

CPC PLASTIC & BRASS COUPLINGS



46 Table of Contents

New



58 CPC Everis™ BLQ6 Series



49 CPC NS1 Series Non-Spill



59 CPC Everis™ LQ2 Series



50 CPC NS212 Series Non-Spill



60 CPC Everis™ LQ4 Series



51 CPC NS4 Series Non-Spill ABS



62 CPC Everis™ LQ6 Series



52 CPC NS4 Series Non-Spill Polypropylene



64 CPC SMC Series



54 CPC NS6 Series Non-Spill



66 CPC PMC Series



55 CPC NSH Series



68 CPC PMC12 Series



56 CPC Everis™ PLQ2 Series



71 CPC Fuel Line Couplings

New



57 CPC Everis™ PLQ4 Series



72 CPC PLC Series

New



58 CPC Everis™ BLQ2 Series



74 CPC PLC12 Series

New



58 CPC Everis™ BLQ4 Series



76 CPC APC Series

PLASTIC & BRASS COUPLINGS



78 CPC
EFC12 Series



96 CPC
DTLD Series



79 CPC
FFC35 Series



96 CPC
DPC Series



80 CPC
HFC12 Series



97 CPC
Puncture Seal
Series



82 CPC
HFC35 Series



98 CPC
Universal
Dispensing Series



84 CPC
HFC57 Series



99 CPC
BQ45GL Series



86 CPC
MC Series



100 CPC
Fittings &
Accessories



88 CPC
LC Series



101 CPC
Tube & Luer
Fittings



90 CPC
Twin Tube™ Series



105 PARKAIR
Check Valves &
HDPE In-Line
Filters



91 Sixtube™ Series



106 CPC
Modified Products,
Panel Mount
Dimensions



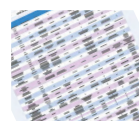
92 CPC
Tentube™ Series

















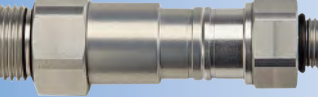










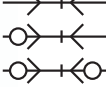
107 Material Options


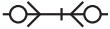

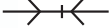
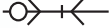

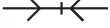
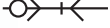
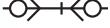

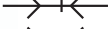
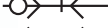
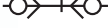

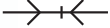
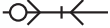
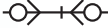

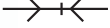
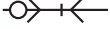
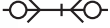

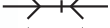
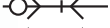
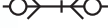

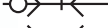
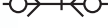

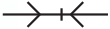

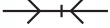
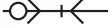
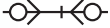
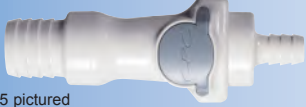
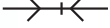
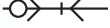
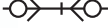
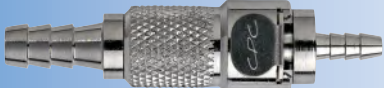
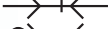
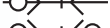


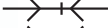
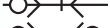



94 CPC
Multi-Mount Series



108 Chemical
Compatibility
Tables

	<p>49 NS1: Smallest plastic non-spill coupling features enable secure connection and drip free disconnect. Material: Glass filled polypropylene, PEEK®, polypropylene Tubing ID Sizes: Microbore to 1/8" (microbore to 3.2 mm)</p>		
	<p>50 NS212: Twist to connect design features non-spill valves designed to provide fast, safe and virtually leak free fluid line connections. Material: Glass filled polypropylene Tubing ID Sizes: 1/8" to 1/4" (3.2 mm to 6.4 mm)</p>		
	<p>51 NS4: Non-spill coupling that virtually eliminates spills, minimises downtime and enhances operator safety. Material: ABS / Glass filled polypropylene Tubing ID Sizes: 1/8" to 3/8" (3.2 mm to 9.5 mm)</p>		
	<p>54 NS6: Durable, yet lightweight construction that features non-spill valves and is compatible with many chemicals. Material: Glass filled polypropylene Tubing ID Sizes: 3/8" to 1/2" (9.5 mm to 12.7 mm)</p>		
	<p>55 NSH: Pressure balanced non-spill design with 100% metal free, spring free flow path. Material: Glass filled polypropylene Tubing ID Sizes: 3/8" to 3/4" (9.5 mm to 19.0 mm)</p>		
<p>New</p>		<p>59 Everis™ BLQ2: Ultra reliable, dripless connections and disconnections that protect valuable electronics. Material: Chrome plated brass Tubing ID Sizes: 1/4" SAE-4</p>	
<p>New</p>		<p>59 Everis™ BLQ4: Ultra reliable, dripless connections and disconnections that protect valuable electronics. Material: Chrome plated brass Tubing ID Sizes: 1/2" SAE-8, 3/8" SAE-6</p>	
<p>New</p>		<p>59 Everis™ BLQ6: Ultra reliable, dripless connections and disconnections that protect valuable electronics. Material: Anodised aluminium Tubing ID Sizes: 1/2", 3/8" SAE-6</p>	
	<p>60 Everis™ LQ2: Liquid cooling non-spill coupling guarantees a secure, reliable connection and dripless disconnect. Material: Chrome plated brass Tubing ID Sizes: 1/4" (6.4 mm ID)</p>		
	<p>62 Everis™ LQ4: Liquid cooling non-spill coupling guarantees a secure, reliable connection and dripless disconnect. Material: Chrome plated brass Tubing ID Sizes: 1/4" to 3/8" (6.4 mm to 9.5 mm)</p>		
	<p>64 Everis™ LQ6: Liquid cooling non-spill coupling guarantees a secure, reliable connection and dripless disconnect. Material: Chrome plated brass Tubing ID Sizes: 3/8" to 1/2" ID (9.5 mm to 12.7 mm ID)</p>		
	<p>66 DTLD: Dual flow couplings for independent or simultaneous connections of loose tube sets. Compatible with all PLC, PLC12 and LC Series Inserts Material: ABS Tubing ID Sizes: 1/4" to 3/8" ID (6.4 mm to 9.5 mm ID)</p>		
	<p>66 DPC: Dual port connection in a contoured design for simultaneous connections and disconnections where two fluid lines are required. Material: Acetal Tubing ID Sizes: 1/4" to 3/8" ID (6.4 mm to 9.5 mm ID)</p>		

	<p>67 Fuel Line: Available in acetal or chrome plated brass, the Viton™ seals are compatible with petrol. Material: Acetal, or chrome plated brass Tubing ID Sizes: 1/4" to 3/8" (6.4 mm to 9.5 mm)</p>	
	<p>68 SMC & SMF1: Twist to connect design provides a reliable and secure alternative to luer type connections. Material: Acetal, polypropylene, polycarbonate, ABS, chrome plated brass Tubing ID Sizes: 1/16" to 1/8" (1.6 mm to 3.2 mm)</p>	 
	<p>70 PMC: Features one hand connection and disconnection and integral terminations; easier to use than ball and sleeve designs. Material: Acetal Tubing ID Sizes: 1/16" to 1/4" (1.6 mm to 6.4 mm)</p>	  
	<p>72 PMC12: Offered with a variety of configurations and chemical resistance for demanding applications; gamma sterilisable. Material: Polypropylene Tubing ID Sizes: Microbore to 1/4" (microbore to 6.4 mm)</p>	  
	<p>76 PLC: Widest selection of sizes and configurations offered; resistant to most mild chemical solutions. Material: Acetal Tubing ID Sizes: 1/4" to 3/8" (6.4 mm to 9.5 mm)</p>	  
	<p>78 PLC12: Materials of construction offer broad chemical resistance for demanding applications; gamma sterilisable. Material: Polypropylene Tubing ID Sizes: 1/4" to 3/8" (6.4 mm to 9.5 mm)</p>	  
	<p>80 APC: Features plastic thumb latch, fewer moving parts, and a smooth contoured design to deliver ease of use and excellent flow. Material: Acetal Terminations: 1/4" to 3/8" (6.4 mm to 9.5 mm)</p>	  
	<p>82 EFC12: High efficiency valve design provides high flow capability; bulkhead panel mount options facilitate tight seals against tank walls and drums. Material: Polypropylene Tubing ID Sizes: 1/4" to 3/8" (6.4 mm to 9.5 mm)</p>	 
	<p>83 FFC35: Features non-valved and unobstructed flow path to increase flow and minimise turbulence. Material: Polysulfone Tubing ID Sizes: 3/4" (19.0 mm)</p>	
	<p>84 HFC12: Efficient valve design leads to high flow and exceptionally low spillage; shrouded thumb latch is easy to grip and simple to operate. Material: Polypropylene Tubing ID Sizes: 3/8" to 3/4" (9.5 mm to 19.0 mm)</p>	  
	<p>86 HFC35 & 57: Withstands harsh environments and is offered with or without UV resistant materials to withstand harmful rays without affecting performance. Material: Polysulfone (white), UV polysulfone (black) Tubing ID Sizes: 3/8" to 3/4" (9.5 mm to 19.0 mm)</p>	  
HFC35 pictured		
	<p>90 MC: Durable and able to withstand higher pressure and temperature; easy one hand connection and disconnection. Material: Chrome plated brass Tubing ID Sizes: 1/8" to 1/4" (3.2 mm to 6.4 mm)</p>	  
	<p>92 LC: Durable and able to withstand higher pressure and temperature; easy one-hand connection and disconnection. Material: Chrome plated brass Tubing ID Sizes: 1/4" to 3/8" (6.4 mm to 9.5 mm)</p>	  

	<p>94 TwinTube™: One easy to use, quick disconnect for two separate non-valved flow paths. Material: Acetal, ABS Tubing ID Sizes: 1/16" to 1/8" (1.6 mm to 3.2 mm)</p>	
	<p>95 SixTube™: Snap-in panel mount design and flexibility to connect and disconnect six separate lines with or without valves. Material: Acetal, polypropylene Tubing ID Sizes: 1/16" to 1/8" (1.6 mm to 3.2 mm)</p>	
	<p>96 TenTube™: Allows connection and disconnection of up to ten lines with one slide latch; tubing orientation ensured by physical keying. Material: Acetal, polypropylene Tubing ID Sizes: 1/16" to 1/8" (1.6 mm to 3.2 mm)</p>	
	<p>98 Multi-Mount: Connects three to five lines at once; keyed to prevent mismatched connections. Material: Acetal, chrome plated brass Tubing ID Sizes: 1/8" to 3/8" (3.2 mm to 9.5 mm)</p>	
	<p>100 Puncture Seal: Provides closed connection to Hedwin Cubitainer® bag in box container systems. Material: Polypropylene (coupling) and polyethylene (cap) Tubing ID Sizes: 1/4" to 3/8" (6.4 mm to 9.5 mm)</p>	
	<p>101 UDC: Provides closed connection to bag in box packaging with 38 mm threaded necks. Material: Polypropylene (coupling) and acetal (cap) Tubing ID Sizes: 1/4" to 3/8" (6.4 mm to 9.5 mm)</p>	
	<p>102 BQ45GL: Quick disconnect coupling or fitting integrated into a cap designed for 45 GL bottles. Material: Polyethylene</p>	
	<p>103 Fittings and Accessories</p>	
	<p>104 Tube Fittings</p>	

Symbol Guide			
Straight Through	Single Shut-Off	Double Shut-Off	Non-Spill



DESCRIPTION

The new NS1 Series couplings' compact, closed system design is packed full of features, including non-spill shut off valves that ensure drip free disconnection and eliminate the need to purge air from the system. The smallest plastic non-spill coupling on the market, NS1 is perfect for applications with tubing from 1/8 inch down to microbore. Its rotating design allows tubing to move freely without kinks. Ideal for applications that need to be connected and disconnected often, the ergonomic, user-friendly interface enables a secure, reliable connect and disconnect.

* Tubing size dependent on nut and ferrule used with 1/4-28. Please see page 70 for 1/4-28 UNF nuts and ferrules.

FEATURES

- Non-spill design
- Ultra low air inclusion
- Intuitive interface
- Rotating design
- Chemically resistant materials

BENEFITS

- Closed system for drip free disconnection
- Minimises contaminants, eliminates the need to purge air bubbles from the system
- User-friendly, ergonomic design enables a secure, reliable connection
- Allows tubing to move freely or relax without kinking or leaking
- Reliable strength and performance in a range of applications

SPECIFICATIONS

Main components	Glass filled polypropylene
Seal material	EPDM, Viton™ available
Springs	316 stainless steel, Hastelloy C available upon request
Lubricants	Krytox® PFPE (inert)
Working pressure	Vacuum to 15 psi (1.0 bar)
Operating temperature	0°C to 49°C (32°F to 120°F)
Spillage	<0.02 cc / disconnect



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

IN-LINE – VALVED MALE THREAD



800

PART NUMBER	DESCRIPTION	PRICE
cNS1D10042812	1/4-28 UNF male thread	£22.72

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS1D170212	1/8" ID	3.2 mm ID	£22.41

IN-LINE – VALVED FEMALE THREAD



800

PART NUMBER	DESCRIPTION	PRICE
cNS1D19042812	1/4-28 UNF female thread	£22.10

COUPLING INSERTS

IN-LINE – VALVED MALE THREAD



800

PART NUMBER	DESCRIPTION	PRICE
cNS1D24042812	1/4-28 UNF male thread	£10.36

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS1D220212	1/8" ID	3.2 mm ID	£9.51

IN-LINE – VALVED FEMALE THREAD



800

PART NUMBER	DESCRIPTION	PRICE
cNS1D26042812	1/4-28 UNF female thread	£10.50

ACCESSORIES

BULKHEAD O-RING



800

PART NUMBER	DESCRIPTION	PRICE
c731303	Polypropylene panel mount O-ring	£1.32

PANEL MOUNT – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS1D420212	1/8" ID	3.2 mm ID	£16.66

PANEL MOUNT – VALVED FEMALE THREAD



800

PART NUMBER	DESCRIPTION	PRICE
cNS1D48042812	1/4-28 UNF female thread	£15.91

You may also need ...



