB-212-112	2.1/2"	1.1/2"
RB-212-114	2.1/2"	1.1/4"
RB-3-1	3"	1"
RB-3-114	3"	1.1/4"
RB-3-112	3"	1.1/2"
RB-3-2	3"	2"
RB-3-212	3"	2.1/2"
RB-4-3	4"	3"

Welding Nipple

Male Thread,
BSPT

Product Code	Thread	Length mm
WN-18	1/8"	20
WN-14	1/4"	20
WN-38	3/8"	30
WN-12	1/2"	35
WN-34	3/4"	40
WN-1	1"	40
WN-114	1.1/4"	50
WN-112	1.1/2"	50
WN-2	2"	50

Hexagon Reducing Nipple

Male Thread,
BSPT x Male
Thread, BSPT

Product Code	Thread A	Thread B
RHN-14-18	1/4"	1/8"
RHN-12-14	1/2"	1/4"
RHN-12-18	1/2"	1/8"
RHN-12-38	1/2"	3/8"
RHN-38-14	3/8"	1/4"
RHN-38-18	3/8"	1/8"
RHN-34-12	3/4"	1/2"
RHN-34-14	3/4"	1/4"
RHN-34-18	3/4"	1/8"
RHN-34-38	3/4"	3/8"
RHN-1-12	1"	1/2"
RHN-1-14	1"	1/4"
RHN-1-34	1"	3/4"
RHN-1-38	1"	3/8"
RHN-114-1	1.1/4"	1"
RHN-114-12	1.1/4"	1/2"
RHN-114-34	1.1/4"	3/4"
RHN-114-38	1.1/4"	3/8"
RHN-112-1	1.1/2"	1"
RHN-112-12	1.1/2"	1/2"
RHN-112-14	1.1/2"	1/4"
RHN-112-34	1.1/2"	3/4"
RHN-112-114	1.1/2"	1.1/4"
RHN-2-1	2"	1"
RHN-2-12	2"	1/2"
RHN-2-34	2"	3/4"
RHN-2-112	2"	1.1/2"
RHN-2-114	2"	1.1/4"
RHN-3-2	3"	2"
RHN-4-2	4"	2"
RHN-4-3	4"	3"

Square Head Plug

Male Thread,
BSPT

Product Code	Thread
SP-18	1/8"
SP-14	1/4"
SP-38	3/8"
SP-12	1/2"
SP-34	3/4"
SP-1	1"
SP-114	1.1/4"
SP-112	1.1/2"
SP-2	2"
SP-212	2.1/2"
SP-3	3"

Threaded Full Socket

Female Thread,
BSPP

Product Code	Thread
FS-18	1/8"
FS-14	1/4"
FS-38	3/8"
FS-12	1/2"
FS-34	3/4"
FS-1	1"
FS-114	1.1/4"
FS-112	1.1/2"
FS-2	2"
FS-212	2.1/2"
FS-3	3"
FS-4	4"

Threaded Half Socket

Female Thread,
BSPP

Product Code	Thread
HS-18	1/8"
HS-14	1/4"
HS-38	3/8"
HS-12	1/2"
HS-34	3/4"
HS-1	1"
HS-114	1.1/4"
HS-112	1.1/2"
HS-2	2"
HS-212	2.1/2"
HS-3	3"
HS-4	4"

316 Stainless Steel Tube

Seamless schedule:
40 ASTM A312/AMSE
SA312-A530.Conforms to:
NACE standard MR-01-
75, Din50049-3.1.B.

3 Metre Lengths Random

Product Code	ND	Wall Thickness mm
2028-5839	1/8"	1.73
2028-5854	1/4"	2.24
2028-5862	3/8"	2.31
2028-5870	1/2"	2.77
2028-5953	3/4"	2.87
2028-5961	1"	3.38
2028-5979	1.1/4"	3.56
2028-5987	1.1/2"	3.68
2028-5995	2"	3.91
2028-6019	2.1/2"	5.16
2028-6068	3"	5.49
2028-6076	3.1/2"	5.74
2028-6084	4"	6.02

FOR SANITARY PUMPS, SEE SECTION 6



316 STAINLESS STEEL FLANGES

Slip-on PN16/3



BS4504:
Sect 3.1:1989

Product Code	Size
SSFBS-12	1/2"
SSFBS-34	3/4"
SSFBS-1	1"
SSFBS-112	1.1/2"
SSFBS-2	2"
SSFBS-3	3"
SSFBS-4	4"

Slip-on 150lb



ANSI B16.5

Product Code	Size
SSFSA-12	1/2"
SSFSA-1	1"
SSFSA-112	1.1/2"
SSFSA-2	2"
SSFSA-3	3"
SSFSA-4	4"

Table D



Product Code	Size
TABLE-D-112	1.1/2"
TABLE-D-2	2"
TABLE-D-4	4"

Table E



Product Code	Size
TABLE-E-1	1"
TABLE-E-112	1.1/2"
TABLE-E-2	2"
TABLE-E-3	3"

Blind PN16/3



BS4504:
Sect 3.1:1989

Product Code	Size
SSFBB-12	1/2"
SSFBSB-34	3/4"
SSFBSB-1	1"
SSFBB-2	2"
SSFBB-3	3"

Blind 150lb



BS4504:
Sect 3.1:1989

Product Code	Size
SSFBA-12	1/2"
SSFBA-34	3/4"
SSFBA-1	1"
SSFBA-112	1.1/2"
SSFBA-2	2"
SSFBA-3	3"
SSFBA-4	4"

Weld Neck 150lb



ANSI B16.5

Product Code	Size
SSFWA-12	1/2"
SSFWA-34	3/4"
SSFWA-1	1"
SSFWA-2	2"
SSFWA-3	3"

FOR FUNNELS, SEE SECTION 1



INDUSTRIAL TUBING

Nylon Tubing


Temperature Range:

Flexible Grade: -40°C to +80°C continuous (+110°C intermittent).

Semi Rigid Grade: -40°C to +110°C continuous (+140°C intermittent).


Maximum Working Pressure:

This figure is based on the theoretical burst pressure at +20°C, using a safety factor 4:1. Any increase in temperature above +20°C will result in a decrease in pressure capabilities.

All nylon supplied in 30m coils. Product codes are for 'natural' nylon. Please add suffix **B** if required in black. Other colours available on request.

Flexible, Metric

Product Code	OD mm	ID mm	Working Pressure bar	Burst Pressure bar
NT005	4	2	65	259
NT010	4	2.5	38	152
NT015	6	3	65	259
NT020	6	4	31	127
NT025	8	5	39	155
NT030	8	6	21	84
NT035	10	7	27	109
NT040	10	7.5	21	84
NT045	10	8	15	63

Flexible, Imperial

Product Code	OD	ID	Working Pressure bar	Burst Pressure bar
NT050	1/8"	.062"	65	259
NT055	3/16"	.107"	49	195
NT060	3/16"	.137"	23	94
NT065	1/4"	.150"	42	170
NT070	1/4"	.170"	30	120
NT075	1/4"	.190"	20	80
NT080	5/16"	.182"	46	186
NT085	5/16"	.242"	19	74
NT090	3/8"	.225"	43	173

Semi-Rigid, Metric

Product Code	OD mm	ID mm	Working Pressure bar	Burst Pressure bar
NT095	4	2	104	414
NT100	4	2.5	61	244
NT105	6	3	104	414
NT110	6	4	50	203
NT115	8	5	62	249
NT120	8	6	33	135
NT125	10	7	43	174
NT130	10	7.5	33	135
NT135	10	8	25	101

Semi-Rigid, Imperial

Product Code	OD	ID	Working Pressure bar	Burst Pressure bar
NT140	1/8"	.062"	103	414
NT145	3/16"	.107"	78	312
NT150	3/16"	.137"	37	150
NT155	1/4"	.150"	67	271
NT160	1/4"	.170"	47	191
NT165	1/4"	.190"	32	128
NT170	5/16"	.182"	74	297
NT175	5/16"	.242"	29	118
NT180	3/8"	.225"	69	276

High Pressure Semi Rigid Nylon Tube



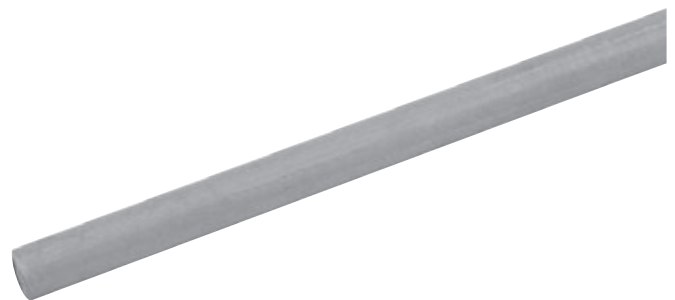
Maximum Working Pressure:
90 bar (1350 psi)

NEW



Product Code	OD mm	ID mm	Fill	Coil Length
152823/50	4	1	Soft Grease	50 Metre
84-3045	6	1.5	NLGI 000	100 Metre
84-3051	6	1.5	NLGI 2	25 Metre
152821/25	4	1	Heavy Grease	25 Metre

Bundy Tube



Metric

Product Code	OD mm	Wall Thickness mm	Burst Pressure psi	Length mtrs
BT004	4	0.71	N/A	3.2
BT006	6	0.71	13500	3.2
BT008	8	0.71	10875	3.2
BT010	10	0.71	7500	3.2

Imperial

Product Code	OD	Wall Thickness	Burst Pressure psi	Length mtrs
BT018	1/8"	0.028	N/A	3.2
BT316	3/16"	0.028	16500	3.2
BT014	1/4"	0.028	12000	3.2
BT516	5/16"	0.028	10875	3.2
BT038	3/8"	0.028	8200	3.04
BT012	1/2"	0.028	5000	3.04

FOR SUCTION HOSE, SEE SECTION 11



Copper Tubing, Annealed to BS2871/2/C106 (EN1057)



Metric

Product Code	OD mm	ID mm	SWG	Max Working Pressure psi	Burst Pressure psi	Length mtrs
MCT-4	4	2.8	22	1,993	7,972	10
MCT-4/30	4	2.8	22	1,993	7,972	30
MCT-5	5	3.4	22	2,124	8,496	10
MCT-6	6	4.4	22	1,760	7,040	10
MCT-6/30	6	4.4	22	1,760	7,040	30
MCT-8	8	6.4	22	1,324	5,296	10
MCT-8/30	8	6.4	22	1,324	5,296	30
MCT-10	10	8.4	22	1,047	4,188	10
MCT-10/30	10	8.4	22	1,047	4,188	30
MCT-12	12	10.4	20	1,000	4,000	10
MCT-12/30	12	10.4	20	1,000	4,000	30

Imperial

Product Code	OD	ID	SWG	Max Working Pressure psi	Burst Pressure psi	Length mtrs
ICT-18	1/8"	0.069"	22	3,026	12,104	10
ICT-18/30	1/8"	0.069"	22	3,026	12,104	30
ICT-316	3/16"	0.131"	22	1,978	7,912	10
ICT-316/30	3/16"	0.131"	22	1,978	7,912	30
ICT-14	1/4"	0.194"	22	1,484	5,936	10
ICT-14/30	1/4"	0.194"	22	1,484	5,936	30
ICT-516	5/16"	0.256"	22	1,178	4,712	10
ICT-516/30	5/16"	0.256"	22	1,178	4,712	30
ICT-38	3/8"	0.319"	22	974	3,896	10
ICT-38/30	3/8"	0.319"	22	974	3,896	30
ICT-12	1/2"	0.428"	20	945	3,780	10
ICT-12/30	1/2"	0.428"	20	945	3,780	30

Imperial Flexible Nylon Tubing, to BS5409

Standard coil length: 30 metres (other colours and lengths available on request).

Manufactured from top quality crystal clear 'virgin' nylon compound. This hose is ideal for factory airlines, fluid systems and many industrial applications.

The hose is resistant to a wide range of chemicals (please consult our sales office for further details).