**1/4 – 28 UNF
Nuts and
ferrules**

... on page 70, section 2



FEATURES	BENEFITS
<ul style="list-style-type: none"> • Efficient, non-spill design • Multiple seal • Twist to connect locking system • Compact design • Ultra low air inclusion 	<ul style="list-style-type: none"> • Disconnect under pressure with no spills • Broad chemical compatibility for diverse applications • Easy, non-spill connections in tight spaces • High flow in a small connector • Minimises contaminants, reduces the need to purge lines
SPECIFICATIONS	
Main components	Glass filled polypropylene
Seal material	EPDM (FKM / Simriz® FFKM optional)
Springs	316 stainless steel
Working pressure	Vacuum to 45 psi (3.1 bar)
Operating temperature	0°C to 49°C (32°F to 120°F)
Spillage	<0.025 cc / disconnect



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cNS2D100212	1/8" NPT	£9.75

COUPLING INSERTS

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cNS2D240212	1/8" NPT	£9.94

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS2D170212	1/8" ID	3.2 mm ID	£9.68
cNS2D170412	1/4" ID	6.4 mm ID	£9.21

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS2D220212	1/8" ID	3.2 mm ID	£9.80
cNS2D220412	1/4" ID	6.4 mm ID	£9.06

IN-LINE – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS2D130412	1/4" OD, .017" ID	6.4 x 4.3 mm	£13.08

IN-LINE – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS2D200412	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£10.90

PANEL MOUNT – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS2D120412	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£16.34

ACCESSORIES



800

GASKETS

PART NUMBER	DESCRIPTION	PRICE
c1830300	Buna-N Panel Mount Gasket	£1.03

PANEL MOUNT – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS2D160212	1/8" ID	3.2 mm ID	£13.33
cNS2D160412	1/4" ID	6.4 mm ID	£13.52

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Non-spill design • Colour coding options • Easy to use thumb latch 	<ul style="list-style-type: none"> • Disconnect under pressure with no spills • Durable and compatible with many chemicals • One hand connection and disconnection • Instant visual differentiation of media lines
SPECIFICATIONS	
Main components	ABS
Seal material	EPDM, FKM optional
Springs	316 stainless steel
Lubricants	Krytox® PFPE (inert)
Working pressure	Vacuum to 120 psi (8.3 bar)
Operating temperature	0°C to 71°C (32°F to 160°F)
Flow capacity	Cv 0.60
Spillage	<0.10 cc / disconnect



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cNS4D100046	1/4" NPT	£21.46

COUPLING INSERTS

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cNS4D240046	1/4" NPT	£18.27
cNS4D240406	1/4" BSPT	£23.21

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS4D170046	1/4" ID	6.4 mm ID	£21.55
cNS4D170066	3/8" ID	9.5 mm ID	£20.88

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS4D220046	1/4" ID	6.4 mm ID	£17.98
cNS4D220066	3/8" ID	9.5 mm ID	£17.30

IN-LINE – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS4D130066	3/8" OD, 1/4" ID	9.5 x 6.4 mm	£27.66

PANEL MOUNT – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS4D420046	1/4" ID	6.4 mm ID	£22.05
cNS4D420066	3/8" ID	9.5 mm ID	£20.27

ACCESSORIES

GASKETS

800

PART NUMBER	DESCRIPTION	PRICE
c1879800	EPDM panel mount gasket	£1.10



FEATURES	BENEFITS
<ul style="list-style-type: none"> • Non-spill design • Colour coding options • Easy to use thumb latch 	<ul style="list-style-type: none"> • Disconnect under pressure with no spills • Instant visual differentiation of media lines • Durable and compatible with many chemicals • One hand connection and disconnection
SPECIFICATIONS	
Main components	Glass filled polypropylene
Seal material	EPDM, FKM optional
Springs	316 stainless steel
Lubricants	Krytox® PFPE (inert)
Working pressure	Vacuum to 120 psi (8.3 bar)
Operating temperature	0°C to 71°C (32°F to 160°F)
Flow capacity	Cv 0.60
Spillage	<0.10 cc / disconnect



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cNS4D10004	1/4" NPT	£18.46
cNS4D10040	1/4" BSPT	£18.78

IN-LINE – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS4D13004	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£20.77
cNS4D13006	3/8" OD, 1/4" ID	9.5 x 6.4 mm	£21.16

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS4D17002	1/8" ID	3.2 mm ID	£18.52
cNS4D17004	1/4" ID	6.4 mm ID	£18.46
cNS4D17006	3/8" ID	9.5 mm ID	£18.51

ACCESSORIES

GASKETS

800

PART NUMBER	DESCRIPTION	PRICE
c1879800	EPDM panel mount gasket	£1.10

Colour coded versions and other seal materials available. Minimum order quantities will apply.

COUPLING INSERTS

**PIPE THREAD – VALVED
MALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
cNS4D24004	1/4" NPT	£13.86
cNS4D24040	1/4" BSPT	£13.86

**PANEL MOUNT – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS4D42002	1/8" ID	3.2 mm ID	£16.71
cNS4D42004	1/4" ID	6.4 mm ID	£16.48
cNS4D42006	3/8" ID	9.5 mm ID	£16.48

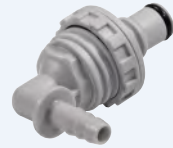
**IN-LINE – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS4D22002	1/8" ID	3.2 mm ID	£13.86
cNS4D22004	1/4" ID	6.4 mm ID	£13.57
cNS4D22006	3/8" ID	9.5 mm ID	£13.86

**PANEL MOUNT ELBOW – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS4D43004	1/4" ID	6.4 mm ID	£18.27
cNS4D43006	3/8" ID	9.5 mm ID	£18.95

**IN-LINE – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS4D20004	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£15.59
cNS4D20006	3/8" OD, 1/4" ID	9.5 x 6.4 mm	£14.93

**ELBOW – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS4D23004	1/4" ID	6.4 mm ID	£15.82
cNS4D23006	3/8" ID	9.5 mm ID	£14.82

**PANEL MOUNT – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS4D40004	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£19.29
cNS4D40006	3/8" OD, 1/4" ID	9.5 x 6.4 mm	£19.49

Colour coded versions also available. Minimum quantities will apply.

You may also need ...

Silicone tube

- Unreinforced and reinforced ranges available
- Ideal for food handling, beverage lines and laboratories
- FDA approved



... on page 538, section 10

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Non-spill design • Colour coding options • Easy to use thumb latch 	<ul style="list-style-type: none"> • Disconnect under pressure with no spills • Instant visual differentiation of media lines • Durable and compatible with many chemicals • One hand connection and disconnection
SPECIFICATIONS	
Main components	Glass filled polypropylene
Seal material	EPDM, FKM optional
Springs	316 stainless steel
Lubricants	Krytox® PFPE (inert)
Working pressure	Vacuum to 120 psi (8.3 bar)
Operating temperature	0°C to 71°C (32°F to 160°F)
Flow capacity	Cv 2.2
Spillage	<0.03 cc / disconnect @ 0 psi <0.30 cc / disconnect @ 120 psi



COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cNS6D10008	1/2" NPT	£28.88
cNS6D10080	1/2" BSPT	£27.31

COUPLING INSERTS

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cNS6D24008	1/2" NPT	£19.09
cNS6D24080	1/2" BSPT	£19.42

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS6D17006	3/8" ID	9.5 mm ID	£28.42
cNS6D17008	1/2" ID	12.7 mm ID	£28.54

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS6D22006	3/8" ID	9.5 mm ID	£18.92
cNS6D22008	1/2" ID	12.7 mm ID	£19.31

IN-LINE – VALVED COMPRESSION



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS6D13008	1/2" OD	12.7 mm OD	£33.87

IN-LINE – VALVED COMPRESSION



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS6D20008	1/2" OD	12.7 mm OD	£27.90

ACCESSORIES

GASKETS

800

PART NUMBER	DESCRIPTION	PRICE
c1884300	EPDM panel mount gasket	£1.37
c1889600	FKM panel mount gasket	£1.74

PANEL MOUNT – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS6D42006	3/8" ID	9.5 mm ID	£27.03
cNS6D42008	1/2" ID	12.7 mm ID	£24.96

PANEL MOUNT – VALVED COMPRESSION



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNS6D40008	1/2" OD	12.7 mm OD	£31.09

Colour coded versions also available. Minimum quantities will apply.



FEATURES	BENEFITS
<ul style="list-style-type: none"> All plastic flow path Non-spill design Easy to use thumb latch 	<ul style="list-style-type: none"> Disconnect under pressure with no spills High flow, low turbulence, no corrosion Durable and compatible with many chemicals
SPECIFICATIONS	
Main components	Glass filled polypropylene
Seal material	EPDM
Springs (non wetted)	316 stainless steel
Lubricants	Krytox® PFPE (inert)
Working pressure	Vacuum to 120 psi (8.3 bar)
Operating temperature	0°C to 49°C (32°F to 120°F)
Flow capacity	Cv 3.0
Spillage	<0.10 cc / disconnect (reconnect)

Also available in PTFE / Kalrez – please ask for details



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

COUPLING INSERTS

**IN-LINE – VALVED
MALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
cNSHD10008	1/2" NPT	£70.10
cNSHD10012	3/4" NPT	£82.84

**IN-LINE – VALVED
MALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
cNSHD24008	1/2" NPT	£70.10
cNSHD24012	3/4" NPT	£78.21
cNSHD240060	3/8" BSPT	£71.08

**IN-LINE – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNSHD17006	3/8" ID	9.5 mm ID	£71.90
cNSHD17008	1/2" ID	12.7 mm ID	£70.10
cNSHD17010	5/8" ID	15.9 mm ID	£71.43
cNSHD17012	3/4" ID	19.0 mm ID	£69.63

**IN-LINE – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNSHD22006	3/8" ID	9.5 mm ID	£75.49
cNSHD22008	1/2" ID	12.7 mm ID	£69.12
cNSHD22010	5/8" ID	15.9 mm ID	£71.43
cNSHD22012	3/4" ID	19.0 mm ID	£69.63

**IN-LINE – VALVED
COMPRESSION**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNSHD13006	3/8" OD	9.5 mm ID	£84.38
cNSHD13008	1/2" OD	12.7 mm ID	£78.96

**IN-LINE – VALVED
COMPRESSION**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cNSHD20006	3/8" OD	9.5 mm ID	£83.08
cNSHD20008	1/2" OD	12.7 mm ID	£78.96

**IN-LINE – VALVED
FEMALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
cNSHD19006	3/8" NPT	£84.55

**IN-LINE – VALVED
FEMALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
cNSHD26006	3/8" NPT	£87.16

ACCESSORIES



800

ACCESSORIES

PART NUMBER	DESCRIPTION	PRICE
cNSHPMKIT12	Panel mount kit with panel seal	£41.54
c1800700	Dust plug / cap for body or insert	£1.97



Everis™ PLQ2 Series liquid cooling connectors provide ultra-reliable, dripless connections and disconnections. Made of PPSU, a high-performance thermoplastic, the Everis PLQ2 connector is lightweight, not susceptible to galvanic corrosion and rated UL94 V0 flame retardant. With an ergonomic thumb latch, Everis PLQ2 fittings are easy to use. They are purpose-built for liquid cooling of electronics applications and offer a high-flow capacity to optimize thermal management system performance. Everis PLQ2 quick disconnects use CPC-developed valve technology that is designed for long-term use with no spill upon disconnect.

PRESSURE

Vacuum to 8.3 bar (120 psi)

TEMPERATURE

Operating: -17°C to 115°C (0°F to 240°F)

Storage/Shipping:

-40°C to 115°C (-40°F to 240°F)

MATERIALS

Main Components: Polyphenylsulfone PPSU

Valves and Thumb latch: PPSU

Valve Springs (wetted): Stainless steel

External spring: Stainless steel

Seals: EPDM

Seal Spacer: PTFE

Compliance: RoHS, REACH

COLOUR

Matte Black with Cool Blue or Warm Red

TUBING SIZES

1/4" ID (6.4mm ID)

LUBRICANTS

Krytox® PFPE

SPILLAGE

<0.015 cc per disconnect at 0 bar

<0.063 cc per disconnect rated at 13.8 bar

INCLUSION

<0.063 cc per connect

FLOW COEFFICIENT

Cv ~ 0.37

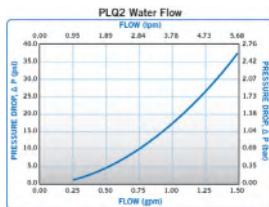
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES

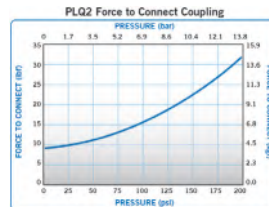
- Made of high-performance PPSU material
- Non-spill valve design
- High flow to size ratio with low pressure drop
- Ergonomic body and latch design
- Audible click upon connection
- Barbed and threaded termination options
- Robust product testing (product tested to 10,000 cycles), dimensional stability

BENEFITS

- Lightweight, durable and chemically compatible with widely used liquid cooling fluids and UL94 V0 flame retardant
- No drips during connection or disconnection
- Increased cooling efficiency in small spaces
- Simple, intuitive one-handed operation
- Provides connection assurance
- Meets preferences for mounting or tubing connections
- High durability and reliability in long-use applications
- Interchange with LQ2



These graphs are intended to give you a general idea of the performance capabilities of each product line. Contact your distributor for flow of a particular coupling combination.



Available soon.
Please contact your distributor for further details.



Everis™ PLQ4 Series liquid cooling connectors provide ultra-reliable, dripless connections and disconnections. They are purpose-built for liquid cooling of electronics applications and offer a high-flow capacity to optimize thermal management system performance. Made of PPSU, a high-performance, engineered thermoplastic, Everis PLQ4 connectors are lightweight, and not susceptible to galvanic corrosion. With an ergonomic thumb latch, Everis PLQ4 are easy to use. Everis PLQ4 quick disconnects incorporate CPC's patent-pending valve technology that is designed for long-term use with no spill upon disconnect.

PRESSURE

Vacuum to 8.3 bar (120 psi)

TEMPERATURE

Operating: 0°F to 185°F (-17°C to 85°C)

Storage/Shipping:

-40°F to 240°F (-40°C to 115°C)

MATERIALS

Main Components: Polyphenylsulfone PPSU

Valves and Thumb latch: PPSU

Valve Springs (wetted): Stainless steel

External spring: Stainless steel

Seals: EPDM

Seal Spacer: PTFE

Compliance: RoHS, REACH

COLOUR

Matte Black with Cool Blue or Warm Red

TUBING SIZES

1/4" to 3/8" ID (6.4mm to 9.5mm ID)

LUBRICANTS

Krytox® PFPE

SPILLAGE

<0.025 cc per disconnect at 0 bar

<0.055 cc per disconnect at 8.3 bar

INCLUSION

<0.55cc per connect

FLOW COEFFICIENT

Cv ~ 1.37 (1.1Kv)

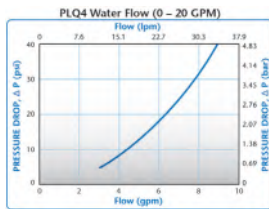
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES

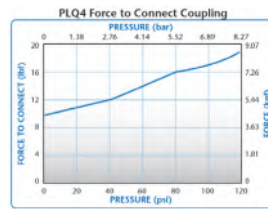
- Made of high-performance PPSU material
- Non-spill valve design
- High flow to size ratio with low pressure drop
- Ergonomic body and latch design
- Audible click upon connection
- Barbed and threaded termination options
- Robust product testing (product tested to 10,000 cycles), dimensional stability

BENEFITS

- Lightweight, durable and chemically compatible with widely used liquid cooling fluids and UL94 VO flame retardant
- No drips during connection or disconnection
- Increased cooling efficiency in small spaces
- Simple, intuitive one-handed operation
- Provides connection assurance
- Meets preferences for mounting or tubing connections
- High durability and reliability in long-use applications
- Interchange with LQ4



These graphs are intended to give you a general idea of the performance capabilities of each product line. Contact your distributor for flow of a particular coupling combination.



Available soon.
Please contact your distributor for further details.

BLQ SERIES CONNECTORS

FEATURES		BENEFITS	
<ul style="list-style-type: none"> • Non-spill design • Redundant sealing when connected • Friction-free valve • Ruggedness • Axial engagement tolerance 		<ul style="list-style-type: none"> • Disconnect under pressure with no spills • Extra protection from leaks • Valving system designed for extended periods in connected state • Able to withstand long term, repeated use • Valves designed to allow full flow even when not fully engaged 	
SPECIFICATIONS			
Pressure	BLQ2: vacuum to 200 psi (13.8 bar) BLQ4 & BLQ6: vacuum to 120 psi (8.3 bar)		
Temperature	-17°C to +115°C (0°F to 240°F)		
MATERIALS			
Main housing components	BLQ2 & BLQ4: chrome plated brass BLQ6: anodised aluminium		
Valves	Polysulfone		
Valve springs (wetted)	Stainless steel		
Seals	EPDM		


BLQ2 COUPLING BODIES

New



IN-LINE MALE THREAD VALVED 800

PART NUMBER	THREAD SIZE	PRICE
cBLQ2D3004	1/4" SAE-4	£38.50

BLQ2 COUPLING INSERTS

New



IN-LINE MALE THREAD VALVED 800

PART NUMBER	THREAD SIZE	PRICE
cBLQ2D4604	1/4" SAE-4	£35.46

BLQ4 COUPLING BODIES

New



IN-LINE MALE THREAD VALVED 800

PART NUMBER	THREAD SIZE	PRICE
cBLQ4D3008	1/2" SAE-8	£49.76

BLQ4 COUPLING INSERTS

New



IN-LINE MALE THREAD VALVED 800

PART NUMBER	THREAD SIZE	PRICE
cBLQ4D4606	3/8" SAE-6	£42.92

BLQ6 COUPLING BODIES

New



IN-LINE MALE THREAD VALVED 800

PART NUMBER	THREAD SIZE	PRICE
cBLQ6D31008	1/2" BSPP	£97.07

BLQ6 COUPLING INSERTS


New



IN-LINE MALE THREAD VALVED 800

PART NUMBER	THREAD SIZE	PRICE
cBLQ6D47008	1/2" BSPP	£71.64


New



IN-LINE MALE THREAD VALVED 800

PART NUMBER	THREAD SIZE	PRICE
cBLQ6D30006	3/8" SAE-6	£97.07

New



IN-LINE MALE THREAD VALVED 800

PART NUMBER	THREAD SIZE	PRICE
cBLQ6D46006	3/8" SAE-6	£71.64

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Colour coded thumb latch • High flow capacity • Redundant multilobed seals • Locking hose barb 	<ul style="list-style-type: none"> • Simple, intuitive one hand operation with visual difference in cooling lines • Cost effective fluid handling system • Protection against leakage and ability to withstand extended periods of connection • Quality connection with reinforced tubing used in liquid cooling applications
SPECIFICATIONS	
Pressure	Vacuum to 200 psi (13.8 bar)
Temperature	-17°C to +115°C (0°F to 240°F)
MATERIALS	
Main components	Chrome plated brass
Valves and thumb latch	Polysulfone
Valve springs (wetted)	Stainless steel
External springs and pin	Stainless steel
Seals	EPDM


COUPLING BODIES
COUPLING INSERTS
IN-LINE MALE THREAD – VALVED SWIVEL BODY – BLUE


800

PART NUMBER	THREAD SIZE	PRICE
cLQ2D3004BLU	1/4" SAE-4	£63.30
cLQ2D3102BLU	1/8" BSPP	£66.77

IN-LINE MALE THREAD – VALVED COUPLING INSERT – BLUE


800

PART NUMBER	THREAD SIZE	PRICE
cLQ2D4604BLU	1/4" SAE-4	£33.96
cLQ2D4702BLU	1/8" BSPP	£36.59

IN-LINE HOSE BARB – VALVED SWIVEL BODY – BLUE


800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D1704LBU	1/4" ID	£61.21

IN-LINE HOSE BARB – VALVED COUPLING INSERT – BLUE


800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D2204LBU	1/4" ID	£43.08

HOSE BARB – VALVED SWIVEL ELBOW BODY – BLUE


800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D3304LBU	1/4" ID	£74.41

HOSE BARB – VALVED ELBOW COUPLING INSERT – BLUE


800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D2304LBU	1/4" ID	£51.41

IN-LINE MALE THREAD – VALVED SWIVEL BODY – RED


800

PART NUMBER	THREAD SIZE	PRICE
cLQ2D3004RED	1/4" SAE-4	£63.30
cLQ2D3102RED	1/8" BSPP	£66.77

IN-LINE MALE THREAD – VALVED COUPLING INSERT – RED


800

PART NUMBER	THREAD SIZE	PRICE
cLQ2D4604RED	1/4" SAE-4	£33.96
cLQ2D4702RED	1/8" BSPP	£36.59

IN-LINE HOSE BARB – VALVED SWIVEL BODY – RED


800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D1704LRED	1/4" ID	£61.21

IN-LINE HOSE BARB – VALVED COUPLING INSERT – RED


800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D2204LRED	1/4" ID	£43.08

HOSE BARB – VALVED SWIVEL ELBOW BODY – RED


800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D3304LRED	1/4" ID	£74.41

HOSE BARB – VALVED ELBOW COUPLING INSERT – RED


800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D2304LRED	1/4" ID	£51.41

FEATURES		BENEFITS	
<ul style="list-style-type: none"> • Non-spill design • Redundant sealing when connected • Colour coding • Friction free valve • Ruggedness • Rotation allows movement 		<ul style="list-style-type: none"> • Disconnect under pressure with no spills • Extra protection from leaks • Instant visual difference in cooling lines • Valving system designed for extended periods in connected state • Able to withstand long term, repeated use • Eliminates tube kinking 	
SPECIFICATIONS			
Pressure	Vacuum to 120 psi, 8.3 bar		
Temperature	-17°C to +115°C (0°F to 240°F)		
Spillage at 0 psi	0.025 cc/disconnect		
Spillage at 120 psi	0.055 cc/disconnect		
Main components	Chrome plated brass		
Seal materials	EPDM		
Spring	Stainless steel		
Maximum flow at disconnect	3.0 gal/min, 11.3 l/min		


COUPLING BODIES – BLUE THUMB LATCH
COUPLING BODIES – RED THUMB LATCH
**PIPE THREAD – VALVED
MALE THREAD
BLUE THUMB LATCH**


800

PART NUMBER	THREAD SIZE	PRICE
cLQ4D10004BLU	1/4" NPT	£76.75
cLQ4D10006BLU	3/8" NPT	£76.75

**PIPE THREAD – VALVED
MALE THREAD
RED THUMB LATCH**


800

PART NUMBER	THREAD SIZE	PRICE
cLQ4D10004RED	1/4" NPT	£76.75
cLQ4D10006RED	3/8" NPT	£76.75

**IN-LINE – VALVED
MALE THREAD
BLUE THUMB LATCH**


800

PART NUMBER	THREAD SIZE	PRICE
cLQ4D31004BLU	1/4" BSPP	£79.24
cLQ4D31006BLU	3/8" BSPP	£79.24

**IN-LINE – VALVED
MALE THREAD
RED THUMB LATCH**


800

PART NUMBER	THREAD SIZE	PRICE
cLQ4D31004RED	1/4" BSPP	£79.24
cLQ4D31006RED	3/8" BSPP	£79.24

**IN-LINE – VALVED
HOSE BARB
BLUE THUMB LATCH**


800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLQ4D17004BLU	1/4" ID	6.4 mm ID	£76.75
cLQ4D17006BLU	3/8" ID	9.5 mm ID	£76.75

**IN-LINE – VALVED
HOSE BARB
RED THUMB LATCH**


800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLQ4D17004RED	1/4" ID	6.4 mm ID	£76.75
cLQ4D17006RED	3/8" ID	9.5 mm ID	£76.75