30 Metre Coils

Product Code	OD	ID	Colour	Max psi
NTI18/075	1/8"	0.075	Natural	300
NTI18/075N	1/8"	0.075	Black	300
NTI532/096	5/32"	0.096	Natural	250
NTI316/117	3/16"	0.117	Natural	300
NTI316/117N	3/16"	0.117	Black	300
NTI14/170	1/4"	0.170	Natural	300
NTI14/170B	1/4"	0.170	Blue	300
NTI14/170G	1/4"	0.170	Green	300
NTI14/170R	1/4"	0.170	Red	300
NTI14/170Y	1/4"	0.170	Yellow	300
NTI14/170N	1/4"	0.170	Black	300
NTI516/212	5/16"	0.212	Natural	250
NTI516/212B	5/16"	0.212	Blue	250
NTI516/212G	5/16"	0.212	Green	250
NTI516/212R	5/16"	0.212	Red	250
NTI516/212N	5/16"	0.212	Black	250
NTI38/250	3/8"	0.250	Natural	250
NTI38/250B	3/8"	0.250	Blue	250
NTI38/250G	3/8"	0.250	Green	250
NTI38/250R	3/8"	0.250	Red	250
NTI38/250Y	3/8"	0.250	Yellow	250
NTI38/250N	3/8"	0.250	Black	250
NTI12/375	1/2"	0.375	Natural	250
NTI12/375B	1/2"	0.375	Blue	250
NTI12/375G	1/2"	0.375	Green	250
NTI12/375R	1/2"	0.375	Red	250
NTI12/375Y	1/2"	0.375	Yellow	250
NTI12/375N	1/2"	0.375	Black	250
NTI34/594	3/4"	0.594	Natural	200
NTI58/500	5/8"	0.500	Natural	200
NTI1/813	1"	0.813	Natural	180

15 Metre Coils

Product Code	OD	ID	Colour	Max psi
NTI34/594-15	3/4"	0.594	Natural	300

Clips For Metal & Nylon Tubing



Single Clip

Product Code	OD	OD mm
34021802	5/32"	4
34021803	3/16"	5
34021804	1/4"	6
34021805	5/16"	8
34021806	3/8"	10
34021807	1/2"	12
34021508	5/8"	16
34021509	3/4"	-
36000110	-	22
34021511	1.1/8"	28

Double Clip

Product Code	OD	OD mm
34021902	5/32"	4
34021903	3/16"	5
34021904	1/4"	6
34021905	5/16"	8
34021906	3/8"	10
34021907	1/2"	12
34021608	5/8"	16
34021609	3/4"	-
34021611	1.1/8"	28

Triple Clip

Product Code	OD	OD mm
34022002	5/32"	4
34022003	3/16"	5
34022004	1/4"	6
34022005	5/16"	8
34022006	3/8"	10
34022007	1/2"	12

Metric Super-Flexible Nylon Tubing


Super-Flexible nylon tubing has been specially developed to meet demands for a nylon tubing which gives superior flexibility over existing materials. Super-Flexible remains flexible even when exposed to very low temperatures and has extremely high impact resistance. The combination of these qualities with the advantages of superior abrasive resistance allied with high durability to oil and petrol, provides many interesting applications, including instrumentation lines, fuel and oil pipes, flexible paint and solvent spray hose.

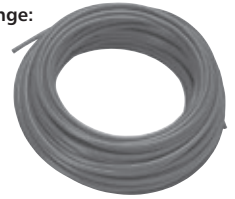
30 Metre Coils

Product Code	OD mm	ID mm	Min Bend Radius	Colour
SFN04/025	4	2.5	25mm	Natural
SFN04/025N	4	2.5	25mm	Black
SFN04/025B	4	2.5	25mm	Blue
SFN04/025G	4	2.5	25mm	Green
SFN04/025R	4	2.5	25mm	Red
SFN04/025Y	4	2.5	25mm	Yellow
SFN05/033	5	3	30mm	Natural
SFN05/033N	5	3	30mm	Black
SFN06/040	6	4	35mm	Natural
SFN06/040N	6	4	35mm	Black
SFN06/040B	6	4	35mm	Blue
SFN06/040G	6	4	35mm	Green
SFN06/040R	6	4	35mm	Red
SFN06/040Y	6	4	35mm	Yellow
SFN08/055	8	5.5	45mm	Natural
SFN08/055N	8	5.5	45mm	Black

30 Metre Coils

Product Code	OD mm	ID mm	Min Bend Radius	Colour
SFN08/060	8	6	45mm	Natural
SFN08/060N	8	6	45mm	Black
SFN08/060B	8	6	45mm	Blue
SFN08/060G	8	6	45mm	Green
SFN08/060R	8	6	45mm	Red
SFN08/060Y	8	6	45mm	Yellow
SFN10/070	10	7	60mm	Natural
SFN10/070N	10	7	60mm	Black
SFN10/080	10	8	55mm	Natural
SFN10/080N	10	8	55mm	Black
SFN10/080B	10	8	55mm	Blue
SFN10/080G	10	8	55mm	Green
SFN10/080R	10	8	55mm	Red
SFN10/080Y	10	8	55mm	Yellow

 **Temperature Range:**
-20°C to +100°C
Burst Pressure:
580 psi



30 Metre Coils

Product Code	OD mm	ID mm	Min Bend Radius	Colour
SFN12/085	12	9	70mm	Natural
SFN12/085N	12	9	70mm	Black
SFN12/085B	12	9	70mm	Blue
SFN12/085G	12	9	70mm	Green
SFN12/085R	12	9	70mm	Red
SFN12/085Y	12	9	70mm	Yellow
SFN12/100	12	10	65mm	Natural

Metric Flexible Nylon Tubing, Type 'NT' to BS5409


Manufactured from extremely high quality grade nylon granules, this hose gives almost total resistance to abrasion and many more chemicals including dilute acids and alkalines. The properties of this tube make it ideal for use in pneumatic control systems, fuel lines, lubrication lines and also within the food, beverage and brewing industry. Ideally suited for use with push-in fittings.

30 Metre Coils

Product Code	OD mm	ID mm	Colour	Max psi
NTM04/030	4	3	Natural	300
NTM04/025	4	2.5	Natural	400
NTM04/025N	4	2.5	Black	400
NTM04/025B	4	2.5	Blue	400
NTM04/025G	4	2.5	Green	400
NTM04/025R	4	2.5	Red	400
NTM04/025Y	4	2.5	Yellow	400
NTM05/030	5	3.0	Natural	400
NTM05/030N	5	3.0	Black	400
NTM05/030B	5	3.0	Blue	400
NTM05/030G	5	3.0	Green	400
NTM05/030R	5	3.0	Red	400
NTM05/030Y	5	3.0	Yellow	400
NTM05/033	5	3.3	Natural	300
NTM05/033N	5	3.3	Black	300
NTM05/033B	5	3.3	Blue	300
NTM05/033G	5	3.3	Green	300
NTM05/033R	5	3.3	Red	300
NTM05/033Y	5	3.3	Yellow	300
NTM06/040	6	4	Natural	350
NTM06/040N	6	4	Black	350
NTM06/040B	6	4	Blue	350
NTM06/040G	6	4	Green	350
NTM06/040R	6	4	Red	350
NTM06/040Y	6	4	Yellow	350
NTM06/045	6	4.5	Natural	300
NTM08/060	8	6	Natural	350
NTM08/060N	8	6	Black	350
NTM08/060B	8	6	Blue	350
NTM08/060G	8	6	Green	350
NTM08/060R	8	6	Red	350
NTM08/060Y	8	6	Yellow	350
NTM08/055	8	5.5	Natural	350
NTM08/055N	8	5.5	Black	350
NTM09/060	9	6	Natural	300

30 Metre Coils

Product Code	OD mm	ID mm	Colour	Max psi
NTM10/070	10	7	Natural	300
NTM10/070N	10	7	Black	300
NTM10/070B	10	7	Blue	300
NTM10/070G	10	7	Green	300
NTM10/070R	10	7	Red	300
NTM10/070Y	10	7	Yellow	300
NTM10/080	10	8	Natural	220
NTM10/080N	10	8	Black	220
NTM10/080B	10	8	Blue	220
NTM10/080G	10	8	Green	220
NTM10/080R	10	8	Red	220
NTM10/080Y	10	8	Yellow	220
NTM11/080	11	8	Natural	200
NTM12/090	12	9	Natural	250
NTM12/090N	12	9	Black	250
NTM12/090B	12	9	Blue	250
NTM12/090G	12	9	Green	250
NTM12/090R	12	9	Red	250
NTM12/090Y	12	9	Yellow	250
NTM12/100	12	10	Natural	200
NTM12/100N	12	10	Black	200
NTM12/100R	12	10	Red	200
NTM13/100	13	10	Natural	200
NTM14/110	14	11	Natural	250
NTM14/110N	14	11	Black	250
NTM15/120	15	12	Natural	200
NTM16/130	16	13	Natural	200
NTM18/140	18	14	Natural	200
NTM20/160	20	16	Natural	180
NTM22/170	22	17	Natural	180
NTM25/200	25	20	Natural	160
NTM28/220	28	22	Natural	150

 **Temperature Range:**
-20°C to +70°C
Other colours and lengths available on request.



100 Metre Coils

Product Code	OD mm	ID mm	Colour	Max psi
NTM04/025-100	4	2.5	Natural	400
NTM05/030-100	5	3	Natural	400
NTM06/040-100	6	4	Natural	350
NTM06/040N-100	6	4	Black	350
NTM06/040B-100	6	4	Blue	350
NTM06/040G-100	6	4	Green	350
NTM06/040R-100	6	4	Red	350
NTM06/040Y-100	6	4	Yellow	350
NTM08/060-100	8	6	Natural	350
NTM08/060N-100	8	6	Black	350
NTM08/060B-100	8	6	Blue	350
NTM08/060G-100	8	6	Green	350
NTM08/060R-100	8	6	Red	350
NTM08/060Y-100	8	6	Yellow	350
NTM10/080-100	10	8	Natural	220
NTM10/080N-100	10	8	Black	220
NTM10/080B-100	10	8	Blue	220
NTM10/080G-100	10	8	Green	220
NTM10/080R-100	10	8	Red	220
NTM10/080Y-100	10	8	Yellow	220

SECTION

10

FILTER REGULATORS & COMPRESSORS



Filter Regulator & Lubricators

Filters

Regulators

Drip Leg Drain

Fuel Bowl Filters

Inline Fuel Filter Elements

Suction Strainers

Long Life Compressor Oil

Air Receiver Kits

Belt Drive Compressors

FILTER REGULATORS

- Heavy duty
- Metal construction
- Modular compact design
- Semi-auto drain as standard

- 25 micron filtration as standard
- Working pressure: 10 bar
- Temperature range: -10°C to +60°C

- Guard bowl protection only on AC3000, AC4000 and AC5000 units

Filter + Regulator + Lubricator



Supplied Fully Assembled with Mounting Bracket & Gauge, 0-10 bar, BSPP

Product Code	Connection	LPM
FM-20-01-C	1/8"	500
FM-30-02-C	1/4"	2000
FM-40-03-C	3/8"	4000
FM-40-04-C	1/2"	4000
FM-50-06-C	3/4"	5000
FM-50-10-C	1"	5000

Filter



0-10 bar, BSPP

Product Code	Connection	LPM
FM-20-01-F	1/8"	750
FM-30-02-F	1/4"	1500
FM-40-03-F	3/8"	4000
FM-40-04-F	1/2"	4000
FM-50-06-F	3/4"	7000
FM-50-10-F	1"	7000

Drip Leg Drain



BSPP

Product Code	Connection
FM-402-04-S	1/2"

Filter + Regulator + Lubricator



Supplied Fully Assembled with Mounting Bracket & Gauge, 0-10 bar, BSPP

Product Code	Connection	LPM
FM-21-01-C	1/8"	500
FM-31-02-C	1/4"	1700
FM-41-03-C	3/8"	3000
FM-41-04-C	1/2"	3000
FM-51-06-C	3/4"	7000
FM-51-10-C	1"	7000

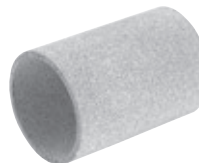
Regulator



0-10 bar, BSPP

Product Code	Connection	LPM
FM-20-01-R	1/8"	550
FM-30-02-R	1/4"	2500
FM-40-03-R	3/8"	6000
FM-40-04-R	1/2"	6000
FM-50-06-R	3/4"	8000
FM-50-10-R	1"	8000

Filter Elements



Product Code	To Suit
FM-20-5UM	FM-20 & MF-21
FM-20-25UM	FM-20 & FM-21
FM-20-40UM	FM-20 & FM-21
FM-30-5UM	FM-30 & FM-31
FM-30-25UM	FM-30 & FM-31
FM-30-40UM	MF-30 & FM-31
FM-40-5UM	FM-40 & FM-41
FM-40-25UM	FM-40 & FM-41
FM-40-40UM	FM-40 & FM-41
FM-50-5UM	FM-50 & FM-51
FM-50-25UM	FM-50 & FM-51
FM-50-40UM	FM-50 & FM-51

Filter Regulator



Supplied Fully Assembled with Mounting Bracket & Gauge, 0-10 bar, BSPP

Product Code	Connection	LPM
FM-20-01-W	1/8"	550
FM-30-02-W	1/4"	2000
FM-40-03-W	3/8"	4000
FM-40-04-W	1/2"	4000
FM-50-06-W	3/4"	7000
FM-50-10-W	1"	7000

Lubricator



Product Code	Connection	LPM
FM-20-01-L	1/8"	800
FM-30-02-L	1/4"	1700
FM-40-03-L	3/8"	5000
FM-40-04-L	1/2"	5000
FM-50-06-L	3/4"	7000
FM-50-10-L	1"	7000

300 Series Air Service Unit, Floor Stand

NEW



Supplied Fully Assembled with Mounting Bracket & Gauge, 0-10 bar, BSPP

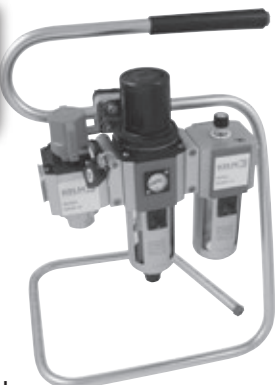
Product Code	Connection	LPM
KCFS300-15-A-F-3	1/2"	4000

Semi-Auto Drain, supplied with Shut-off Valve & 10 bar Gauge, BSPP

Product Code	Connection	LPM
KCFS300-15-F-3	1/2"	4000

400 Series Air Service Unit, Floor Stand

NEW



Auto Drain, supplied with Shut-off Valve & 10 bar Gauge, BSPP

Product Code	Connection	LPM
KCFS400-15-A-F-3	1/2"	6000

Semi-Auto Drain, supplied with Shut-off Valve & 10 bar Gauge, BSPP

Product Code	Connection	LPM
KCFS400-15-F-3	1/2"	6000

300 Series Air Service Unit, Wall Mount

NEW



Auto Drain, supplied with Shut-off Valve & 10 bar Gauge, BSPP

Product Code	Connection	LPM
KCAS300-15-A-F-3	1/2"	4000

Semi-Auto Drain, supplied with Shut-off Valve & 10 bar Gauge, BSPP

Product Code	Connection	LPM
KCAS300-15-F-3	1/2"	4000

400 Series Air Service Unit, Wall Mount

NEW



Auto Drain, supplied with Shut-off Valve & 10 bar Gauge, BSPP

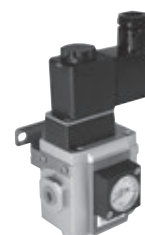
Product Code	Connection	LPM
KCAS400-15-A-F-3	1/2"	6000

Semi-Auto Drain, supplied with Shut-off Valve & 10 bar Gauge, BSPP

Product Code	Connection	LPM
KCAS400-15-F-3	1/2"	6000

200 Series Soft Start Valves, Solenoid

NEW



24V DC, supplied with Solenoid Coil, DIN Connector, Mounting Bracket & 10 bar Gauge, BSPP

Product Code	Connection
KC200-06	1/8"
KC200-08	1/4"

300 Series Soft Start Valves, Solenoid

NEW



24V DC, supplied with Solenoid Coil, DIN Connector, Mounting Bracket & 10 bar Gauge, BSPP

Product Code	Connection
KC300-08	1/4"
KC300-10	3/8"
KC300-15	1/2"

400 Series Soft Start Valves, Solenoid

NEW



24V DC, supplied with Solenoid Coil, DIN Connector, Mounting Bracket & 10 bar Gauge, BSPP

Product Code	Connection
KC400-10	3/8"
KC400-15	1/2"

FOR PRESSURE GAUGES, SEE SECTION 8



Fuel Bowl Filters

- Fully interchangeable with Goldenrod filter elements
- Disposable filter elements
- Fitted with bottom drain plug
- Filter available to remove particle contamination -at 10 micron or particle and water contamination at 15 micron



Product Code	Connection BSPP	Description
FFILT.KIT	1"	Fuel Filter Kit, Particles
FFILT.KITW	1"	Fuel Filter Kit, Water
FFILT.EL	-	Spare Particle Elements
FFILT.ELW	-	Spare Water Elements

FUEL FILTERS

In-line Fuel Filter Elements

Paper Filter

Product Code	Length mm
25-200	6.5



Paper Filter

Product Code	Length mm
25-201	9.5



Nylon Filter

Product Code	Length mm
25-202	9.5



Nylon Filter

Product Code	Length mm
25-203	8.5



Nylon Filter

Product Code	Length mm
25-204	8



Particle filter element removes particles from diesel/gasoil lines to 30 micron, suitable for use with gravity or electric pumps. When the flow rate is restricted this element needs replacing.

Operating Range
up to 45 lpm

Product Code	Maximum psi
2019-9444	50

Particle filter element removes particles and water from diesel/gasoil lines to 30 micron. When the flow rate is restricted this element needs replacing.

Operating Range
up to 75 lpm

Product Code	Maximum psi
2019-9451	50



SUCTION STRAINERS

149 Micron

NEW



BSPP

Product Code	To Suit	Litres Per Minute
SS020-08	1/2"	20
SS030-12	3/4"	30
SS040-16	1"	40
SS080-20	1.1/4"	80
SS120-24	1.1/2"	120
SS200-24	1.1/2"	200
SS200-32	2"	200
SS300-40	2.1/2"	300
SS400-48	3"	400

60, 90 & 250 Micron Available

NEW



Temperature Range:
-25°C to +110°C

Materials:

- Connect & End Caps – nylon
- Support Tube – Galvanised steel
- Flow rates to 900 lpm
- Without bypass valve
- With bypass option available
- Filters conform to ISO Filtration standards
- MP Filtri UK an ISO9001 company

BSPP

Product Code	Manufacture's Code	Thread	Length mm	OD mm	Litres Per Minute
2086-2884	STR0452SG1M90	1/2"	105	46	27
2086-2892	STR0652SG1M90	3/4"	110	65	65
2086-2900	STR0654SG1M90	1"	144	65	130
2086-2918	STR0861SG1M90	1.1/2"	143	86	250
2086-2926	STR0863SG1M90	1.1/2"	201	86	250
2086-2934	STR0866SG1M90	2"	261	86	450
2086-2942	STR1402SG1M90	2"	160	130	450
2086-2959	STR1404SG1M90	2.1/2"	272	130	850
2086-2967	STR1405SG1M90	3"	272	130	900

FOR FITTINGS & TUBING, SEE SECTION 9



AIR COMPRESSORS

Air Receivers & Receiver Kits

Vertical compressed air tanks blue RAL-5012. CE approved. Certificate is supplied with the tank. Manufactured in the EU.
Applications: The vertical tanks need very limited floor space. They include the necessary inlets/outlets and ground connections.
Installation: Always in combination with a full receiver kit. Water drain and safety relief valve.

The air receiver or tank allows the storage & control of compressed air. A device on most compressors maintains pressure at a pre-determined pressure range, allowing the compressor to operate automatically as the air is used, switching on and off accordingly. The air receiver must also be fitted with a safety device to prevent over pressurisation, a means of draining condensate and various outlet sockets. The size of air receiver (usually measured in litres) will normally be proportional to the size or capacity of air compressor fitted.



Ensure the compressor never takes in air/solvent mix. This could cause the tank to explode.

NEW



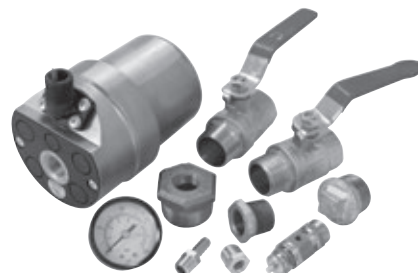
Additional carriage charges will apply to this product and will vary dependant on location. (This overrides any other carriage agreements). For further details please contact our Business Development Team.

Vertical Receivers

Product Code	Litres	Width mm	Height mm	Weight Kg	Pressure bar
7700076	100	370	1200	37	11
7770077	200	450	1550	62	11
7700071	270	500	1650	80	11
7700072	500	600	2100	135	11
7700073	720	750	2050	180	11
7770078	900	800	2500	230	12
7700074	1000	800	2500	230	11
7700075	2000	1100	2500	330	11
7770079	3000	1200	3300	560	12

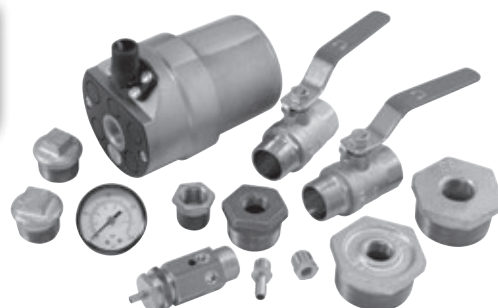
NEW

9923270



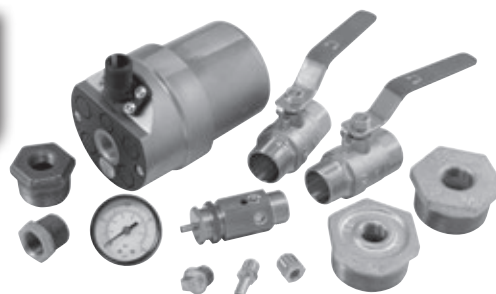
NEW

9923500



NEW

9923700



Each kit includes:

- Drain Valve
- Ball Valve
- Safety Valve

Receiver Kits

Product Code	To Suit
9923270	270 Litres
9923500	500 Litres
9923700	720 Litres

FOR COUPLINGS, SEE SECTION 8



Direct Drive Compressors

NEW



Oil Free

Product Code	C.F.M	L.P.M	Max. bar	HP	Litres	Voltage
2026-0001	8.1	230	8	2	24	230/1/50
2026-0002	8.1	230	8	2	50	230/1/50

NEW



Lubricated

Product Code	C.F.M	L.P.M	Max. bar	HP	Litres	Voltage
2026-0003	7.8	222	8	2	24	230/1/50
2026-0004	10.9	310	10	3	24	230/1/50
2026-0005	7.8	222	8	2	50	230/1/50
2026-0006	10.9	310	10	3	50	230/1/50

Tradeline

NEW

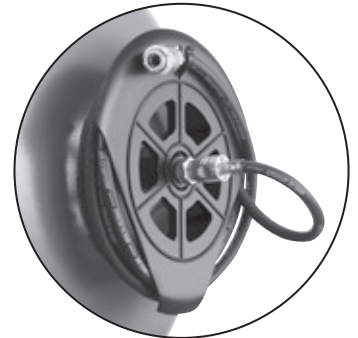


Oil Free, 110V

Product Code	C.F.M	L.P.M	Max. bar	HP	Litres	Voltage
2026-0007	8.8	250	8	2.5	6	110
2026-0008	8.8	250	8	2.5	24	110

Retro Fit Hose Reels

NEW



25 Series QRC Connection

Product Code	ID	Length Metres
2026-2028	1/4"	5
2026-2029	1/4"	10

Piston Compressor Service Kits

NEW



Product Code	Description
2026-2030	Service Kit Only
2026-2031	Service Kit c/w 1 Litre Altair
2026-2032	Service Kit Only
2026-2033	Service Kit c/w 2 Litre Altair
2026-2034	Service Kit Only
2026-2035	Service Kit c/w 2 Litre Altair
2026-2036	Service Kit Only
2026-2037	Service Kit c/w 2 Litre Altair
2026-2038	Service Kit Only
2026-2039	Service Kit c/w 2 Litre Altair
2026-2040	Service Kit Only
2026-2041	Service Kit c/w 4 Litre Altair
2026-2042	Service Kit Only
2026-2043	Service Kit c/w 4 Litre Altair

Part Number	ABAC Seal Kit Ref	To suit Compressor Ref
2026-2030	8973037657	2026-2024, 2026-2025, 2026-0011, 2026-0012, 2026-0013, 2026-0014, 2026-0015
2026-2031	8973037658	
2026-2032	8973037624	2026-2020, 2026-0016, 2026-0017
2026-2033	8973037625	
2026-2034	8973037628	
2026-2035	8973037629	2026-2021, 2026-2026
2026-2036	8973037632	
2026-2037	8973037633	2026-2027, 2026-0018
2026-2038	8973037646	
2026-2039	8973037647	2026-2022
2026-2040	8973037636	
2026-2041	8973037637	2026-0019
2026-2042	8973037648	
2026-2043	8973037649	2026-2023

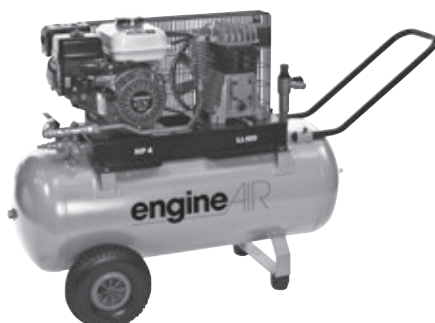
Silent Belt Drive

NEW


Low Noise

Product Code	C.F.M	L.P.M	Max. bar	HP	Litres	Voltage
2026-2020	18	514	11	4	270	415/3/50
2026-2021	22.9	653	11	5.5	270	415/3/50
2026-2022	28.9	827	11	7.5	500	415/3/50
2026-2023	42.4	1210	11	10	500	415/3/50

EngineAir

NEW


Petrol Driven

Product Code	C.F.M	L.P.M	Max. bar	HP	Litres
2026-2024	10	281	10	3.5	100
2026-2025	12	348	10	4.8	100
2026-2026	17	476	14	7.1	270
2026-2027	26	741	14	10.7	270

How to identify the correct kit for your compressor

To identify the service kit to suit your compressor, locate the machines data plate (typically on the receiver saddle between the pump and motor). The first three digits of the machine model number directly relate to the pump model that is fitted. i.e Mod: B5900 will be fitted with a B59 pump unit.