**IN-LINE – VALVED
MALE THREAD
BLUE THUMB LATCH**


800

PART NUMBER	THREAD SIZE	PRICE
cLQ4D30004BLU	1/4" SAE-4	£77.69
cLQ4D30006BLU	3/8" SAE-6	£77.69

**IN-LINE – VALVED
MALE THREAD
RED THUMB LATCH**


800

PART NUMBER	THREAD SIZE	PRICE
cLQ4D30004RED	1/4" SAE-4	£77.69
cLQ4D30006RED	3/8" SAE-6	£77.69

**IN-LINE – VALVED
FERRULESS POLYTUBE FITTING, PTF
BLUE THUMB LATCH**


800

PART NUMBER	TUBE SIZE	PRICE
cLQ4D13006BLU	1/4" ID x 3/8" OD	£93.24

**IN-LINE – VALVED
FERRULESS POLYTUBE FITTING, PTF
RED THUMB LATCH**


800

PART NUMBER	TUBE SIZE	PRICE
cLQ4D13006RED	1/4" ID x 3/8" OD	£93.24

COUPLING INSERTS – BLUE
COUPLING INSERTS – RED
**PIPE THREAD – VALVED
MALE THREAD
BLUE INSERT**


800

PART NUMBER	THREAD SIZE	PRICE
cLQ4D24004BLU	1/4" NPT	£53.68
cLQ4D24006BLU	3/8" NPT	£53.68

**PIPE THREAD – VALVED
MALE THREAD
RED INSERT**


800

PART NUMBER	THREAD SIZE	PRICE
cLQ4D24004RED	1/4" NPT	£53.68
cLQ4D24006RED	3/8" NPT	£53.68

**IN-LINE – VALVED
MALE THREAD
BLUE INSERT**


800

PART NUMBER	THREAD SIZE	PRICE
cLQ4D47004BLU	1/4" BSPP	£55.10
cLQ4D47006BLU	3/8" BSPP	£50.80

**IN-LINE – VALVED
MALE THREAD
RED INSERT**


800

PART NUMBER	THREAD SIZE	PRICE
cLQ4D47004RED	1/4" BSPP	£55.10
cLQ4D47006RED	3/8" BSPP	£50.80

**IN-LINE – VALVED
HOSE BARB
BLUE INSERT**


800

PART NUMBER	THREAD SIZE	METRIC EQ.	PRICE
cLQ4D22004BLU	1/4" ID	6.4 mm ID	£53.68
cLQ4D22006BLU	3/8" ID	9.5 mm ID	£53.68

**IN-LINE – VALVED
HOSE BARB
RED INSERT**


800

PART NUMBER	THREAD SIZE	METRIC EQ.	PRICE
cLQ4D22004RED	1/4" ID	6.4 mm ID	£53.68
cLQ4D22006RED	3/8" ID	9.5 mm ID	£53.68

**IN-LINE – VALVED
MALE THREAD
BLUE INSERT**


800

PART NUMBER	THREAD SIZE	PRICE
cLQ4D46004BLU	1/4" SAE-4	£55.09
cLQ4D46006BLU	3/8" SAE-6	£50.78

**IN-LINE – VALVED
MALE THREAD
RED INSERT**


800

PART NUMBER	THREAD SIZE	PRICE
cLQ4D46004RED	1/4" SAE-4	£55.09
cLQ4D46006RED	3/8" SAE-6	£50.78

**IN-LINE – VALVED
FERRULESS POLYTUBE FITTING, PTF
BLUE INSERT**


800

PART NUMBER	TUBE SIZE	PRICE
cLQ4D20006BLU	1/4" ID x 3/8" OD	£70.63

**IN-LINE – VALVED
FERRULESS POLYTUBE FITTING, PTF
RED INSERT**


800

PART NUMBER	TUBE SIZE	PRICE
cLQ4D20006RED	1/4" ID x 3/8" OD	£70.63



FEATURES		BENEFITS	
• Non-spill design		• Disconnects under pressure with no spills	
• Redundant sealing when connected		• Extra protection from leaks	
• Colour coding		• Instant visual difference in cooling lines	
• Friction free valve		• Valving system designed for extended periods of connect state	
• Ruggedness		• Able to withstand long term, repeated use	
• Rotation allows movement		• Eliminates tube kinking	
SPECIFICATIONS			
Pressure		Vacuum to 120 psi, 8.3 bar	
Temperature		-17°C to +115°C (0°F to 240°F)	
Spillage at 0 psi		0.03 cc/disconnect	
Spillage at 120 psi		0.03 cc/disconnect	
Main components		Chrome plated brass	
Seal materials		EPDM	
Spring		Stainless steel	
Maximum flow at disconnect		4.0 gal/min, 15.1 l/min	



COUPLING BODIES – BLUE THUMB LATCH

COUPLING BODIES – RED THUMB LATCH

**PIPE THREAD – VALVED
MALE THREAD
BLUE THUMB LATCH**



800

PART NUMBER	THREAD SIZE	PRICE
cLQ6D10006BLU	3/8" NPT	£87.18

**PIPE THREAD – VALVED
MALE THREAD
RED THUMB LATCH**



800

PART NUMBER	THREAD SIZE	PRICE
cLQ6D10006RED	3/8" NPT	£87.18

**IN-LINE – VALVED
MALE THREAD
BLUE THUMB LATCH**



800

PART NUMBER	THREAD SIZE	PRICE
cLQ6D31006BLU	3/8" BSPP	£88.01
cLQ6D31008BLU	1/2" BSPP	£88.01

**IN-LINE – VALVED
MALE THREAD
RED THUMB LATCH**



800

PART NUMBER	THREAD SIZE	PRICE
cLQ6D31006RED	3/8" BSPP	£88.01
cLQ6D31008RED	1/2" BSPP	£88.01

**IN-LINE – VALVED
HOSE BARB
BLUE THUMB LATCH**



800

PART NUMBER	THREAD SIZE	METRIC EQ.	PRICE
cLQ6D17006BLU	3/8" ID	9.5 mm ID	£86.62
cLQ6D17008BLU	1/2" ID	12.7 mm ID	£86.62

**IN-LINE – VALVED
HOSE BARB
RED THUMB LATCH**



800

PART NUMBER	THREAD SIZE	METRIC EQ.	PRICE
cLQ6D17006RED	3/8" ID	9.5 mm ID	£86.62
cLQ6D17008RED	1/2" ID	12.7 mm ID	£86.62

**IN-LINE – VALVED
MALE THREAD
BLUE THUMB LATCH**



800

PART NUMBER	THREAD SIZE	PRICE
cLQ6D30006BLU	3/8" SAE-6	£88.01
cLQ6D30008BLU	1/2" SAE-8	£88.01

**IN-LINE – VALVED
MALE THREAD
RED THUMB LATCH**



800

PART NUMBER	THREAD SIZE	PRICE
cLQ6D30006RED	3/8" SAE-6	£88.01
cLQ6D30008RED	1/2" SAE-8	£88.01

**IN-LINE – VALVED
FERRULESS POLYTUBE FITTING, PTF
BLUE THUMB LATCH**



800

PART NUMBER	TUBE SIZE	PRICE
cLQ6D13008BLU	3/8" ID x 1/2" OD	£102.09

**IN-LINE – VALVED
FERRULESS POLYTUBE FITTING, PTF
RED THUMB LATCH**



800

PART NUMBER	TUBE SIZE	PRICE
cLQ6D13008RED	3/8" ID x 1/2" OD	£102.09

COUPLING INSERTS – BLUE
COUPLING INSERTS – RED

PIPE THREAD – VALVED
MALE THREAD
BLUE INSERT



800

PART NUMBER	THREAD SIZE	PRICE
cLQ6D24006BLU	3/8" NPT	£65.42

PIPE THREAD – VALVED
MALE THREAD
RED INSERT



800

PART NUMBER	THREAD SIZE	PRICE
cLQ6D24006RED	3/8" NPT	£65.42

IN-LINE – VALVED
MALE THREAD
BLUE INSERT



800

PART NUMBER	THREAD SIZE	PRICE
cLQ6D47006BLU	3/8" BSPP	£65.41
cLQ6D47008BLU	1/2" BSPP	£60.29

IN-LINE – VALVED
MALE THREAD
RED INSERT



800

PART NUMBER	THREAD SIZE	PRICE
cLQ6D47006RED	3/8" BSPP	£65.41
cLQ6D47008RED	1/2" BSPP	£60.29

IN-LINE – VALVED
HOSE BARB
BLUE INSERT



800

PART NUMBER	THREAD SIZE	METRIC EQ.	PRICE
cLQ6D22006BLU	3/8" ID	9.5 mm ID	£64.48
cLQ6D22008BLU	1/2" ID	12.7 mm ID	£64.48

IN-LINE – VALVED
HOSE BARB
RED INSERT



800

PART NUMBER	THREAD SIZE	METRIC EQ.	PRICE
cLQ6D22006RED	3/8" ID	9.5 mm ID	£64.48
cLQ6D22008RED	1/2" ID	12.7 mm ID	£64.48

IN-LINE – VALVED
MALE THREAD
BLUE INSERT



800

PART NUMBER	THREAD SIZE	PRICE
cLQ6D46006BLU	3/8" SAE-6	£65.41
cLQ6D46008BLU	1/2" SAE-8	£58.23

IN-LINE – VALVED
MALE THREAD
RED INSERT



800

PART NUMBER	THREAD SIZE	PRICE
cLQ6D46006RED	3/8" SAE-6	£65.41
cLQ6D46008RED	1/2" SAE-8	£58.23

IN-LINE – VALVED
FERRULESS POLYTUBE FITTING, PTF
BLUE INSERT



800

PART NUMBER	TUBE SIZE	PRICE
cLQ6D20008BLU	3/8" ID x 1/2" OD	£79.95

IN-LINE – VALVED
FERRULESS POLYTUBE FITTING, PTF
RED INSERT



800

PART NUMBER	TUBE SIZE	PRICE
cLQ6D20008RED	3/8" ID x 1/2" OD	£79.95

FEATURES	BENEFITS
<ul style="list-style-type: none"> Twist to connect Free coupling rotation Patented hose barb shroud Available in medical grade ABS SMF1 range disposable bodies 	<ul style="list-style-type: none"> Prevents accidental disconnection Eliminates kinked tubing Protects fragile 1/16" hose barb Gamma sterilisable – not all materials; please ask for details

Acetal fittings also available in black
Please ask your distributor for details



SPECIFICATIONS	Acetal	Polypropylene	Polycarbonate	Chrome plated brass	ABS
Locking sleeve	Acetal	Acetal	Polycarbonate	Acetal	Acetal
Valves	Acetal	Acetal	-	Acetal	-
Valve spring	316 stainless steel	316 stainless steel	-	316 stainless steel	-
Seal material	Buna-N	EPDM	Buna-N class V	Buna-N	-
Working pressure	Vacuum to 100 psi (6.9 bar)	Vacuum to 100 psi (6.9 bar)	Vacuum to 100 psi (6.9 bar)	Vacuum to 100 psi (6.9 bar)	Vacuum to 100 psi (6.9 bar)
Operating temperature	-40°C to +82°C (-40°F to +180°F)	0°C to 82°C (32°F to 180°F)	-40°C to +121°C (-40°F to +250°F)	-40°C to +82°C (-40°F to +180°F)	-40°C to +71°C (-40°F to +160°F)

COUPLING BODIES

PIPE THREAD – VALVED ACETAL – MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cSMPTD-02	1/8" NPT	£10.11

PIPE THREAD – UNVALVED ACETAL – MALE THREAD

cSMPT-02	1/8" NPT	£1.37
----------	----------	-------

PIPE THREAD – UNVALVED POLYPROPYLENE – MALE THREAD

cSMPT-02-12	1/8" NPT	£1.68
-------------	----------	-------

PANEL MOUNT – VALVED ACETAL – HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cSMFPM-01	1/16" ID	1.6 mm ID	£12.47
cSMFPM-M3	-	3 mm ID	£12.78
cSMFPM-02	1/8" ID	3.2 mm ID	£12.49

PANEL MOUNT – UNVALVED ACETAL – HOSE BARB

cSMFPM-01	1/16" ID	1.6 mm ID	£4.14
cSMFPM-M3	-	3 mm ID	£4.30
cSMFPM-02	1/8" ID	3.2 mm ID	£4.04

PANEL MOUNT – UNVALVED POLYPROPYLENE – HOSE BARB

cSMFPM-0112	1/16" ID	1.6 mm ID	£4.69
cSMFPM-0212	1/8" ID	3.2 mm ID	£4.64

IN-LINE – VALVED ACETAL – HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cSMFD-01	1/16" ID	1.6 mm ID	£10.00
cSMFD-M3	-	3 mm ID	£10.29
cSMFD-02	1/8" ID	3.2 mm ID	£9.84

IN-LINE – UNVALVED ACETAL – HOSE BARB

cSMF-01	1/16" ID	1.6 mm ID	£1.93
cSMF-M3	-	3 mm ID	£1.97
cSMF-02	1/8" ID	3.2 mm ID	£1.62

IN-LINE – UNVALVED POLYPROPYLENE – HOSE BARB

cSMF-01-12	1/16" ID	1.6 mm ID	£2.28
cSMF-02-12	1/8" ID	3.2 mm ID	£2.15

IN-LINE – UNVALVED POLYCARBONATE – HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cSMF-01-91	1/16" ID	1.6 mm ID	£3.39
cSMF-02-91	1/8" ID	3.2 mm ID	£3.52

Intelligent fluid connections also available. RFID-enabled IdentiQuik® SMC series utilises RFID technology to identify device type or connected media, verify line connection accuracy or capture fluid and product data. Please contact your distributor for more details.