1


ABAC Code	Pump Model	Description	Air Compressor Models
8973037657	A29/B & A39/B	Service Kit	All models starting with A29/B, A39/B or PRO A29/B - A39/B
8973037658		Service Kit + 1 Ltr Altair	
8973037624	B49	Service Kit	AS/Red Line 600/200, B4919/200, B4900 LN, PRO B4900-200-FT4
8973037625		Service Kit + 2 Ltr Altair	
8973037628	B59	Service Kit	B5924/200, B5900 SIL (pre July '05)
8973037629		Service Kit + 2 Ltr Altair	
8973037632	B60	Service Kit	B630/270, PRO B6000-270 FT7.5
8973037633		Service Kit + 2 Ltr Altair	
8973037646	B60 SILENT	Service Kit	B6000 LN
8973037647		Service Kit + 2 Ltr Altair	
8973037636	B70	Service Kit	B741/270, PRO B7000 270 FT10
8973037637		Service Kit + 4 Ltr Altair	
8973037648	B70 SILENT	Service Kit	B7000 LN
8973037649		Service Kit + 4 Ltr Altair	

Belt Drive Compressors

NEW


Redline

Product Code	C.F.M	L.P.M	Max. bar	HP	Litres	Voltage
2026-0009	8.25	234	9	3	90	230
2026-0010	8.25	234	9	3	150	230

NEW


BlueLine

Product Code	C.F.M	L.P.M	Max. bar	HP	Litres	Voltage
2026-0011	11.2	320	10	3	50	230/1/50
2026-0012	13.8	393	10	3	150	230/1/50
2026-0013	13.8	393	10	3	150	400/3/50
2026-0014	13.8	393	10	3	200	230/1/50
2026-0015	13.8	393	10	3	200	400/3/50
2026-0016	18	514	11	4	200	400/3/50
2026-0017	22.9	653	11	5.5	200	400/3/50
2026-0018	28.9	827	11	7.5	270	400/3/50
2026-0019	42.4	1210	11	10	270	400/3/50

Puma Mini Portable Compressors

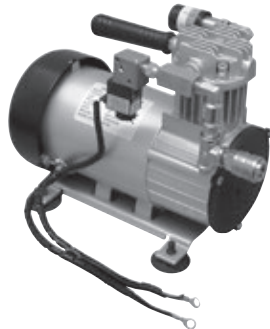
NEW



Semi Professional, 0.5 Litre Tank

Product Code	L.P.M	Litres	Length mm	Width mm	Height mm	Rotation	Max. Voltage bar
PD11005/12V	34	0.5	230	190	310	3400	8 12V
PD11005/24V	34	0.5	230	190	310	3400	8 24V

NEW



Professional

Product Code	L.P.M	Length mm	Width mm	Height mm	Rotation	Max. Voltage bar
DC07S/12V	95	300	190	270	3000	8 12V
DC07S/24V	95	300	190	270	3000	8 24V

Reservoir Tanks

NEW



1/2" Inlet/Outlet Reservoir Tanks

Product Code	Litres	Height mm	Diameter mm
7710061	2.5	166	160
7710062	5	175	210
7710063	8	240	210
7710064	12	365	229

Nozzles

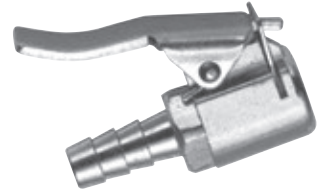
NEW



300mm Nozzle for Commercial Vehicles

Product Code	Description
2900501	For Use on Commercial Vehicles

NEW



Nozzle for Tyre Inflator

Product Code	Description
2900506	For Use on Light Vehicles

NEW



3 Piece Nozzle Kit for Inflatables, Tyres & Footballs

Product Code	Description
2900504	For Use on Inflatables, Tyres & Footballs

Long Life Compressor Oil

NEW

ISO 46 low carbon formation characteristics. Suitable for screw, reciprocating, axial flow and rotary vane compressors. Due to restrictions imposed by the Transport of Dangerous Goods Act, this product is available for delivery to MAINLAND UK ONLY. For further information please contact our customer service department.



Long Life Compressor Oil

Product Code	Litres
2020-6025	5

FOR FLUID HANDLING EQUIPMENT, SEE SECTION 7



SECTION

11

ANCILLARY EQUIPMENT



Suction Hose

Hose Clamps

Hose Reels

Drum Wrench

PTFE Tape

Air Blow Guns

IBC Off Load System

Pipe Benders

Stamp Sets

Lube Cool Systems

SUCTION HOSE

Oil-resistant Suction Hose

Temperature Range:
-20°C to +60°C

Cold Bend:
-45°C



- Vacuum: 711mm Hg = 94% at 20°C
- Suitable for suction and discharge of black fuel oils, gas and oils with a low aromatic content

Blue, 10 Metre Coils

Product Code	ID mm	ID	Wall mm
ORS19-10	20	3/4"	3.6
ORS25-10	25	1"	3.8
ORS32-10	32	1.1/4"	4.0
ORS38-10	38	1.1/2"	4.4
ORS51-10	51	2"	4.8
ORS63-10	63	2.1/2"	5.2
ORS76-10	76	3"	5.5
ORS102-10	102	4"	6.7

Oil Suction & Delivery Hose

Temperature Range:
-35°C to +100°C

Safety Factor:
3-1



- BS 3492 Type D Class 2
- Transfer of oil based products up to 150 psi, or for vacuum
- Black, fuel/oil resistant nitrile rubber
- Synthetic textile, twin steel wire helix and conductive copper wires
- Black, abrasion, ozone, weather, heat and oil resistant neoprene rubber

10 Metre Coils, 10 bar

Product Code	ID mm	OD mm	Bend mm
T6010/019X10	19	30	133
T6010/025X10	25	35	178
T6010/032X10	32	42	224
T6010/038X10	38	48	266
T6010/045X10	45	55	315
T6010/051X10	51	61	356
T6010/057X10	57	68	399
T6010/060X10	60	71	420
T6010/063X10	63	75	445
T6010/076X10	76	87	533
T6010/089X10	89	102	630
T6010/102X10	102	115	813

40 Metre Coils, 10 bar

Product Code	ID mm	OD mm	Bend mm
T6010/019X40	19	30	133
T6010/025X40	25	35	178
T6010/032X40	32	42	224
T6010/038X40	38	48	266
T6010/045X40	45	55	315
T6010/051X40	51	61	356
T6010/057X40	57	68	399
T6010/060X40	60	71	420
T6010/063X40	63	75	445
T6010/076X40	76	87	533
T6010/089X40	89	102	630
T6010/102X40	102	115	813

Superflexible Medium Duty Suction Hose

Temperature Range:
-15°C to +60°C



- Superflexible Medium Duty Suction Hose is a robust general purpose hose, it has excellent weathering and crush resistance, and is extremely easy to handle due to the extra flexibility. It has a white helix spiral encased in a superflexible green pvc.
- Industries: Suitable for general pumping and suction applications within the agricultural, construction and water treatment industries.
- Applications: Conveyance of water, sludge, slurry, and other waste matter. Can also be used to convey small particles like animal feed and plastic pellets.
- Vacuum: 680mm Hg = 90% at 20°C
- Pressure: Values given are based on the short term burst pressure of the hose at 20°C based on a 3:1 safety factor.
- Chemical Resistance: Resistant to most oxidising and reducing agents and diluted acids and alkalis. For more details please contact our technical sales.
- Note: Any increase in temperature above 20°C will result in a decline in working pressure values.

Dark Olive Green, 10 Metre Coils

Product Code	ID	Wall mm	Max bar
SFMD534-10	3/4"	3.3	8
SFMD51-10	1"	3.5	8
SFMD5114-10	1.1/4"	3.7	7
SFMD5112-10	1.1/2"	4	7
SFMD52-10	2"	4.3	6.5
SFMD5212-10	2.1/2"	5.2	7
SFMD53-10	3"	5	4.5
SFMD5312-10	3.1/2"	5.5	5
SFMD54-10	4"	6	5
SFMD56-10	6"	7.5	2

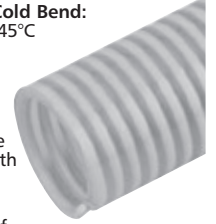
Dark Olive Green, 30 Metre Coils

Product Code	ID	Wall mm	Max bar
SFMD534-30	3/4"	3.3	8
SFMD51-30	1"	3.5	8
SFMD5114-30	1.1/4"	3.7	7
SFMD5112-30	1.1/2"	4	7
SFMD52-30	2"	4.3	6.5
SFMD5212-30	2.1/2"	5.2	7
SFMD53-30	3"	5	4.5
SFMD5312-30	3.1/2"	5.5	5
SFMD54-30	4"	6	5
SFMD56-30	6"	7.5	2

Food Quality Suction Discharge Hose

Temperature Range:
-15°C to +65°C

Cold Bend:
-45°C



- Vacuum: 570mm Hg = 75% at 20°C
- Raw materials used have FDA approval for use with foodstuffs
- Suitable for suction and discharge applications of liquids, solids, water, etc, in the manufacture of foods, beverages and constituent ingredients
- Pressures: values given are based on the short term burst pressure of the hose at 20°C based on a 3:1 safety factor
Note: any increase in temperature above 20°C will result in a decline in working pressure values
- Chemical resistance: resistant to most oxidising and reducing agents and diluted acids and alkalis

For more detailed information please contact technical sales.

Clear with White Spiral, 5 Metre Coils

Product Code	ID	Wall mm	Max bar
FQSD1-5	1"	2.8	5.0
FQSD114-5	1.1/4"	3	5.0
FQSD112-5	1.1/2"	3.4	5.0
FQSD2-5	2"	4.1	5.0
FQSD212-5	2.1/2"	4.2	5.0
FQSD3-5	3"	4.7	5.0
FQSD4-5	4"	6	4.0

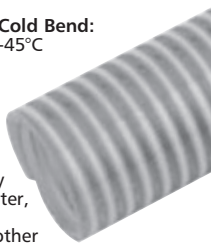
Clear with White Spiral, 10 Metre Coils

Product Code	ID	Wall mm	Max bar
FQSD1-10	1"	2.8	5.0
FQSD114-10	1.1/4"	3	5.0
FQSD112-10	1.1/2"	3.4	5.0
FQSD2-10	2"	4.1	5.0
FQSD212-10	2.1/2"	4.2	5.0
FQSD3-10	3"	4.7	5.0
FQSD4-10	4"	6	4.0

Water Delivery Hose

Temperature Range:
-15°C to +65°C

Cold Bend:
-45°C



- Vacuum: 570mm Hg = 75% at 20°C
- Suitable for the delivery and light suction of water, slurry, chemicals, some granules, sewage and other waste matter, particularly suitable for the horticultural and marine industries
- Pressures: values given are based on the short term burst pressure of the hose at 20°C based on a 3:1 safety factor
Note: any increase in temperature above 20°C will result in a decline in working pressure values
- Chemical resistance: resistant to most oxidising and reducing agents and diluted acids and alkalis

For more detailed information please contact technical sales.