COUPLING INSERTS

**IN-LINE – UNVALVED
ACETAL – HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cSMM-01	1/16" ID	1.6 mm ID	£2.35
cSMM-M3	-	3 mm ID	£2.69
cSMM-M5	-	5 mm ID	£1.85
cSMM-02	1/8" ID	3.2 mm ID	£2.00

**IN-LINE – UNVALVED
POLYPROPYLENE – HOSE BARB**

cSMM-01-12	1/16" ID	1.6 mm ID	£3.11
cSMM-02-12	1/8" ID	3.2 mm ID	£2.99

**IN-LINE – UNVALVED
POLYCARBONATE – HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cSMM-01-91	1/16" ID	1.6 mm ID	£3.76
cSMM-02-91	1/8" ID	3.2 mm ID	£3.58

**PANEL MOUNT – UNVALVED
ACETAL – HOSE BARB**

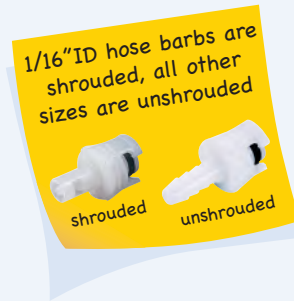


800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cSMMPM-01	1/16" ID	1.6 mm ID	£4.63
cSMMPM-M3	-	3 mm ID	£5.24
cSMMPM-02	1/8" ID	3.2 mm ID	£4.55

**PANEL MOUNT – UNVALVED
POLYPROPYLENE – HOSE BARB**

cSMMPM-0112	1/16" ID	1.6 mm ID	£5.27
cSMMPM-0212	1/8" ID	3.2 mm ID	£5.37



SMC COMPLETE IN-LINE COUPLINGS

**IN-LINE – VALVED
ACETAL – HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cSMCD-01	1/16" ID	1.6 mm ID	£14.70
cSMCD-M3	-	3 mm ID	£16.13
cSMCD-02	1/8" ID	3.2 mm ID	£14.42

**IN-LINE – UNVALVED
ACETAL – HOSE BARB**

cSMC-01	1/16" ID	1.6 mm ID	£5.63
cSMC-02	1/8" ID	3.2 mm ID	£5.26

**IN-LINE – UNVALVED
POLYPROPYLENE – HOSE BARB**

cSMC-01-12	1/16" ID	1.6 mm ID	£6.98
cSMC-02-12	1/8" ID	3.2 mm ID	£6.39

SMF1 DISPOSABLE COUPLING BODIES

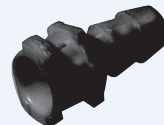
**IN-LINE – UNVALVED
ABS – HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cSMF-10297	1/8" ID	3.2 mm ID	£0.36

**IN-LINE – UNVALVED
ABS – HOSE BARB – BLACK**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cSMF-10297B	1/8" ID	3.2 mm ID	£0.46



FEATURES	BENEFITS
<ul style="list-style-type: none"> • Integral terminations • Clicks when connected • Compatibility • CPC thumb latch 	<ul style="list-style-type: none"> • Fewer leak points, shorter assemblies, faster installations • Assurance of a reliable connection • Mates with MC and PMC12 Series couplings • One hand connection and disconnection
SPECIFICATIONS	
Bodies and valves	Acetal
Internal spring	316 stainless steel
External springs, pin, latch	Stainless steel
Seal material	Buna-N
Colour	Natural white
Working pressure	Vacuum to 120 psi (8.3 bar)
Operating temperature	-40°C to +82°C (-40°F to +180°F)



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cPMCD10-02	1/8" NPT	£8.81
cPMCD10-04	1/4" NPT	£8.81
cPMCD10-020	1/8" BSPT	£9.10
cPMCD10-040	1/4" BSPT	£9.53

UNVALVED

cPMC10-02	1/8" NPT	£6.65
cPMC10-04	1/4" NPT	£6.92
cPMC10-020	1/8" BSPT	£7.05
cPMC10-040	1/4" BSPT	£7.61

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD17-01	1/16" ID	1.6 mm ID	£10.47
cPMCD17-02	1/8" ID	3.2 mm ID	£8.93
cPMCD17-03	3/16" ID	4.8 mm ID	£9.47
cPMCD17-04	1/4" ID	6.4 mm ID	£8.93

UNVALVED

cPMC17-01	1/16" ID	1.6 mm ID	£7.14
cPMC17-02	1/8" ID	3.2 mm ID	£4.95
cPMC17-03	3/16" ID	4.8 mm ID	£4.96
cPMC17-04	1/4" ID	6.4 mm ID	£4.90

IN-LINE – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD13-M42	-	4 x 2 mm	£17.33
cPMCD13-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£13.01
cPMCD13-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£9.48

UNVALVED

cPMC13-M42	-	4 x 2 mm	£15.29
cPMC13-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£11.49
cPMC13-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£8.08

Also available NSF listed

IN-LINE – VALVED FEMALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cPMCD19-1032	10-32 UNF	£12.58

UNVALVED

cPMC19-1032	10-32 UNF	£11.08
-------------	-----------	--------

PANEL MOUNT – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD16-01	1/16" ID	1.6 mm ID	£13.62
cPMCD16-02	1/8" ID	3.2 mm ID	£12.45
cPMCD16-03	3/16" ID	4.8 mm ID	£12.66
cPMCD16-04	1/4" ID	6.4 mm ID	£12.66

UNVALVED

cPMC16-01	1/16" ID	1.6 mm ID	£12.46
cPMC16-02	1/8" ID	3.2 mm ID	£10.59
cPMC16-03	3/16" ID	4.8 mm ID	£10.87
cPMC16-04	1/4" ID	6.4 mm ID	£10.86

PANEL MOUNT – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD12-M42	-	4 x 2 mm	£14.03
cPMCD12-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£13.93
cPMCD12-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£13.15

UNVALVED

cPMC12-M42	-	4 x 2 mm	£12.52
cPMC12-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£12.86
cPMC12-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£11.42

PANEL MOUNT – VALVED FEMALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cPMCD18-1032	10-32 UNF	£16.86

UNVALVED

cPMC18-1032	10-32 UNF	£16.55
-------------	-----------	--------

COUPLING INSERTS

**PIPE THREAD – VALVED
MALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
cPMCD24-02	1/8" NPT	£9.07
cPMCD24-04	1/4" NPT	£9.24
cPMCD24-020	1/8" BSPT	£9.26
cPMCD24-040	1/4" BSPT	£12.48

UNVALVED

cPMC24-02	1/8" NPT	£2.88
cPMC24-04	1/4" NPT	£3.27
cPMC24-020	1/8" BSPT	£3.09

**PANEL MOUNT – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD42-01	1/16" ID	1.6 mm ID	£14.78
cPMCD42-02	1/8" ID	3.2 mm ID	£12.03
cPMCD42-03	3/16" ID	4.8 mm ID	£12.77
cPMCD42-04	1/4" ID	6.4 mm ID	£12.44

UNVALVED

cPMC42-01	1/16" ID	1.6 mm ID	£8.46
cPMC42-02	1/8" ID	3.2 mm ID	£6.57
cPMC42-03	3/16" ID	4.8 mm ID	£6.80
cPMC42-04	1/4" ID	6.4 mm ID	£6.89

**IN-LINE – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD22-01	1/16" ID	1.6 mm ID	£9.22
cPMCD22-02	1/8" ID	3.2 mm ID	£8.00
cPMCD22-03	3/16" ID	4.8 mm ID	£8.46
cPMCD22-04	1/4" ID	6.4 mm ID	£8.16

UNVALVED

cPMC22-01	1/16" ID	1.6 mm ID	£2.50
cPMC22-02	1/8" ID	3.2 mm ID	£1.65
cPMC22-03	3/16" ID	4.8 mm ID	£1.70
cPMC22-04	1/4" ID	6.4 mm ID	£1.78

**PANEL MOUNT – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD40-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£15.00

UNVALVED

cPMC40-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£9.52
-----------	-------------------	--------------	-------

**IN-LINE – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD20-M42	-	4 x 2 mm	£16.09
cPMCD20-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£15.25
cPMCD20-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£8.16
cPMCD20-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£11.13

UNVALVED

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMC20-M42	-	4 x 2 mm	£5.57
cPMC20-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£4.47
cPMC20-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£4.21
cPMC20-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£5.97

**ELBOW – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD23-02	1/8" ID	3.2 mm ID	£11.80
cPMCD23-04	1/4" ID	6.4 mm ID	£12.03

UNVALVED

cPMC23-02	1/8" ID	3.2 mm ID	£5.05
cPMC23-04	1/4" ID	6.4 mm ID	£5.05

**ELBOW – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD21-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£12.56

UNVALVED

cPMC21-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£4.77
cPMC21-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£4.70

**IN-LINE – VALVED
FEMALE THREAD**



800

PART NUMBER	TUBING SIZE	PRICE
cPMCD28-1032	10-32 UNF	£12.76

UNVALVED

cPMC28-1032	10-32 UNF	£6.01
-------------	-----------	-------

Colour coded versions also available. Minimum quantities will apply.

1/16" ID hose barbs are shrouded, all other sizes are unshrouded





FEATURES	BENEFITS
<ul style="list-style-type: none"> • Polypropylene material • EPDM O-ring • CPC thumb latch • Integral terminations 	<ul style="list-style-type: none"> • Chemically resistant and gamma sterilisable • Greater chemical resistance • One hand connection and disconnection • Fewer leak points, shorter assemblies, faster installations
SPECIFICATIONS	
Bodies and valves	Polypropylene
Internal spring	316 stainless steel
External springs, pin, latch	Stainless steel
Seal material	EPDM, others available
Colour	Almond
Working pressure	Vacuum to 120 psi (8.3 bar)
Operating temperature	0°C to 71°C (32°F to 160°F)



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cPMCD100212	1/8" NPT	£10.96
cPMCD100412	1/4" NPT	£11.56
cPMCD102120	1/8" BSPT	£11.86
cPMCD104120	1/4" BSPT	£11.35

UNVALVED

cPMC100212	1/8" NPT	£9.22
cPMC100412	1/4" NPT	£10.18
cPMC102120	1/8" BSPT	£11.44
cPMC104120	1/4" BSPT	£11.87

PANEL MOUNT – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD160112	1/16" ID	1.6 mm ID	£17.09
cPMCD160212	1/8" ID	3.2 mm ID	£15.24
cPMCD160412	1/4" ID	6.4 mm ID	£16.25

UNVALVED

cPMC160112	1/16" ID	1.6 mm ID	£16.52
cPMC160212	1/8" ID	3.2 mm ID	£14.98
cPMC160412	1/4" ID	6.4 mm ID	£15.02

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD170112	1/16" ID	1.6 mm ID	£16.83
cPMCD170212	1/8" ID	3.2 mm ID	£14.89
cPMCD170412	1/4" ID	6.4 mm ID	£15.45

UNVALVED

cPMC170112	1/16" ID	1.6 mm ID	£12.64
cPMC170212	1/8" ID	3.2 mm ID	£10.73
cPMC170412	1/4" ID	6.4 mm ID	£10.89

PANEL MOUNT – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD120412	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£17.19

UNVALVED

cPMC120412	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£17.12
------------	-------------------	--------------	--------

IN-LINE – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD130412	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£16.24

Colour coded versions also available. Minimum quantities will apply.

COUPLING INSERTS

**PIPE THREAD – VALVED
MALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
cPMCD240212	1/8" NPT	£11.75

UNVALVED

cPMC240212	1/8" NPT	£5.07
------------	----------	-------

**PANEL MOUNT – VALVED
POLYPROPYLENE INSERT, PTF**



800

PART NUMBER	THREAD SIZE	METRIC EQ.	PRICE
cPMCD400412	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£17.85

**IN-LINE – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD200412	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£12.25

UNVALVED

cPMC200412	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£5.67
------------	-------------------	--------------	-------

**PANEL MOUNT – VALVED
HOSE BARB
POLYPROPYLENE INSERT**



800

PART NUMBER	THREAD SIZE	METRIC EQ.	PRICE
cPMCD420112	1/16" ID	1.6 mm ID	£18.10
cPMCD420212	1/8" ID	3.2 mm ID	£16.90
cPMCD420412	1/4" ID	6.4 mm ID	£17.54

UNVALVED

cPMC420212	1/8" ID	3.2 mm ID	£14.64
cPMC420412	1/4" ID	6.4 mm ID	£15.22

**IN-LINE – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD220112	1/16" ID	1.6 mm ID	£13.92
cPMCD220212	1/8" ID	3.2 mm ID	£10.22
cPMCD220412	1/4" ID	6.4 mm ID	£11.62

UNVALVED

cPMC220112	1/16" ID	1.6 mm ID	£4.74
cPMC220212	1/8" ID	3.2 mm ID	£3.00
cPMC220412	1/4" ID	6.4 mm ID	£3.13

**ELBOW – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD212512	5/32" OD, 0.10" ID	4 x 2.5 mm	£18.22
cPMCD210412	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£18.36

UNVALVED

cPMC2102512	5/32" OD, 0.10" ID	4 x 2.5 mm	£6.38
cPMC210412	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£5.98

**ELBOW – VALVED
HOSE BARB**

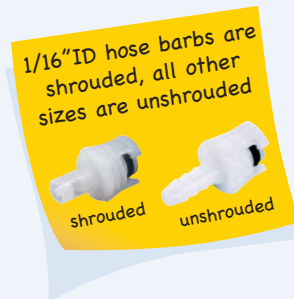


800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMCD230212	1/8" ID	3.2 mm ID	£15.61
cPMCD230412	1/4" ID	6.4 mm ID	£15.73