Translucent Green, 10 Metre Coils

Product Code	ID	Wall mm	Max bar
WDH34-10	3/4"	2.4	5
WDH1-10	1"	2.4	5
WDH114-10	1.1/4"	2.6	5
WDH112-10	1.1/2"	3.0	5
WDH2-10	2"	3.6	5
WDH212-10	2.1/2"	3.7	5
WDH3-10	3"	4.1	4
WDH4-10	4"	5.6	3

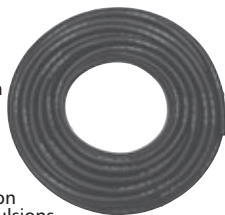
Translucent Green, 30 Metre Coils

Product Code	ID	Wall mm	Max bar
WDH34-30	3/4"	2.4	5
WDH1-30	1"	2.4	5
WDH114-30	1.1/4"	2.6	5
WDH112-30	1.1/2"	3.0	5
WDH2-30	2"	3.6	5
WDH212-30	2.1/2"	3.7	5
WDH3-30	3"	4.1	4
WDH4-30	4"	5.6	3

Rubber Hose, SAE100R6

Temperature Range:
-40°C to +100°C

Tube: smooth oil-resistant



- Reinforcement: fibre spirals
- Cover: black smooth oil- and weather-resistant
- Safety factor: 4:1
- Suitable for hydraulics, lubrication oils, mineral oil, emulsions and water

50 Metre Coils

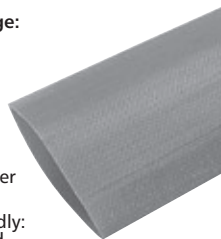
Product Code	ID	OD mm	Max psi
2020-9375	1/4"	12.7	400
2020-9383	5/16"	14.3	400
2020-9391	3/8"	15.9	400
2020-9409	1/2"	19.9	400
2020-9417	5/8"	23.1	350

25 Metre Coils

Product Code	ID	OD mm	Max psi
2020-9425	3/4"	26.3	300
2020-9433	1"	35.0	250

Polyethylene Discharge Hose

Temperature Range:
-70°C to +70°C



- Lightweight: up to 75% lighter than PVC
- Non-toxic: can be used for drinking water
- Non-kinking, environmentally friendly: can be easily re-cycled
- Strong abrasion resistance
- Strong UV resistance
- This product is only suitable for open ended discharge applications only
- Pressure ratings are based on discharge pressure from the pump unit

Per 100 Metres

Product Code	ID	Burst Pressure bar
PELF2	2"	8.00
PELF212	2.1/2"	8.00
PELF3	3"	6.00
PELF4	4"	4.50
PELF5	5"	4.50
PELF6	6"	3.60

Polderflex Wire Reinforced PVC Suction & Delivery Hose

Temperature Range:
-15°C to +60°C
Intermittent to +80°C



- Suitable for when higher pressures are required
- Non-toxic and suitable for the suction and discharge of water, slurry, chemicals, sewage, granules and food products

Clear Wire Reinforced, 20 Metre Coils

Product Code	ID mm	OD mm	Max bar
MASTERPOLDER-102	102	118	5.5

Clear Wire Reinforced, 30 Metre Coils

Product Code	ID mm	OD mm	Max bar
MASTERPOLDER-20	20	27	9
MASTERPOLDER-25	25	33	8.5
MASTERPOLDER-32	32	40	8.5
MASTERPOLDER-38	38	48	8.5
MASTERPOLDER-51	51	63	8
MASTERPOLDER-63	63	75	7
MASTERPOLDER-76	76	92	6

Wire Reinforced Suction Hose

Temperature Range:
-15°C to +65°C



- Vacuum: 711mm Hg = 94% at 20°C
- Clear PVC reinforced with a tensile steel helix
- Suitable for the suction and discharge of water, slurry, chemicals, sewage, granules and other waste materials; can also be used for suction and discharge of foodstuffs
- Pressures: values given are based on the short term burst pressure of the hose at 20°C based on a 3:1 safety factor

Note: any increase in temperature above 20°C will result in a decline in working pressure values

- Chemical resistance: resistant to most oxidising and reducing agents and diluted acids and alkalis

For more detailed information please contact technical sales.

Now FDA approved.

Clear with Blue Wire Spiral, 10 Metre Coils

Product Code	ID	Wall mm	Max bar
FX075-10	3/4"	3.4	7.0
FX100-10	1"	4.0	6.0
FX125-10	1.1/4"	4.8	5.0
FX150-10	1.1/2"	5.5	5.0
FX200-10	2"	7.0	5.0
FX250-10	2.1/2"	7.0	5.0
FX300-10	3"	8.0	5.0
FX400-10	4"	8	3.0

Clear with Blue Wire Spiral, 30 Metre Coils

Product Code	ID	Wall mm	Max bar
FX050-30	1/2"	3.0	6.0
FX075-30	3/4"	3.4	7.0
FX100-30	1"	4.0	6.0
FX125-30	1.1/4"	4.8	5.0
FX150-30	1.1/2"	5.5	5.0
FX200-30	2"	7.0	5.0
FX250-30	2.1/2"	7.0	5.0
FX300-30	3"	8.0	5.0
FX400-30	4"	8	3.0



CLAMPS & HOSE CLIPS

Hose Clips

- Precision engineered for quality, Jubilee clips are Kitemark approved to BS 5315:1991 and manufactured under the BS EN ISO 9002 quality system accepted by the British Standards Institution
- The mild steel range is zinc plated for corrosion resistance and the stainless steel range is all 304 (A2) material



Request Tech-Sheet No. 591 for Technical Information.

Mild Steel

Product Code	Size	Min mm	Max mm
000-MS	000	9.5	12
M00-MS	M00	11	16
00-MS	00	13	20
0-MS	0	16	22
OX-MS	OX	18	25
1A-MS	1A	22	30
1-MS	1	25	35
1X-MS	1X	30	40
1M-MS	1M	32	45
2A-MS	2A	35	50
2-MS	2	40	55
2X-MS	2X	45	60
3-MS	3	55	70
3X-MS	3X	60	80
4-MS	4	70	90
4X-MS	4X	85	100
5-MS	5	90	120
6-MS	6	110	140
6X-MS	6X	120	150
7-MS	7	135	165
71/2-MS	71/2	158	190
81/2-MS	81/2	184	216
91/2-MS	91/2	210	242
101/2-MS	101/2	235	267
111/2-MS	111/2	260	292
121/2-MS	121/2	286	318

Boxed Mild Steel, 10 Clips per Box

Product Code	Size	Min mm	Max mm
000-MS-BOX	000	9.5	12
M00-MS-BOX	M00	11	16
00-MS-BOX	00	13	20
0-MS-BOX	0	16	22
OX-MS-BOX	OX	18	25
1A-MS-BOX	1A	22	30
1-MS-BOX	1	25	35
1X-MS-BOX	1X	30	40
1M-MS-BOX	1M	32	45
2A-MS-BOX	2A	35	50
2-MS-BOX	2	40	55
2X-MS-BOX	2X	45	60
3-MS-BOX	3	55	70

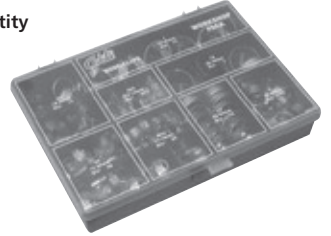
304 Stainless Steel

Product Code	Size	Min mm	Max mm
000-SS	000	9.5	12
M00-SS	M00	11	16
00-SS	00	13	20
0-SS	0	16	22
OX-SS	OX	18	25
1A-SS	1A	22	30
1-SS	1	25	35
1X-SS	1X	30	40
1M-SS	1M	32	45
2A-SS	2A	35	50
2-SS	2	40	55
2X-SS	2X	45	60
3-SS	3	55	70
3X-SS	3X	60	80
4-SS	4	70	90
4X-SS	4X	85	100
5-SS	5	90	120
6-SS	6	110	140
6X-SS	6X	120	150
7-SS	7	135	165
71/2-SS	71/2	158	190
81/2-SS	81/2	184	216
91/2-SS	91/2	210	242
101/2-SS	101/2	235	267
121/2-SS	121/2	286	318

Workshop Pack

- Assorted Jubilee mild steel clips in a plastic reusable box

Contents:	Size	Quantity
	000	24
	M00	32
	00	28
	0	13
	OX	14
	1A	12
	1	13
	1X	7



Product Code

HCP143

Junior Assortment Pack

- 165 assorted nut and bolt clips (for use on small bore hoses) in a plastic re-usable box

Contents:	Size	Quantity
	07-09mm	25
	08-10mm	25
	09-11mm	25
	10-12mm	30
	11-13mm	30
	12-14mm	30

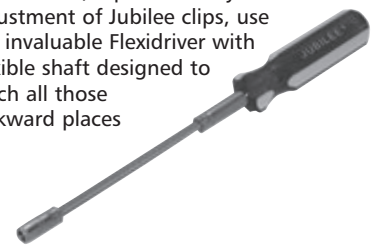


Product Code

JA165

Flexidriver

- For efficient, rapid and easy adjustment of Jubilee clips, use the invaluable Flexidriver with flexible shaft designed to reach all those awkward places



Product Code

2025-3779

Hexagon Clipdrivers



Product Code	Length mm
2025-3753	95
2025-3761	160

Superclamps

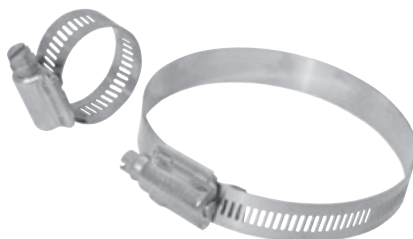


- Heavy duty Jubilee Superclamps for use on delivery hoses
- Material: mild steel zinc plated/yellow passivated
- Stainless steel 316 (A4) available by special order

Request Tech-Sheet No. 590 for Technical Information.

Product Code	Min mm	Max mm
JSC19	17	19
JSC22	20	22
JSC25	23	25
JSC28	26	28
JSC31	29	31
JSC35	32	35
JSC39	36	39
JSC43	40	43
JSC47	44	47
JSC51	48	51
JSC55	52	55
JSC59	56	59
JSC63	60	63
JSC67	64	67
JSC73	68	73
JSC79	74	79
JSC85	80	85
JSC91	86	91
JSC97	92	97
JSC103	98	103
JSC112	104	112
JSC121	113	121
JSC130	122	130
JSC139	131	139
JSC148	140	148
JSC161	149	161
JSC174	162	174
JSC187	175	187
JSC200	188	200
JSC213	201	213
JSC226	214	226
JSC239	227	239

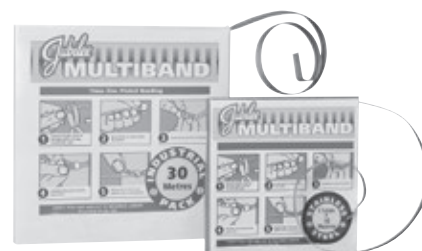
Stainless Steel High Torque Hose Clips



- Jubilee high torque clips for applications that require additional high levels of tightening torque; twice the tightening torque of standard worm drive clips
- Recommended tightening torque 17Nm (150lb in)
- All stainless steel construction

Product Code	Min mm	Max mm
JHT35	20	35
JHT40	25	40
JHT45	25	45
JHT50	30	50
JHT70	40	70
JHT80	60	80
JHT95	70	95
JHT100	80	100
JHT120	90	120
JHT140	110	140
JHT160	130	160
JHT180	150	180
JHT200	170	200
JHT220	190	220
JHT240	210	240
JHT260	230	260
JHT280	250	280
JHT300	270	300
JHT320	290	320
JHT340	310	340
JHT360	330	360
JHT380	350	380
JHT400	370	400
JHT420	390	420
JHT440	410	440
JHT480	450	480
JHT500	470	500

Multiband



- Mild steel, zinc plated
- Construct your own fastener – cut to size and choose from a choice of standard slotted screw, captive screw or flip-lock screw, on 7mm stainless steel only
- Banding also available in 11mm mild steel zinc plated, 11mm stainless steel (304) and 7mm stainless steel (304)

10 Metre Lengths

Product Code

2025-3720

30 Metre Lengths

Product Code

2025-3738

25 Sets Housing & Screws



Product Code

2025-3746

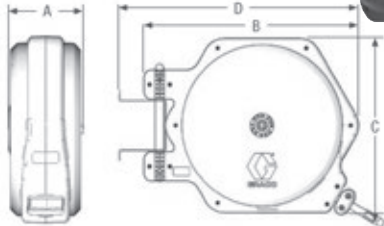
**FOR CAM & GROOVE COUPLINGS,
SEE SECTION 8**



HOSE REELS

LD Enclosed

- Designed for light-duty applications
- Enclosed for safety and protection, extends hose life
- Flexible mounting options-hang on wall or ceiling; bench, table or tank top-mount options available
- Full-flow swivel maximizes fluid flow with minimal pressure drop
- Easy spring tension adjustment, increase or decrease pressure spring tension while reel is pressurized



Dimensions:
 A = 180 mm (7.1 in)
 B = 585 mm (23.0 in)
 C = 470 mm (18.5 in)
 D = 650 mm (25.6 in)

Wall Mount Swivel with Inlet Kit

Product Code	Fluid	Hose ID	Hose Length (mtr)
BSPP (G) BSPT (R) NPT			
24J258	Air	1/4"	11
24J259	Air	1/4"	15
24J260	Air/Water	3/8"	11
24J261	Air/Water	3/8"	15
24J262	Air/Water	1/2"	11
24J263	Air/Water	1/2"	14
24J264	Oil	3/8"	11
24J265	Oil	1/2"	11
24J266	Grease	1/4"	11