UNVALVED

cPMC230212	1/8" ID	3.2 mm ID	£8.17
cPMC230412	1/4" ID	6.4 mm ID	£8.42



FEATURES	BENEFITS
<ul style="list-style-type: none"> • Polypropylene material • EPDM O-ring • CPC thumb latch • Integral terminations 	<ul style="list-style-type: none"> • Chemically resistant and gamma sterilisable • Greater chemical resistance • One hand connection and disconnection • Fewer leak points, shorter assemblies, faster installations
SPECIFICATIONS	
Bodies and valves	Polypropylene
Internal spring	316 stainless steel
External springs, pin, latch	Stainless steel
Seal material	EPDM, others available
Colour	Almond
Working pressure	Vacuum to 120 psi (8.3 bar)
Operating temperature	0°C to 71°C (32°F to 160°F)



1/4-28 COUPLING BODIES

1/4-28 COUPLING INSERTS



IN-LINE – VALVED
1/4 – 28 FLAT BOTTOM PORT

800

PART NUMBER	THREAD SIZE	PRICE
cPMCD192812	1/4 – 28 UNF	£15.93



IN-LINE – VALVED
1/4 – 28 FLAT BOTTOM PORT

800

PART NUMBER	THREAD SIZE	PRICE
cPMCD242812	1/4 – 28 UNF	£12.53

UNVALVED

cPMC242812	1/4 – 28 UNF	£9.54
------------	--------------	-------



PANEL MOUNT – VALVED
1/4 – 28 FLAT BOTTOM PORT

800

PART NUMBER	THREAD SIZE	PRICE
cPMCD182812	1/4 – 28 UNF	£16.54



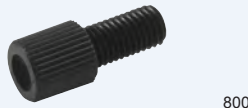
PANEL MOUNT – VALVED
1/4 – 28 FLAT BOTTOM PORT

800

PART NUMBER	THREAD SIZE	PRICE
cPMCD482812	1/4 – 28 UNF	£16.59

PMC12 ACCESSORIES

NUTS BLACK ACETAL



800

PART NUMBER	TUBING SIZE	DESCRIPTION	PRICE
c2419199	1/16" & 1.8 mm	1/4 – 28	£6.78
c2419299	1/8" & 3.0 mm	1/4 – 28	£6.99

NATURAL POLYPROPYLENE

PART NUMBER	TUBING SIZE	DESCRIPTION	PRICE
c2418900	1/16" & 1.8 mm	1/4 – 28	£6.81
c2419000	1/8" & 3.0 mm	1/4 – 28	£7.46

Black acetal shown

FERRULES



800

PART NUMBER	TUBING SIZE	DESCRIPTION	PRICE
c2419300	1/16"	ETFE (blue)	£6.88
c2419400	1/8"	ETFE (yellow)	£6.69

FEATURES	BENEFITS
<ul style="list-style-type: none"> Acetal and the FKM seals are compatible with petrol Thumb latch design Leak proof seal 	<ul style="list-style-type: none"> Operates in hostile environments One hand operation Positive, intuitive latching Faster tank removal Eliminates need for stopcock to shut off flow
SPECIFICATIONS	
Coupling – PLC Series	Acetal
Coupling – LC Series	Chrome plated brass
Thumb latch	301 stainless steel
Valves	Acetal
Valve springs	316 stainless steel
Seal material	FKM



THERMOPLASTIC COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cPLCD10040V	1/4" BSPT	£10.72

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD17004V	1/4" ID	6.4 mm ID	£9.90
cPLCD17005V	5/16" ID	7.9 mm ID	£9.90
cPLCD17006V	3/8" ID	9.5 mm ID	£9.90

THERMOPLASTIC COUPLING INSERTS

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD22004V	1/4" ID	6.4 mm ID	£9.94
cPLCD22005V	5/16" ID	7.9 mm ID	£9.94
cPLCD22006V	3/8" ID	9.5 mm ID	£9.94

ELBOW – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD23004V	1/4" ID	6.4 mm ID	£13.81
cPLCD23006V	3/8" ID	9.5 mm ID	£16.43

BRASS COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cLCD100040V	1/4" BSPT	£23.06

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLCD170-04V	1/4" ID	6.4 mm ID	£35.02
cLCD170-05V	5/16" ID	7.9 mm ID	£38.16

BRASS COUPLING INSERTS

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLCD220-04V	1/4" ID	6.4 mm ID	£22.63
cLCD220-05V	5/16" ID	7.9 mm ID	£24.25

ELBOW – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLCD230-04V	1/4" ID	6.4 mm ID	£23.07
cLCD230-06V	3/8" ID	9.5 mm ID	£24.30



FEATURES	BENEFITS
<ul style="list-style-type: none"> • Integral terminations • Clicks when connected • Compatibility • CPC thumb latch 	<ul style="list-style-type: none"> • One hand connection and disconnection • Fewer leak points, shorter assemblies, faster installations • Assurance of a reliable connection • Mates with LC Series couplings
SPECIFICATIONS	
Bodies and valves	Acetal
Internal spring	316 Stainless steel
External springs, pin, latch	Stainless steel
Seal material	Buna-N
Colour	Natural white, others available
Working pressure	Vacuum to 120 psi (8.3 bar)
Operating temperature	-40°C to +82°C (-40°F to +180°F)



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cPLCD100-04	1/4" NPT	£9.31
cPLCD100-06	3/8" NPT	£9.13
cPLCD100-40	1/4" BSPT	£9.48
cPLCD100060	3/8" BSPT	£9.45

UNVALVED

cPLC100-04	1/4" NPT	£8.19
cPLC100-06	3/8" NPT	£8.09
cPLC100-040	1/4" BSPT	£8.35
cPLC100-060	3/8" BSPT	£8.68

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD170-04	1/4" ID	6.4 mm ID	£8.69
cPLCD170-05	5/16" ID	7.9 mm ID	£8.82
cPLCD170-06	3/8" ID	9.5 mm ID	£8.69

UNVALVED

cPLC170-04	1/4" ID	6.4 mm ID	£5.61
cPLC170-05	5/16" ID	7.9 mm ID	£6.97
cPLC170-06	3/8" ID	9.5 mm ID	£5.61

IN-LINE – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD130-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£12.96
cPLCD130-M8	-	8 x 6 mm	£14.43
cPLCD130-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£13.39
cPLCD130M10	-	10 x 8 mm	£15.67

UNVALVED

cPLC130-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£12.31
cPLC130-M8	-	8 x 6 mm	£14.16
cPLC130-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£12.93
cPLC130-M10	-	10 x 8 mm	£15.01

Colour coded versions also available. Minimum quantities will apply.

PANEL MOUNT – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD160-04	1/4" ID	6.4 mm ID	£17.69
cPLCD160-05	5/16" ID	7.9 mm ID	£18.92
cPLCD160-06	3/8" ID	9.5 mm ID	£17.69

UNVALVED

cPLC160-04	1/4" ID	6.4 mm ID	£15.77
cPLC160-05	5/16" ID	7.9 mm ID	£16.73
cPLC160-06	3/8" ID	9.5 mm ID	£15.55

PANEL MOUNT – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD120-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£18.65
cPLCD120-M8	-	8 x 6 mm	£20.01
cPLCD120-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£18.65
cPLCD120M10	-	10 x 8 mm	£20.42

UNVALVED

cPLC120-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£17.21
cPLC120-M8	-	8 x 6 mm	£18.41
cPLC120-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£17.20
cPLC120-M10	-	10 x 8 mm	£20.81

PANEL MOUNT – VALVED JG® PUSH-TO-CONNECT



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD110-04	1/4" OD	6.4 mm OD	£18.70

IN-LINE – VALVED JG PUSH-TO-CONNECT



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD140-04	1/4" OD	6.4 mm OD	£14.92
cPLCD140-06	3/8" OD	9.5 mm OD	£14.87

UNVALVED

cPLC140-04	1/4" OD	6.4 mm OD	£14.20
cPLC140-06	3/8" OD	9.5 mm OD	£14.13

COUPLING INSERTS

**PIPE THREAD – VALVED
MALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
cPLCD240-04	1/4" NPT	£8.92
cPLCD240-06	3/8" NPT	£8.99
cPLCD240040	1/4" BSPT	£9.05
cPLCD240060	3/8" BSPT	£9.18

UNVALVED

cPLC240-04	1/4" NPT	£2.76
cPLC240-06	3/8" NPT	£2.45
cPLC240-040	1/4" BSPT	£3.36
cPLC240-060	3/8" BSPT	£2.68

**IN-LINE – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD220-04	1/4" ID	6.4 mm ID	£8.17
cPLCD220-05	5/16" ID	7.9 mm ID	£8.28
cPLCD220-06	3/8" ID	9.5 mm ID	£8.17

UNVALVED

cPLC220-04	1/4" ID	6.4 mm ID	£1.60
cPLC220-05	5/16" ID	7.9 mm ID	£1.88
cPLC220-06	3/8" ID	9.5 mm ID	£1.43

**IN-LINE – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD200-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£10.22
cPLCD200-M8	-	8 x 6 mm	£12.27
cPLCD200-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£10.22
cPLCD200M10	-	10 x 8 mm	£18.17

UNVALVED

cPLC200-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£4.71
cPLC200-M8	-	8 x 6 mm	£10.58
cPLC200-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£5.14
cPLC200-M10	-	10 x 8 mm	£10.80

**PANEL MOUNT – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD420-04	1/4" ID	6.4 mm ID	£12.20
cPLCD420-05	5/16" ID	7.9 mm ID	£13.30
cPLCD420-06	3/8" ID	9.5 mm ID	£12.93

UNVALVED

cPLC420-04	1/4" ID	6.4 mm ID	£5.62
cPLC420-05	5/16" ID	7.9 mm ID	£7.52
cPLC420-06	3/8" ID	9.5 mm ID	£6.71

Also available NSF listed

**PANEL MOUNT – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD400-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£11.61
cPLCD400-M8	-	8 x 6 mm	£15.96
cPLCD400-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£14.41
cPLCD400M10	-	10 x 8 mm	£17.88

UNVALVED

cPLC400-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£10.02
cPLC400-M8	-	8 x 6 mm	£10.68
cPLC400-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£9.51
cPLC400-M10	-	10 x 8 mm	£12.42

**ELBOW – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD230-04	1/4" ID	6.4 mm ID	£11.61
cPLCD230-06	3/8" ID	9.5 mm ID	£11.61

UNVALVED

cPLC230-04	1/4" ID	6.4 mm ID	£4.67
cPLC230-06	3/8" ID	9.5 mm ID	£4.67

**ELBOW – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD210-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£12.36

UNVALVED

cPLC210-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£5.01
------------	-------------------	--------------	-------

**PANEL MOUNT – VALVED
JG PUSH-TO-CONNECT**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD410-04	1/4" OD	6.4 mm OD	£15.96

UNVALVED

cPLC410-04	1/4" OD	6.4 mm OD	£13.75
------------	---------	-----------	--------

**IN-LINE – VALVED
JG PUSH-TO-CONNECT**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD290-04	1/4" OD	6.4 mm OD	£12.42
cPLCD290-06	3/8" OD	9.5 mm OD	£13.81

UNVALVED

cPLC290-04	1/4" OD	6.4 mm OD	£8.35
cPLC290-06	3/8" OD	9.5 mm OD	£10.11



FEATURES	BENEFITS
<ul style="list-style-type: none"> • Polypropylene material • EPDM O-ring • CPC thumb latch • Integral terminations 	<ul style="list-style-type: none"> • Chemically resistant and gamma sterilisable • Greater chemical resistance • One hand connection and disconnection • Fewer leak points, shorter assemblies, faster installations
SPECIFICATIONS	
Bodies and valves	Polypropylene
Internal spring	316 stainless steel
External springs, pin, latch	Stainless steel
Seal material	EPDM
Colour	Almond
Working pressure	Vacuum to 120 psi (8.3 bar)
Operating temperature	0°C to 71°C (32°F to 160°F)



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cPLCD100412	1/4" NPT	£12.12
cPLCD100612	3/8" NPT	£14.92
cPLCD104120	1/4" BSPT	£12.59
cPLCD106120	3/8" BSPT	£15.24

UNVALVED

cPLC100412	1/4" NPT	£10.25
cPLC100612	3/8" NPT	£12.10
cPLC104120	1/4" BSPT	£11.31
cPLC106120	3/8" BSPT	£13.39

PANEL MOUNT – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD160412	1/4" ID	6.4 mm ID	£21.72
cPLCD160612	3/8" ID	9.5 mm ID	£21.78

UNVALVED

cPLC1600412	1/4" ID	6.4 mm ID	£19.21
cPLC1600612	3/8" ID	9.5 mm ID	£19.24

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD170412	1/4" ID	6.4 mm ID	£15.61

UNVALVED

cPLC1700412	1/4" ID	6.4 mm ID	£12.89
cPLC1700612	3/8" ID	9.5 mm ID	£13.18

PANEL MOUNT – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLC1200612	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£21.12

UNVALVED

cPLC1200612	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£21.12
-------------	-------------------	--------------	--------

IN-LINE – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD130612	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£22.51

UNVALVED

cPLC130612	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£19.23
------------	-------------------	--------------	--------

You may also need ...

Tube fittings

- Shrouded design eliminates barb breakage
- For tubing sizes ranging from 1/16"



... on pages 101 – 104, section 2

COUPLING INSERTS

**PIPE THREAD – VALVED
MALE THREAD**



PART NUMBER	THREAD SIZE	PRICE
cPLCD240412	1/4" NPT	£13.76

UNVALVED

cPLC2400412	1/4" NPT	£7.92
-------------	----------	-------

**ELBOW – VALVED
HOSE BARB**



PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD230412	1/4" ID	6.4 mm ID	£14.61
cPLCD230612	3/8" ID	9.5 mm ID	£15.32

UNVALVED

cPLC2300412	1/4" ID	6.4 mm ID	£9.55
cPLC2300612	3/8" ID	9.5 mm ID	£9.92

**IN-LINE – VALVED
HOSE BARB**



PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD220412	1/4" ID	6.4 mm ID	£11.36
cPLCD220612	3/8" ID	9.5 mm ID	£13.44

UNVALVED

cPLC2200412	1/4" ID	6.4 mm ID	£2.86
cPLC2200612	3/8" ID	9.5 mm ID	£2.92

**ELBOW – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD210612	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£18.17

UNVALVED

cPLC2100612	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£10.19
-------------	-------------------	--------------	--------

**IN-LINE – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD200612	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£15.79

UNVALVED

cPLC2000612	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£7.76
-------------	-------------------	--------------	-------

**PANEL MOUNT – VALVED
HOSE BARB**



PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD420412	1/4" ID	6.4 mm ID	£14.26
cPLCD420612	3/8" ID	9.5 mm ID	£17.59

UNVALVED

cPLC4200412	1/4" ID	6.4 mm ID	£10.91
cPLC4200612	3/8" ID	9.5 mm ID	£11.13

Custom Colours
Colder couplings are available in custom colours. Acetal products can be dyed or moulded in various colours and polypropylene can be moulded in the colour of your choice. **Minimum order quantities do apply.** Please contact your distributor for more details.

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Plastic thumb latch • Shrouded thumb latch • Integral terminations • Compatible 	<ul style="list-style-type: none"> • No exposed metal parts • Protects against accidental disconnection • Fewer leak points, shorter assemblies, faster installations • Mates with most EFC couplings
SPECIFICATIONS	
Coupling colour	Acetal / white
Latch colour	Acetal / grey
Seal material	Buna-N
Valve spring	316 stainless steel
Valve	Acetal
Lubricants	Silicone, others available
Working pressure	Vacuum to 120 psi (8.3 bar)
Operating temperature	-40°C to +82°C (-40°F to +180°F)

Also available NSF listed



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cAPCD100-04	1/4" NPT	£6.74
cAPCD100-06	3/8" NPT	£7.03
cAPCD100040	1/4" BSPT	£7.00
cAPCD100060	3/8" BSPT	£7.46

UNVALVED

cAPC100-04	1/4" NPT	£4.05
cAPC100-06	3/8" NPT	£4.14
cAPC100-040	1/4" BSPT	£4.31
cAPC100-060	3/8" BSPT	£4.50

IN-LINE – UNVALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cAPC170-04	1/4" ID	6.4 mm ID	£2.22
cAPC170-06	3/8" ID	9.5 mm ID	£2.22

IN-LINE – VALVED with shroud HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cAPCD17004S	1/4" ID	6.4 mm ID	£8.08
cAPCD17006S	3/8" ID	9.5 mm ID	£8.01

UNVALVED with shroud

cAPC17004S	1/4" ID	6.4 mm ID	£7.78
cAPC170-06S	3/8" ID	9.5 mm ID	£6.91

IN-LINE – VALVED with shroud FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cAPCD13004S	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£11.42
cAPCD13M8S	-	8 x 6 mm	£11.57
cAPCD13006S	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£11.80

UNVALVED with shroud

cAPC130-04S	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£10.16
cAPC130-06S	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£10.88

PANEL MOUNT – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cAPCD160-04	1/4" ID	6.4 mm ID	£16.80
cAPCD160-05	5/16" ID	7.9 mm ID	£17.97
cAPCD160-06	3/8" ID	9.5 mm ID	£16.44

UNVALVED

cAPC160-04	1/4" ID	6.4 mm ID	£14.58
cAPC160-05	5/16" ID	7.9 mm ID	£16.26
cAPC160-06	3/8" ID	9.5 mm ID	£14.69

PANEL MOUNT – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cAPCD120-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£18.05
cAPCD120M8	-	8 x 6 mm	£18.90
cAPCD120-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£17.12
cAPCD120M10	-	10 x 8 mm	£19.53

UNVALVED

cAPC120-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£15.97
cAPC120-M8	-	8 x 6 mm	£17.32

COUPLING INSERTS

**PIPE THREAD – VALVED
MALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
cAPCD240-04	1/4" NPT	£8.52
cAPCD240-06	3/8" NPT	£8.81
cAPCD240040	1/4" BSPT	£9.49
cAPCD240060	3/8" BSPT	£9.86

UNVALVED

cAPC240-04	1/4" NPT	£1.72
cAPC240-06	3/8" NPT	£3.32
cAPC240-040	1/4" BSPT	£2.11

**ELBOW – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cAPCD230-04	1/4" ID	6.4 mm ID	£10.80
cAPCD230-06	3/8" ID	9.5 mm ID	£11.01

UNVALVED

cAPC230-04	1/4" ID	6.4 mm ID	£2.10
cAPC230-06	3/8" ID	9.5 mm ID	£2.09

**IN-LINE – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cAPCD220-04	1/4" ID	6.4 mm ID	£8.01
cAPCD220-06	3/8" ID	9.5 mm ID	£7.92

UNVALVED

cAPC220-04	1/4" ID	6.4 mm ID	£1.26
cAPC220-06	3/8" ID	9.5 mm ID	£1.26

**ELBOW – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cAPCD210-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£10.98
cAPCD210-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£11.19

UNVALVED

cAPC210-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£9.16
------------	-------------------	--------------	-------

**IN-LINE – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cAPCD200-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£8.88
cAPCD200M8	–	8 x 6 mm	£10.63
cAPCD200-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£9.49
cAPCD200M10	–	10 x 8 mm	£11.85

UNVALVED

cAPC200-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£5.80
cAPC200-M8	–	8 x 6 mm	£5.80
cAPC200-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£5.65

ACCESSORIES



800

GASKETS

PART NUMBER	DESCRIPTION	PRICE
c1830300	Buna-N panel mount gasket	£1.03

CAD drawings are available for all Colder couplings. These files are available in many formats including STEP, IGES and native file formats. Please contact your distributor for more details.

NSF Standard
The APC series is available in NSF listed versions for food and beverage dispensing. Please contact your distributor for more details.

FEATURES	BENEFITS
<ul style="list-style-type: none"> • High efficiency valve • Plastic thumb latch • Polypropylene material • Compatible 	<ul style="list-style-type: none"> • More flow in a compact size • Fewer moving parts • Chemically resistant and gamma sterilisable • Mates with most APC couplings
SPECIFICATIONS	
Coupling	Polypropylene
Valve spring	316 stainless steel
Latch spring	302 stainless steel
Seal material	EPDM, others available
Colour	Light grey, charcoal grey latch
Working pressure	Vacuum to 105 psi (7.2 bar)
Operating temperature	0°C to 71°C (32°F to 160°F)
Flow – 1/4" hose barb	0.18" flow
Flow – 3/8" hose barb	0.28" flow


COUPLING BODIES

**PIPE THREAD – VALVED
MALE THREAD**

800

PART NUMBER	THREAD SIZE	PRICE
cEFC104-12	1/4" NPT	£15.13
cEFC106-12	3/8" NPT	£15.86

COUPLING INSERTS

**PIPE THREAD – VALVED
MALE THREAD**

800

PART NUMBER	THREAD SIZE	PRICE
cEFC244-12	1/4" NPT	£14.96
cEFC246-12	3/8" NPT	£15.62


**IN-LINE – VALVED
HOSE BARB**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cEFC174-12	1/4" ID	6.4 mm ID	£15.97
cEFC176-12	3/8" ID	9.5 mm ID	£16.43


**IN-LINE – VALVED
HOSE BARB**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cEFC224-12	1/4" ID	6.4 mm ID	£13.70
cEFC226-12	3/8" ID	9.5 mm ID	£14.57

UNVALVED

cEFC224-12	1/4" ID	6.4 mm ID	£3.97
cEFC226-12	3/8" ID	9.5 mm ID	£2.64


**BULKHEAD PANEL MOUNT –
VALVED
HOSE BARB**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cEFC164-12	1/4" ID	6.4 mm ID	£21.89
cEFC166-12	3/8" ID	9.5 mm ID	£21.89


**ELBOWS – VALVED
HOSE BARB**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cEFC234-12	1/4" ID	6.4 mm ID	£18.21
cEFC236-12	3/8" ID	9.5 mm ID	£17.64

UNVALVED

cEFC234-12	1/4" ID	6.4 mm ID	£9.71
cEFC236-12	3/8" ID	9.5 mm ID	£10.37

ACCESSORIES

GASKETS

800

PART NUMBER	DESCRIPTION	PRICE
c668400	EPDM Panel Mount Gasket	£1.68



FEATURES	BENEFITS
<ul style="list-style-type: none"> • No valves • Smooth interior bore • Ergonomic design 	<ul style="list-style-type: none"> • Exceptional flow • Low turbulence • Physically strong and autoclavable • Easy to grip, simple to operate
SPECIFICATIONS	
Main components	Polysulfone
Thumb latch	Polysulfone
External spring	316 stainless steel
Seal material	FDA compliant Buna-N
Panel mount gasket	EPDM
Colour	Natural white, charcoal grey latch
Working pressure	Vacuum to 125 psi (8.6 bar)
Operating temperature	-40°C to +138°C (-40°F to +280°F)
Suggested tubing	PVC, silicone, reinforced PVC, polyurethane, rubber, latex



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

COUPLING INSERTS

**PIPE THREAD – UNVALVED
MALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
cFFC108-35	1/2" NPT	£19.35
cFFC1012-35	3/4" NPT	£21.45
cFFC108-350	1/2" BSPT	£20.75
cFFC101235G	3/4" garden hose	£22.31

**PIPE THREAD – UNVALVED
MALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
cFFC248-35	1/2" NPT	£12.31
cFFC2412-35	3/4" NPT	£13.52
cFFC248-350	1/2" BSPT	£14.12
cFFC2412350	3/4" BSPT	£14.22

**PIPE THREAD – UNVALVED
FEMALE THREAD
Includes FDA EPDM Gasket**



800

PART NUMBER	THREAD SIZE	PRICE
cFFC191235B	3/4" BSPP	£25.19

**PIPE THREAD – UNVALVED
FEMALE THREAD
Includes FDA EPDM Gasket**



800

PART NUMBER	THREAD SIZE	PRICE
cFFC261235B	3/4" BSPP	£16.39

**IN-LINE – UNVALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cFFC1712-35	3/4" ID	19.0 mm ID	£19.49

**IN-LINE – UNVALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cFFC2212-35	3/4" ID	19.0 mm ID	£10.85

**BULKHEAD PANEL MOUNT
UNVALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cFFC1612-35	3/4" ID	19.0 mm ID	£26.90

**CAPS / PLUGS
NON-SEALING**



800

PART NUMBER	DESCRIPTION	PRICE
cHFC312L	For HFC and FFC (on leash)	£2.47

FEATURES	BENEFITS
<ul style="list-style-type: none"> • High efficiency valve • Ergonomic design • Compatible 	<ul style="list-style-type: none"> • More flow and less spillage in a compact size • Easy to grip, simple to operate • Chemically resistant and gamma sterilisable • Mates with HFC35 and HFC57 couplings
SPECIFICATIONS	
Coupling	Polypropylene
Seal material	EPDM
Springs	316 stainless steel
Panel mount gasket	EPDM
Colour	Light grey, charcoal grey latch
Working pressure	Vacuum to 60 psi (4.2 bar)
Operating temperature	0°C to 71°C (32°F to 160°F)
Suggested tubing	PVC, silicone, reinforced PVC, polyurethane, rubber, latex



Also available NSF listed

Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cHFCD106-12	3/8" NPT	£17.30
cHFCD108-12	1/2" NPT	£17.38
cHFCD101212	3/4" NPT	£18.33
cHFCD106120	3/8" BSPT	£18.29

UNVALVED

cHFC106-12	3/8" NPT	£14.53
cHFC108-12	1/2" NPT	£13.72
cHFC101212	3/4" NPT	£14.84
cHFC106120	3/8" BSPT	£15.46

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFCD176-12	3/8" ID	9.5 mm ID	£18.24
cHFCD178-12	1/2" ID	12.7 mm ID	£18.24
cHFCD171012	5/8" ID	15.9 mm ID	£19.61
cHFCD171212	3/4" ID	19.0 mm ID	£18.68

UNVALVED

cHFC176-12	3/8" ID	9.5 mm ID	£14.79
cHFC178-12	1/2" ID	12.7 mm ID	£15.14
cHFC1710-12	5/8" ID	15.9 mm ID	£16.88
cHFC1712-12	3/4" ID	19.0 mm ID	£15.78