Wall Mount Fixed with Inlet Kit

Product Code	Fluid	Hose ID	Hose Length (mtr)
BSPP (G) BSPT (R) NPT			
24J267	Air	1/4"	11
24J268	Air	1/4"	15
24J269	Air/Water	3/8"	11
24J270	Air/Water	3/8"	15
24J271	Air/Water	1/2"	11
24J272	Air/Water	1/2"	14
24J273	Oil	3/8"	11
24J274	Oil	1/2"	11
24J275	Grease	1/4"	11

Bench Mount Swivel with Inlet Kit

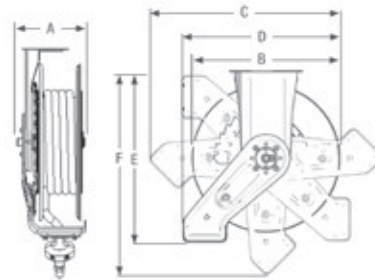
Product Code	Fluid	Hose ID	Hose Length (mtr)
BSPP (G) BSPT (R) NPT			
24J276	Air	1/4"	11
24J277	Air	1/4"	15
24J278	Air/Water	3/8"	11
24J279	Air/Water	3/8"	15
24J280	Air/Water	1/2"	11
24J281	Air/Water	1/2"	14
24J282	Oil	3/8"	11
24J283	Oil	1/2"	11
24J284	Grease	1/4"	11

Wall Mount Swivel without Inlet Kit

Product Code	Fluid	Hose ID	Hose Length (mtr)
BSPT (R)			
HEL13D	Air	1/4"	11
HEL15D	Air	1/4"	15
HEL23D	Air/Water	3/8"	11
HEL25D	Air/Water	3/8"	15
HEL33D	Air/Water	1/2"	11
HEL34D	Oil	3/8"	11
HEM13D	Oil	1/2"	11
HEM33D	Grease	1/4"	11

SD Steel Spool

- Designed for daily use applications such as dealerships, fleet service and maintenance facilities
- Structurally engineered frame made from high strength steel won't bend or flex
- Long-lasting spring provides constant spring torque through the entire range of motion
- Flexible positioning of guide arm for mounting on bench or ceiling, wall or utility truck
- Steel spool for demanding applications
- Open swivel ports ensure high fluid flow with minimal pressure loss
- Enclosure kits available-ideal when appearance and protection is important
- Available in six colours. Metallic blue is standard.



Dimensions:
 SD SERIES SIZE 10
 A = 177 mm (7.0 in)
 B = 412 mm (16.2 in)
 C = 533 mm (21.0 in)
 D = 435 mm (17.1 in)
 E = 495 mm (19.5 in)
 F = 571 mm (22.5 in)

SD SERIES SIZE 20
 A = 177 mm (7.0 in)
 B = 460 mm (18.1 in)
 C = 594 mm (23.4 in)
 D = 488 mm (19.2 in)
 E = 554 mm (21.8 in)
 F = 640 mm (25.2 in)



SD10, Metallic Blue

Product Code	Fluid	Hose ID	Hose Length (mtr)
BSPP (G) BSPT (R) NPT			
HPL2DK	Air/Water	No	No
HPL23K	Air/Water	3/8"	11
HPL25K	Air/Water	3/8"	15
HPL33K	Air/Water	1/2"	11
HPM3BK	Oil	No	No
HPM33K	Oil	1/2"	11
HPH1DK	Grease	No	No
HPH15K	Grease	1/4"	15
HPH23K	Grease	3/8"	11

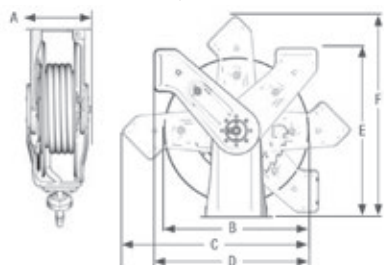
SD20, Metallic Blue

Product Code	Fluid	Hose ID	Hose Length (mtr)
BSPP (G) BSPT (R) NPT			
HPL6DK	Air/Water	No	No
HPL56K	Air/Water	3/8"	20
HPL65K	Air/Water	1/2"	15
HPM6DK	Oil	No	No
HPM65K	Oil	1/2"	15
HPH5DK	Grease	No	No
HPH55K	Grease	3/8"	15

Also available in the following colours: Red, Black, Yellow and White.

XD Series

- Designed for robust/heavy-duty applications such as mobile lube trucks or large equipment service, yet with a narrow footprint to fit more reels into small spaces
- Dual pedestal frame provides increased strength for extreme-duty applications
- Long lasting spring is sealed for protection against the weather
- Durable steel spool rides on sealed roller bearings to ensure trouble-free performance
- Available in four colours. Metallic blue is standard.
- Available with arms removed for bulkhead mounting

NEW


Dimensions:

XD SERIES SIZE 10

 A = 196 mm (7.5 in)
 B = 412 mm (16.2 in)
 C = 533 mm (21.0 in)
 D = 457 mm (18.0 in)
 E = 470 mm (18.5 in)
 F = 571 mm (22.5 in)

XD SERIES SIZE 20

 A = 196 mm (7.5 in)
 B = 460 mm (18.1 in)
 C = 594 mm (23.4 in)
 D = 508 mm (20.0 in)
 E = 533 mm (21.0 in)
 F = 640 mm (25.2 in)


XD SERIES SIZE 30

 A = 229 mm (9.0 in)
 B = 546.00 mm (21.50 in)
 C = 659.45 mm (25.96 in)
 D = 561.73 mm (22.12 in)
 E = 588.00 mm (23.10 in)
 F = 700.82 mm (27.60 in)

XD10, Metallic Blue

Product Code	Fluid	Hose ID	Hose Length (mtr)
BSP (G) BSPT (R) NPT			
HSL2DK HSL2DK HSL2DB	Air/Water	No	No
HSL25K HSL25R HSL25B	Air/Water	3/8"	15
HSL33K HSL33R HSL33B	Air/Water	1/2"	11
HSM3BK HSM3BK HSM3BB	Oil	No	No
HSM33K HSM33R HSM33B	Oil	1/2"	11
HSH1DK HSH1DK HSH1DB	Grease	No	No
HSH15K HSH15R HSH15B	Grease	1/4"	15

XD20, Metallic Blue

Product Code	Fluid	Hose ID	Hose Length (mtr)
BSP (G) BSPT (R) NPT			
HSL6DK HSL6DK HSL6DB	Air/Water	No	No
HSL56K HSL56R HSL56B	Air/Water	3/8"	20
HSL65K HSL65R HSL65B	Air/Water	1/2"	15
HSM6DK HSM6DK HSM6DB	Oil	No	No
HSM65K HSM65R HSM65B	Oil	1/2"	15
HSH5DK HSH5DK HSH5DB	Grease	No	No
HSH55K HSH55R HSH55B	Grease	3/8"	15

XD30, Metallic Blue

Product Code	Fluid	Hose ID	Hose Length (mtr)
NPT			
HSLC8B	Air/Water	1/2"	23
HSLD5B	Air/Water	3/4"	15
HSMCFB	Oil	No	No
HSMDDB	Oil	No	No
HSMC8B	Oil	1/2"	23
HSMDD5B	Oil	3/4"	15
HSHCDB	Grease	No	No
HSHC5B	Grease	1/2"	15
HSHFFB	Pressure Wash	No	No
HSPB8B	Pressure Wash	3/8"	23
HSLE3B	Fuel	1"	9

Also available in the following colours: Red, Black, Yellow and White.

Standard Series Hose reels

- For wall, ceiling and floor mounting
- The steel case has four guide rollers to protect the hose
- Internal ratchet for locking hose
- 1000 mm inlet hose the same diameter as the outlet hose

NEW


GE82009



GE82115

Cased Reels for Oil

Product Code	Description
GE82009	c/w 9 mtrs 1/2" Hose with Male 1/2" BSP ends, SWP 138 bar (2000 psi), Fixed Bracket
GE82115	c/w 15 mtrs 1/2" Hose with 1/2" BSP ends, SWP 138 bar (2000 psi), Swivel Bracket

- For wall ceiling and floor mounting
- Heavy duty spring driven double arm hose reel
- Carbon steel bracket is corrosion resistant powder coating
- Internal ratchet for locking hose
- Inlet hose can be supplied on request


NEW

Large Heavy Duty Reels for Diesel, Air & Oil

Product Code	Description
GE85020	c/w 20 mtrs 3/4" Hose with Male 3/4 BSP ends, SWP 87 bar (1260 psi)
GE85015	c/w 15 mtrs 1" Hose with Male 1" BSP ends, SWP 69 bar (1000 psi)
GE85030	c/w 30 mtrs 1/2" Hose with Male 1/2" BSP ends, SWP 38 bar (2000 psi)

- For wall, ceiling and floor mounting
- Drum is made of high quality ABS with high impact resistance
- Carbon steel bracket covered in corrosion-resistant powder coating
- Double arm hose support with four guide rollers
- Internal ratchet for locking hose
- Reel comes with a 1000 mm inlet hose the same diameter as the outlet hose



GE82010



GE83115



GE80000

ABS Series Reels for Air, Oil & Grease

Product Code	Description
GE82010	Oil Reel - c/w 10 mtrs 1/2" Hose with Male 1/2" BSP, SWP 138 bar (2000 psi)
GE82015	Oil Reel - c/w 15 mtrs 1/2" Hose with Male 1/2" BSP ends, SWP 138 bar (2000 psi)
GE84110	Grease Reel - c/w 10 mtrs Hose with Male 1/4" BSP ends, SWP 345 bar (5000 psi)
GE83115	Water & Air Reel - c/w 15 mtrs 3/8" Rubber Air Hose with Male 3/8" BSP ends, SWP 20 bar (290 psi)
GE80000	Swivel Bracket for above Reels

CONAH HOSE REELS

Air & Water Hose Reels

- Reinforced PU hose
- Tough impact resistant polypropylene construction
- 180° swivel
- Self-layering hose guide for perfectly even hose rewinding
- Speed-controlled return spring
- Auto-locking mechanism allows easy use of hose at any length
- Lightweight

NEW

Max. Working Pressure:
17 bar



10 Metre Hose Length

Product Code	I.D.	Inlet BSPT	Outlet BSPT
ZA04-10B	3/8"	1/4"	1/4"

NEW

Max. Working Pressure:
17 bar



15 Metre Hose Length

Product Code	I.D.	Inlet BSPT	Outlet BSPT
ZA05-15	3/8"	1/4"	1/4"
ZA05-15-38	3/8"	3/8"	3/8"

NEW

Max. Working Pressure:
17 bar



20 Metre Hose Length

Product Code	I.D.	Inlet BSPT	Outlet BSPT
ZA05-20B	1/2"	3/8"	3/8"
ZA05-20B-12	1/2"	1/2"	1/2"

Air Hose Reel

- Reinforced PVC hose
- Tough Impact resistant polypropylene construction
- 180° swivel
- Self-layering hose guide for perfectly even hose rewinding
- Speed-controlled return spring
- Auto-locking mechanism allows easy use of hose at any length
- Carry handle
- Lightweight

NEW

Max. Working Pressure:
12 bar



9 Metre Hose Length

Product Code	I.D.	Inlet BSPT	Outlet BSPT
ZA02-9	5/16"	1/4"	1/4"

Mountable Steel Air Hose Reel

- Heavy ribbed steel plate to ensure strong support
- Spring located in the middle to ensure stability
- Four direction non-sag rollers to reduce hose wear abrasion
- Adjustable guide arm for multi position mounting
- Special swivel joint for easy maintenance and repair
- Ball bearing swivel joint structure, largely reducing friction

NEW



Rubber Air Hose, Spring Rewind, 1/2"

Product Code	Description
SAHR-15-12	15m, 1/2" Rubber Air Hose, 1/2" BSPT Connections
SAHR-15N-12	No Hose, Capacity 15m 1/2" Rubber Hose

NEW

 Max. Working Pressure: 28 bar



R6, Spring Rewind, 1/2"

Product Code	Description
SAHR-15-12SR608F	15m, 1/2" BSPP Brass Female

NEW

Hi-Vis, Spring Rewind, 1/2"

Product Code	Description
SAHR-20-12SHV06T	20m, 3/8" BSPT Brass Male

NEW



Spring Rewind, 3/4"

Product Code	Description
SAHR-40N-34	No Hose, Capacity 40m, 3/4" Rubber Hose

Mountable Stainless Steel Hose Reels

- All stainless steel 304 spring rewind hose reels are designed for harsh, corrosive environments or where hygiene is of primary importance
- Ideally suited for wash down applications in food processing, also for marine and offshore application
- All stainless steel swivel assemblies with PTFE washer and viton O-ring for high pressure and high temperature
- Spring fully enclosed and lubricated
- Guide arm adjustable for handling up to 6 positions
- Multi-position ratchet lock keeps hose at desired length


NEW



No Hose, Spring Rewind, 3/8"

Product Code	Description
SSHR-15N-38	No Hose, 15m Capacity, 3/8" BSP Outlet

NEW

 Max. Working Pressure: 175 bar



Blue 1 Wire Pressure Wash, Spring Rewind, 3/8"

Product Code	Description
SSHR-15-38SB106F	15m, 3/8" BSP Female Outlet

NEW

 Max. Working Pressure: 20 bar



Hi-Vis Air & Water, Spring Rewind, 3/8"

Product Code	Description
SSHR-15-38SHV06T	15m, 3/8" BSPT Outlet
SSHR-15-38SHV08T	15m, 1/2" BSPT Outlet

NEW

 Max. Working Pressure: 10 bar



Non Marking Wash Down Hose, Spring Rewind, 1/2"

Product Code	Description
SSHR-15-12SWD08T	15m, 1/2" BSPT Outlet

DRUM WRENCH, PTFE & BLOW GUNS

Drum Wrench, Universal



Product Code
DW-WRENCH

PTFE Thread Sealing Tape



To BS4375

Product Code	Description
PTFE	0.075mm x 1/2" x 10m x 0.24g/cm ²
PTF-40	0.100mm x 1/2" x 10m x 0.40g/cm ²
PTF-80	0.100mm x 19mm x 10m x 0.80g/cm ²

Air Blow Gun



NEW

- Lightweight aluminium construction
- Adjustable airflow controlled by trigger
- Suitable for use with air, water and cleaning degreasers

BSPT Male

Product Code	Thread
DG-10	1/4"

Extended Air Blow Guns



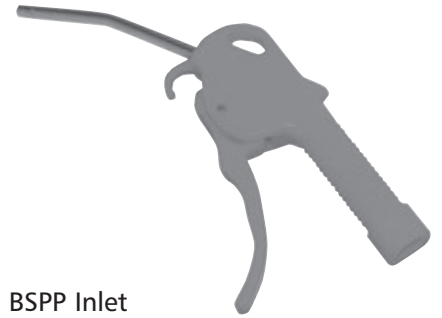
NEW

- Plastic air inlet and body, steel nozzle
- Thread: 1/4"
- BSPT Female
- Max. Pressure: 6 bar

Air Blow Guns

Product Code	Length
LD04-1	4"
LD10-1	10"
LD13-1	13"
LD20-1	20"
LD40-1	40"

Air Blow Guns



BSPP Inlet

Product Code	Connection
BG5	1/4"

Universal Blow Gun

NEW



Fluid Carried: compressed air
Maximum Flow Pressure: 10 bar
Safety Pressure at 6 bar: 0,5 bar
Output at 6 bar: 255 Nl/min
Force of Air Jet at 6 bar:
0,145 daN
Noise Level
(Norm. NFS 31 031): 83,3 dbA

Dynamic Safety Blow Gun

Product Code	Thread
LE-0654 00 13	G1/4

ENGINEERS TOOLS

Cable Cutters

NEW



- Hardened and tempered blades ideal for cutting up to 12mm cable. High leverage compound action handles with moulded PVC grips.

Product Code	Length mm
TOOL-245050	350
TOOL-456997	600

Bolt Croppers

NEW



- Will cut hardened steel up to 40 HRC. High leverage compound action, jaws hardened to 58-61 HRC.

Product Code	Length mm
TOOL-CT19	300
TOOL-CT21	450
TOOL-CT22	600
TOOL-CT23	900

Letter & Number Stamp Set

NEW



- 36 piece letter and number set. Hardened and tempered. Wooden storage box.

Product Code	Description
TOOL-273197	5mm Letters

FOR FILTER REGULATORS, SEE SECTION 10



PLUMBERS' TOOLS

Pipe Benders

NEW



Industrial Microbenders

Product Code	Tube Capacity
2017-2367	6, 8, & 10mm, 1/4", 5/16", 3/8"

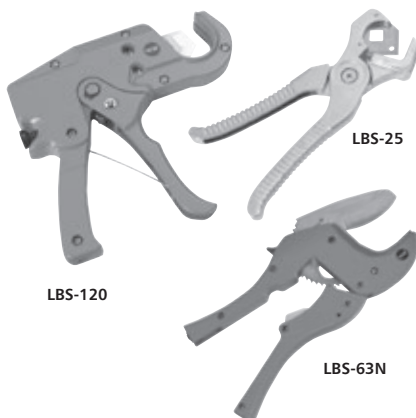
DIY Duty

Product Code	For Copper Pipe
TOOL-MS129	1/4", 5/16", 3/8" O.D.

Heavy Duty Pipe Bender and Guides

Product Code	Description
TOOL-MS124	Pipe Bender
TOOL-MS124/15	15mm Guides
TOOL-MS124/22	22mm Guides

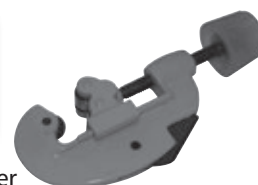
Tube/Hose Cutters



Product Code	OD mm
LBS-25	3mm-25mm
LBS-120	6mm-35mm
LBS-63N	6mm-63mm

Copper Tube Cutters

NEW



Standard Cutter

Product Code	Description
CTC1	For 3-28mm Tube

NEW



Mini Cutter

Product Code	Description
CTC2	For 3-16mm Tube

IBC OFF LOAD SYSTEM

IBC Off Load System

NEW



Cam Male Adaptor x
Female Thread - Part A

Product Code	Size	Thread
IBCAS6062	2"	S60 x 6
IBCAS606112	1.1/2"	S60 x 6
IBCAS6061	1"	S60 x 6
IBCA2NPS	2"	NPSM
IBCAS10083	3"	S100 x 8

NEW



Cam Female Coupler x
Hose Tail - Part C

Product Code	Size	To Suit Hose I.D.
IBCC21	2"	1" (25mm)
IBCC2114	2"	1.1/4" (32mm)
IBCC2112	2"	1.1/2" (38mm)
IBCC22	2"	2" (50mm)
IBCC33	3"	3" (75mm)

NEW



Female Thread x
Female Thread - Part HD

Product Code	Size
IBCHDS6062BSP	2" BSPP x S60 x 6
IBCHDS606112BSP	1.1/2" BSPP x S60 x 6
IBCHDS6062NPS	2" NPSM x S60 x 6

NEW



Fixed Male Thread x
Female Thread - Part HA

Product Code	Male Thread	Female Thread
IBCHAS6062BSP	2" BSPP	S60 x 6
IBCHAS606112BSP	1.1/2" BSPP	S60 x 6
IBCHAS6061BSP	1" BSPP	S60 x 6
IBCHAS60X34BSP	3/4" BSPP	S60 x 6
IBCHAS6062NPS	2" NPSM	S60 x 6
IBCHAS10083	3" BSPP	S100 x 8
IBCHAS606S1008	S60 x 6	S100 x 8
IBCHAS606NPSM2	S60 x 6	2" NPSM
IBCHAS6062BSPCWS	S60 x 6	2" BSPP with Seal

NEW



Female Coupler x
Female Thread - Part D

Product Code	Size	Thread
IBCD112112BSP	1.1/2"	1.1/2" BSPP
IBCD22BSP	2"	2" BSPP
IBCD56062	2"	S60 x 6

NEW



Dust Plug

Product Code	Size
IBCDP112	1.1/2"
IBCDP2	2"

NEW



Swivel Hose Tail x
Female Thread - Part HC

Product Code	To Suit Hose I.D.	Thread
IBCHCS6061	1" (25mm)	S60 x 6
IBCHCS606114	1.1/4" (32mm)	S60 x 6
IBCHCS606112	1.1/2" (38mm)	S60 x 6
IBCHCS6062	2" (50mm)	S60 x 6

NEW



Dust Cap

Product Code	Size
IBCDC112	1.1/2"
IBCDC2	2"
IBCDC3	3"

COMPONENTS FOR LUBE-COOL SYSTEMS

The Lube-Cool system is British made and manufactured from the acclaimed Dupont Delrin Polymer. Resistant to most coolants, many chemicals and petroleum products, the system is designed for easy installation, maximum configuration and can be located by hand. Stays in position once it has been set.

Lube-Cool



Knuckle Joint

Product Code	Size
BH14-1	1/4"
BH12-1	1/2"



10 Piece Knuckle Set

Product Code	Size
BH14-10	1/4"
BH12-10	1/2"



Round Nozzle

Product Code	Nozzle Hole	Size
BH14-RJ1	1/16"	1/4"
BH14-RJ2	1/8"	1/4"
BH14-RJ3	3/16"	1/4"
BH14-RJ4	1/4"	1/4"
BH12-RJ1	3/8"	1/2"
BH12-RJ2	1/2"	1/2"



Connector

Product Code	Connection	Size
BH14-HC1	1/8"	1/4"
BH14-HC2	1/4"	1/4"
BH12-HC1	3/8"	1/2"
BH12-HC2	1/2"	1/2"



Y Junction

Product Code	Size
BH14-YJ	1/4"
BH12-YJ	1/2"



Y Reducer
1/2"-1/4"

Product Code
BH12-YR



Reducer Module
1/2"-1/4"

Product Code
BH12-RM



Flare Jet

Product Code	Nozzle Width	Size
BH14-FJ2	1.1/4"	1/4"
BH12-FJ2	2.1/4"	1/2"
BH12-FJ1	1.3/4"	1/2"



Flare Jet Assembly

Product Code	Length mm	Size
BH14-FJA2	200	1/4"
BH14-FJA5	350	1/4"
BH12-FJA1	200	1/2"
BH12-FJA2	300	1/2"
BH12-FJA3	400	1/2"



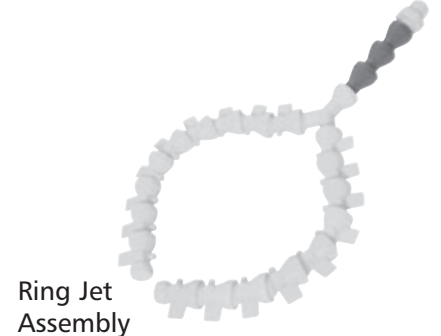
Round Jet Assembly

Product Code	Length mm	Size
BH14-RJA1	150	1/4"
BH14-RJA2	200	1/4"
BH14-RJA3	250	1/4"
BH14-RJA4	300	1/4"
BH14-RJA5	350	1/4"
BH12-RJA1	200	1/2"
BH12-RJA2	300	1/2"
BH12-RJA3	400	1/2"



Ring Jet Module

Product Code	Size
BH14-RJM	1/4"
BH12-RJM	1/2"



Ring Jet Assembly

Product Code	Connection
BH14-CJA	1/4"
BH12-CJA	1/2"



Ring Jet Plug

Product Code	Size
BH14-RJP	1/4"
BH12-RJP	1/2"



Assembly Tool

Product Code	Size
CL14-T	1/4"
CL12-T	1/2"

FOR FITTINGS, SEE SECTION 9



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G63-120BG	119	GE-12S-18MEO	152	GE-8L-18MPB	152	GEV15LMD	128	GEV35LRWD	128	GR-12S-6S	154	GT21/06KNP	110
G63-120RG	119	GE-12S-18MPB	152	GE-8L-2EO	152	GEV15LR	127	GEV38S11/2NPT	128	GR-12S-8S	154	GT21/08K	110
G63-200BG	119	GE-12S-22MPB	152	GE-8L-4EO	152	GEV15LR3/4	127	GEV38SM	127	GR-14S-10S	154	GT21/08KNP	110
G63-200RG	119	GE-12S-4N	152	GE-8L-4N	152	GEV15LR3/8	127	GEV38SMWD	128	GR-14S-12S	154	GT21/09	110
G63-250BG	119	GE-12S-4N	152	GE-8L-4RT	152	GEV15LR3/8FOA	127	GEV38SR	127	GR-15L-10L	154	GT21/09K	110
G63-250RG	119	GE-12S-6EO	152	GE-8L-6EO	152	GEV15LR3/8WD	128	GEV38SR11/4	127	GR-15L-12L	154	GT21/09KNP	110
G63-400BG	119	GE-12S-6N	152	GE-8S-14MEO	152	GEV15LRFOA	127	GEV38SR11/4FOA	127	GR-16S-15A	154	GT21/13	110
G63-400RG	119	GE-12S-8EO	152	GE-8S-14MPB	152	GEV15LRK	127	GEV38SR1FOA	127	GR-16S-14S	154	GT21/13K	110
G63-600BG	119	GE-12S-8N	152	GE-8S-4EO	152	GEV15LRWD	128	GEV38SRFOA	127	GR-18L-10L	154	GT21/13KNP	110
G63-600RG	119	GE13020	90	GE-8S-4N	152	GEV16S1/2NPT	128	GEV38SRWD	128	GR-18L-12L	154	GT21/16K	110
G6-UL	154	GE13050	91	GE-8S-6EO	152	GEV16S3/4-16UNF	129	GEV42L11/2NPT	128	GR-18L-15L	154	GT21/16KNP	110
G6-US	154	GE-14S-20MEO	152	GEV10L1/4NPT	128	GEV16S7/8-14UNF	129	GEV42L15/8-12UN	129	GR-20S-10S	154	GT21/19K	110
G8	15	GE-14S-20MPB	152	GEV10L3/8NPT	128	GEV16SM	127	GEV42LM	127	GR-20S-12S	154	GT21/19KNP	110
G8-UL	154	GE-14S-8EO	152	GEV10L7/16-20UNF	129	GEV16SM18X1.5	127	GEV42LR	127	GR-20S-16S	154	GT21/25K	110
G8-US	154	GE-14S-8N	152	GEV10L9/16-18UNF	129	GEV16SMWD	128	GEV42LRWD	128	GR-22L-12L	154	GT21/25KNP	110
GA70003	96	GE-15L-16MPB	152	GEV10LM	127	GEV16SR	127	GEV42LRK	128	GR-22L-15L	154	GT26/09K	110
GA70004	96	GE-15L-18MEO	152	GEV10LM16X1.5	127	GEV16SR3/4	127	GEV44L1/8NPT1.45	151	GR-22L-18L	154	GT26/09KNP	110
GA71001	97	GE-15L-18MPB	152	GEV10LM18X1.5	127	GEV16SR3/4FOA	127	GEV44LR1.4571	151	GR-25S-16S	154	GT26/13	110
GA72020	96	GE-15L-22MEO	152	GEV10LM22X1.5	127	GEV16SR3/4WD	128	GEV44LRK	127	GR-25S-20S	154	GT26/13K	110
GA90001	96	GE-15L-22MPB	152	GEV10LMWD	128	GEV16SR3/8	127	GEV44LRK1.4571	151	GR-28L-18L	154	GT26/13KNP	110
GA90002	96	GE-15L-6EO	152	GEV10LR	127	GEV16SR3/8FOA	127	GEV6L1/4NPT	128	GR-28L-22L	154	GT26/16	110
GA90003	96	GE-15L-6RT	152	GEV10LR1/2	127	GEV16SR3/8WD	128	GEV6L1/8NPT	128	GR-8L-6L	154	GT26/16K	110
GA90004	96	GE-15L-8EO	152	GEV10LR1/2FOA	127	GEV16SRFOA	127	GEV6L1/8NPT	128	GR-8S-6S	154	GT26/16KNP	110
GA90045	97	GE-15L-8N	152	GEV10LR1/2WD	128	GEV16SRWD	128	GEV6L1/8NPT1.45	151	GSV10L	131	GT26/19	110
GA90070	97	GE-15L-8RT	152	GEV10LR3/8	127	GEV18L1/2NPT	128	GEV6LLR-1.4571	151	GSV10S	131	GT26/19K	110
GA90145	96	GE-16S-12EO	152	GEV10LR3/8FOA	127	GEV18L3/4-16UNF	129	GEV6LLRK	127	GSV12L	131	GT26/19KNP	110
GA90170	96	GE-16S-18MPB	152	GEV10LR3/8K	127	GEV18L7/8-14UNF	129	GEV6LLRK-1.4571	151	GSV12S	131	GT26/25K	110
GAI-10L-4RG	153	GE-16S-22MEO	152	GEV10LR3/8WD	128	GEV18LM	127	GEV6LM12X1.5	127	GSV14S	131	GT26/25KNP	110
GAI-10L-6RG	153	GE-16S-22MPB	152	GEV10LRFOA	127	GEV18LM18X1.5	127	GEV6LMWD	128	GSV15L	131	GT33/13K	110
GAI-10L-8RG	153	GE-16S-6EO	152	GEV10LRK	128	GEV18LM18X1.5WD	128	GEV6LR	127	GSV16S	131	GT33/13KNP	110
GAI-10S-6RG	153	GE-16S-8EO	152	GEV10LRK	128	GEV18LMWD	128	GEV6LR1/4	127	GSV18L	131	GT33/19K	110
GAI-12L-6RG	153	GE-16S-8N	152	GEV10S1/4NPT	128	GEV18LR	127	GEV6LR1/4FOA	127	GSV20S	131	GT33/19KNP	110
GAI-12L-8RG	153	GE-18L-12EO	152	GEV10S3/8NPT	128	GEV18LR3/4	127	GEV6LR1/4WD	128	GSV22L	131	GT33/25	110
GAI-12S-6RG	153	GE-18L-18MPB	152	GEV10S9/16-18UNF	129	GEV18LR3/4FOA	127	GEV6LR1/8	127	GSV25S	131	GT33/25K	110
GAI-14S-8RG	153	GE-18L-22MEO	152	GEV10SM	127	GEV18LR3/4WD	128	GEV6LR3/8FOA	127	GSV28L	131	GT33/25KNP	110
GAI-15L-8RG	153	GE-18L-22MPB	152	GEV10SMWD	128	GEV18LR3/8	127	GEV6LRFOA	127	GSV30S	131	GT33/31K	110
GAI-16S-8RG	153	GE-18L-8EO	152	GEV10SR	127	GEV18LRFOA	127	GEV6LRWD	128	GSV35L	131	GT33/31KNP	110
GAI-18L-8RG	153	GE-18L-8N	152	GEV10SR1/2	127	GEV18LRWD	128	GEV6SM	127	GSV38S	131	GT42/25K	110
GAI-20S-12RG	153	GE-18L-8RT	152	GEV10SR1/2WD	128	GEV20S11/16-12UN	129	GEV6SMWD	128	GSV42L	131	GT42/25KNP	110
GAI-22L-12RG	153	GE20100	94	GEV10SR1/4	127	GEV20S3/4-16UNF	129	GEV6SR	127	GSV6L	131	GT42/31K	110
GAI-25S-16RG	153	GE20106	94	GEV10SR1/4FOA	127	GEV20S7/8-14UNF	129	GEV6SRWD	128	GSV6S	131	GT42/31KNP	110
GAI-28L-16RG	153	GE20196	94	GEV10SR1/4WD	128	GEV20SM	127	GEV8L1/4NPT	128	GSV8L	131	GT48/38K	110
GAI-6L-2RG	153	GE-20S-12EO	152	GEV10SRFOA	127	GEV20SMWD	128	GEV8L1/16-20UNF	129	GSV8S	131	GT48/38KNP	110
GAI-6S-4RG	153	GE-20S-12N	152	GEV10SRWD	128	GEV20SR	127	GEV8L9/16-18UNF	129	GT05/03	110	GT52/50K	110
GAI-8L-4RG	153	GE-20S-27MEO	152	GEV12L1/2NPT	128	GEV20SR1	127	GEV8L11/8NPT	128	GT05/04	110	GT52/50KNP	110
GAI-8L-6RG	153	GE-20S-27MPB	152	GEV12L1/4NPT	128	GEV20SR1/2	127	GEV8L11/8NPT1.45	151	GT06/04	110	GTB-12-10	24
GAI-8L-8RG	153	GE2122KT	93	GEV12L3/4-16UNF	129	GEV20SR1/2FOA	127	GEV8LLR-1.4571	151	GT10/04	110	GTB-12-25	24
GAI-8S-4RG	153	GE2128KT	93	GEV12L3/8NPT	128	GEV20SRFOA	127	GEV8LLRK	127	GT10/04K	110	GTB-20-10	24
GBH01	3	GE22134	94	GEV12L7/8-14UNF	129	GEV20SRWD	128	GEV8LLRK-1.4571	151	GT10/04KNP	110	GTB-20-25	24
GBH02	3	GE22234	94	GEV12L9/16-18UNF	129	GEV22L11/16-12UN	129	GEV8LM	127	GT10/05K	110	GV10/6L	130
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GE-10L-16MPB	152	GE-28L-16EO	152	GEV12LR1/4WD	128	GEV25SR	127	GEV8S1/4NPT	128	GT13/05K	110	GV16S	131
GE-10L-18MPB	152	GE-28L-16N	152	GEV12LRFOA	127	GEV25SR3/4	127	GEV8SM	127	GT13/05KNP	110	GV18/10L	130
GE-10L-22MPB	152	GE-28L-33MEO	152	GEV12LRK	128	GEV25SR3/4FOA	127	GEV8SMWD	128	GT13/06	110	GV18/12L	130
GE-10L-4EO	152	GE-28L-33MPB	152	GEV12LRWD	128	GEV25SR3/4WD	128	GEV8SR	127	GT13/06K	110	GV18/15L	130
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GE-10L-6N	152	GE559194	94	GEV12S3/8NPT	128	GEV28L1NPT	128	GEV8SRFOA	127	GT13/08KNP	110	GV22/15L	130
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W8	15	WADE-4091/8	142	WADE-MC110/323	140	WADE-MT112	140	WEV12S3/8NPT	129	WG63-14R-160G	120	WV38S	130
W8-UEL	154	WADE-7060	142	WADE-MC110/8	143	WADE-MT115	140	WEV12SMK	129	WG63-14R-16G	120	WV42L	130
W8-UES	154	WADE-7060/3	142	WADE-MC112	140	WADE-MT116	140	WEV12SRK	129	WG63-14R-16G	120	WV44L	130
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WA17	135	WADE-7063	142	WADE-MC112/163	140	WADE-MT123/108	140	WEV14SRK	129	WG63-14R-25G	120	WV6L	130
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WA26	135	WADE-7063/11	142	WADE-MC112/243	140	WADE-WMUN104	141	WEV15LMK	129	WG63-14R-400G	120	WV6LL-1.4571	151
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Lubetec UK Terms & Conditions of Sale

GENERAL

The acceptance of this catalogue includes the acceptance of the following terms and conditions. In the event of your official order containing special printed conditions, it is understood that such conditions are only binding in so far as they are not at variance with the terms and conditions contained herein. No variation to these terms and conditions of sale is permitted unless such variation has been authorised in writing by a Lubetec UK director. Reference herein to goods shall include all goods and services sold to you.

DRAWINGS AND SPECIFICATION

All drawings and specifications, dimensions and weights provided by us are approximate unless otherwise stated. Therefore, we accept no liability for damage or injury arising from any error or omission in the data provided.

DESPATCH

Any times quoted for despatch are from the receipt by Lubetec UK of an order to proceed. Elapsed times of despatch are submitted without liability for delay however occasioned, but every effort will be made to achieve them.

DAMAGE/LOSS IN TRANSIT/NON DELIVERY/LATE DELIVERY

It is your responsibility to inspect the goods promptly on arrival. Any claims for damage, non-delivery, loss in transit or late delivery must be made within **2 days** of the delivery date. When signing for your consignment, it is your responsibility to check that the number of parcels being delivered corresponds with the number of parcels stated on the consignment note. If not, the note should be amended accordingly **before** signature. If the consignment is being delivered later than specified, it is your responsibility to write the time of receipt on the consignment note. If there is any apparent damage to the parcel, it is your responsibility to annotate the consignment note accordingly.

RETURNS AND HANDLING CHARGES

Requests by you to return catalogue goods to us will be accepted subject to a handling charge if all of the following criteria are met:

- i the goods are unused and are sourced from the Lubetec UK catalogue
- ii the goods are in a resalable condition
- iii the goods were invoiced within **10 days** of the date of return
- iv the return must include a completed goods return note with a **Lubetec Invoice Number**.
Goods returned without a returns number will be transferred to our Customer Collection Point and you will be notified to collect the goods within **7 days**.
- v Items returned must be in their original packaging where possible, all instruction manuals and accessories must also be included
- vi single line returns of less than £10 will not be processed.

Handling charges will be levied as follows: Goods invoiced within **10 days** of the date of return will be subject to either a 20% handling charge or £25 whichever is the greater. All goods must be adequately packed and addressed to:

**LUBETEC UK
SPRINGWELL ROAD
LEEDS
LS12 1BH**

ORDER CANCELLATION

If you wish to cancel an item/s this must be sent in writing to us. Once an order is in process we are unable to either amend or cancel the request.

LEGAL CONSTRUCTION

The contract shall in all respects be construed and operated as an English contract and in conformity with English Law.

GOODS SUPPLIED

All goods supplied by us to you remain the property of Lubetec UK until the goods have been paid in full. As a result of our continued commitment to provide goods of the highest quality at the most competitive prices, it may be necessary on occasions to supply goods that will differ from those depicted in this catalogue.

PAYMENT TERMS

Payment terms are strictly **30 days** Nett. If any sum is not paid on the due date for payment, all sums then outstanding from you will immediately become due and payable notwithstanding that such sums would not otherwise be due until a later date.

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