IN-LINE – VALVED COMPRESSION



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFCD136-12	3/8" OD	9.5 mm OD	£23.18
cHFCD138-12	1/2" OD	12.7 mm OD	£24.26

UNVALVED

cHFC138-12	1/2" OD	12.7 mm OD	£20.63
------------	---------	------------	--------

BULKHEAD PANEL MOUNT – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFCD166-12	3/8" ID	9.5 mm ID	£23.52
cHFCD168-12	1/2" ID	12.7 mm ID	£23.44
cHFCD161012	5/8" ID	15.9 mm ID	£25.87
cHFCD161212	3/4" ID	19.0 mm ID	£24.10

UNVALVED

cHFC166-12	3/8" ID	9.5 mm ID	£20.71
cHFC168-12	1/2" ID	12.7 mm ID	£21.53
cHFC1610-12	5/8" ID	15.9 mm ID	£22.17
cHFC1612-12	3/4" ID	19.0 mm ID	£21.66

BULKHEAD PANEL MOUNT – VALVED COMPRESSION



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFCD126-12	3/8" OD	9.5 mm OD	£28.34
cHFCD128-12	1/2" OD	12.7 mm OD	£29.52

UNVALVED

cHFC126-12	3/8" OD	9.5 mm OD	£25.06
cHFC128-12	1/2" OD	12.7 mm OD	£25.86

COUPLING INSERTS

**PIPE THREAD – VALVED
MALE THREAD**

800

PART NUMBER	THREAD SIZE	PRICE
cHFC246-12	3/8" NPT	£14.11
cHFC248-12	1/2" NPT	£14.07
cHFC2412-12	3/4" NPT	£14.50
cHFC246120	3/8" BSPT	£14.84

UNVALVED

cHFC246-12	3/8" NPT	£6.63
cHFC248-12	1/2" NPT	£6.63
cHFC2412-12	3/4" NPT	£7.70
cHFC246-120	3/8" BSPT	£8.09


**IN-LINE – VALVED
COMPRESSION**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFC206-12	3/8" OD	9.5 mm OD	£20.19
cHFC208-12	1/2" OD	12.7 mm OD	£20.11

UNVALVED

cHFC206-12	3/8" OD	9.5 mm OD	£12.31
cHFC208-12	1/2" OD	12.7 mm OD	£12.27


**IN-LINE – VALVED
HOSE BARB**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFC226-12	3/8" ID	9.5 mm ID	£13.84
cHFC228-12	1/2" ID	12.7 mm ID	£13.99
cHFC221012	5/8" ID	15.9 mm ID	£14.59
cHFC221212	3/4" ID	19.0 mm ID	£14.30

UNVALVED

cHFC226-12	3/8" ID	9.5 mm ID	£6.40
cHFC228-12	1/2" ID	12.7 mm ID	£6.25
cHFC2210-12	5/8" ID	15.9 mm ID	£6.84
cHFC2212-12	3/4" ID	19.0 mm ID	£7.11


**ELBOWS – VALVED
HOSE BARB**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFC236-12	3/8" ID	9.5 mm ID	£16.44
cHFC238-12	1/2" ID	12.7 mm ID	£16.15
cHFC231212	3/4" ID	19.0 mm ID	£11.61

UNVALVED

cHFC2312-12	3/4" ID	19.0 mm ID	£12.02
-------------	---------	------------	--------


**PANEL MOUNT – VALVED
HOSE BARB**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFC42612	3/8" ID	9.5 mm ID	£22.19
cHFC42812	1/2" ID	12.7 mm ID	£22.19
cHFC421212	3/4" ID	19.0 mm ID	£23.61

UNVALVED

cHFC42612	3/8" ID	9.5 mm ID	£21.33
cHFC42812	1/2" ID	12.7 mm ID	£20.64


**PANEL MOUNT ELBOW
VALVED
HOSE BARB**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFC43812	1/2" ID	12.7 mm ID	£25.72
cHFC431212	3/4" ID	19.0 mm ID	£25.86

UNVALVED

cHFC43812	1/2" ID	12.7 mm ID	£23.95
-----------	---------	------------	--------



FEATURES	BENEFITS
<ul style="list-style-type: none"> • Automatic shut-off valves • Audible "click" when engaged • Sterilisable by autoclave, ETO, e-beam, or gamma • Lightweight 	<ul style="list-style-type: none"> • Stops flow and eliminates need for awkward pinch clamps • Confidence of a secure connection • Physical strength, durability and an excellent replacement for stainless steel • Reusable and compatible with your existing processes • Removes extra weight from assemblies
SPECIFICATIONS	
Coupling	Polysulfone
Seal material	EPDM
Springs	316 stainless steel
Panel mount gasket	EPDM
Colour	Natural white, charcoal grey latch
Working pressure	Vacuum to 125 psi (8.6 bar)
Operating temperature	-40°C to +138°C (-40°F to +280°F)
Suggested tubing	PVC, silicone, reinforced PVC, polyurethane, rubber, latex



Also available NSF listed

Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cHFCD106-35	3/8" NPT	£23.87
cHFCD108-35	1/2" NPT	£23.22
cHFCD101235	3/4" NPT	£24.30
cHFCD106350	3/8" BSPT	£23.62
cHFCD108350	1/2" BSPT	£23.60
cHFCD102350	3/4" BSPT	£25.08

UNVALVED

cHFC106-35	3/8" NPT	£20.28
cHFC1012-35	3/4" NPT	£20.78
cHFC108-350	1/2" BSPT	£20.05
cHFC1012350	3/4" BSPT	£21.02
cHFC101235G	3/4" Garden Hose	£19.46

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFCD176-35	3/8" ID	9.5 mm ID	£22.69
cHFCD178-35	1/2" ID	12.7 mm ID	£22.73
cHFCD171035	5/8" ID	15.9 mm ID	£25.64
cHFCD171235	3/4" ID	19.0 mm ID	£24.20

UNVALVED

cHFC176-35	3/8" ID	9.5 mm ID	£18.98
cHFC178-35	1/2" ID	12.7 mm ID	£19.23
cHFC1710-35	5/8" ID	15.9 mm ID	£20.30

PIPE THREAD – VALVED FEMALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cHFCD19235B	3/4" BSPP	£27.33
cHFCD19235G	3/4" Garden Hose	£25.89

UNVALVED

cHFC191235B	3/4" BSPP	£22.20
cHFC191235G	3/4" Garden Hose	£22.26

BULKHEAD PANEL MOUNT VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFCD166-35	3/8" ID	9.5 mm ID	£29.25
cHFCD168-35	1/2" ID	12.7 mm ID	£29.96
cHFCD161035	5/8" ID	15.9 mm ID	£32.40
cHFCD161235	3/4" ID	19.0 mm ID	£32.19

UNVALVED

cHFC166-35	3/8" ID	9.5 mm ID	£25.31
cHFC168-35	1/2" ID	12.7 mm ID	£24.99
cHFC1610-35	5/8" ID	15.9 mm ID	£27.51

COUPLING INSERTS

**PIPE THREAD – VALVED
MALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
CHFC246-35	3/8" NPT	£17.43
CHFC248-35	1/2" NPT	£17.52
CHFC241235	3/4" NPT	£18.56
CHFC246350	3/8" BSPT	£18.09
CHFC248350	1/2" BSPT	£17.67
CHFC242350	3/4" BSPT	£18.73
CHFC24235G	3/4" garden hose	£18.14

UNVALVED

CHFC246-35	3/8" NPT	£11.26
CHFC248-35	1/2" NPT	£10.93
CHFC2412-35	3/4" NPT	£11.38
CHFC248-350	1/2" BSPT	£11.25
CHFC241235G	3/4" garden hose	£11.54

**IN-LINE – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
CHFC226-35	3/8" ID	9.5 mm ID	£15.84
CHFC228-35	1/2" ID	12.7 mm ID	£15.84
CHFC221035	5/8" ID	15.9 mm ID	£17.37
CHFC221235	3/4" ID	19.0 mm ID	£16.55

UNVALVED

CHFC226-35	3/8" ID	9.5 mm ID	£9.30
CHFC228-35	1/2" ID	12.7 mm ID	£9.32
CHFC2210-35	5/8" ID	15.9 mm ID	£10.38

**PIPE THREAD – VALVED
FEMALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
CHFC26235B	3/4" BSPP	£20.81
CHFC26235G	3/4" garden hose	£20.18

UNVALVED

CHFC261235G	3/4" garden hose	£13.94
-------------	------------------	--------

**ELBOWS – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
CHFC236-35	3/8" ID	9.5 mm ID	£19.86
CHFC238-35	1/2" ID	12.7 mm ID	£19.88

You may also need ...

uPVC fittings

- Lightweight pipe fittings
- Excellent resistance to chemicals
- Ideal for water systems and food products



... on pages 868 – 872, section 16

Material Advice
For advice and help with selecting the correct coupling material, please see page 107.



FEATURES	BENEFITS
<ul style="list-style-type: none"> • High efficiency valve • Ergonomic design • Compatible • Lightweight 	<ul style="list-style-type: none"> • Physically strong and UV resistant • More flow and less spillage in a compact size • Easy to grip, simple to operate • Mates with HFC35 couplings • Removes extra weight from assemblies
SPECIFICATIONS	
Coupling	UV-resistant polysulfone
Seal material	EPDM
Springs	316 stainless steel
Panel mount gasket	EPDM
Colour	Black body and latch
Working pressure	Vacuum to 125 psi (8.6 bar)
Operating temperature	-40°C to +138°C (-40°F to +280°F)
Suggested tubing	PVC, silicone, reinforced PVC, polyurethane, rubber, latex



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cHFCD108-57	1/2" NPT	£25.84
cHFCD102570	3/4" BSPT	£26.82
cHFCD10257G	3/4" garden hose	£25.91

UNVALVED

cHFC108-57	1/2" NPT	£19.63
------------	----------	--------

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFCD176-57	3/8" ID	9.5 mm ID	£23.59
cHFCD178-57	1/2" ID	12.7 mm ID	£23.71
cHFCD171057	5/8" ID	15.9 mm ID	£24.11
cHFCD171257	3/4" ID	19.0 mm ID	£25.57

UNVALVED

cHFC176-57	3/8" ID	9.5 mm ID	£20.39
cHFC178-57	1/2" ID	12.7 mm ID	£21.34
cHFC1712-57	3/4" ID	19.0 mm ID	£20.61

PIPE THREAD – VALVED FEMALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cHFCD19257G	3/4" garden hose	£27.40

UNVALVED

cHFC191257G	3/4" garden hose	£22.29
-------------	------------------	--------

BULKHEAD PANEL MOUNT VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFCD166-57	3/8" ID	9.5 mm ID	£30.17
cHFCD168-57	1/2" ID	12.7 mm ID	£30.35
cHFCD161057	5/8" ID	15.9 mm ID	£32.80
cHFCD161257	3/4" ID	19.0 mm ID	£30.83

Gaskets are included with all female garden hose adaptors



COUPLING INSERTS



**PIPE THREAD – VALVED
MALE THREAD**

800

PART NUMBER	THREAD SIZE	PRICE
cHFC248-57	1/2" NPT	£18.73
cHFC242570	3/4" BSPT	£21.15
cHFC24257G	3/4" garden hose	£18.20

UNVALVED

cHFC248-57	1/2" NPT	£12.11
cHFC246-570	3/8" BSPT	£13.60
cHFC248-570	1/2" BSPT	£12.53
cHFC241257G	3/4" garden hose	£11.52



**IN-LINE – VALVED
HOSE BARB**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cHFC226-57	3/8" ID	9.5 mm ID	£16.23
cHFC228-57	1/2" ID	12.7 mm ID	£16.71
cHFC221057	5/8" ID	15.9 mm ID	£16.65
cHFC221257	3/4" ID	19.0 mm ID	£17.12

UNVALVED

cHFC226-57	3/8" ID	9.5 mm ID	£10.22
cHFC228-57	1/2" ID	12.7 mm ID	£10.28
cHFC2212-57	3/4" ID	19.0 mm ID	£10.23



**PIPE THREAD – VALVED
FEMALE THREAD**

800

PART NUMBER	THREAD SIZE	PRICE
cHFC26257G	3/4" garden hose	£20.16

UNVALVED

cHFC261257G	3/4" garden hose	£15.17
-------------	------------------	--------

Gaskets are included with all female garden hose adaptors

ACCESSORIES



**BULKHEAD PANEL MOUNT
GASKETS**

800

PART NUMBER	COUPLING SERIES	MATERIAL	PRICE
c621200	HFC / FFC	EPDM	£1.56



**GARDEN HOSE THREAD
GASKETS**

800

PART NUMBER	COUPLING SERIES	MATERIAL	PRICE
c2339400	HFC / FFC	FDA / EPDM	£1.19

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Brass material • Chrome plating • High temperature capability • CPC thumb latch • Compatible 	<ul style="list-style-type: none"> • Durable and able to withstand higher pressure and temperature • Attractive appearance • Versions rated to 204°C (400°F) • One hand connection and disconnection • MC mates with PMC and PMC12 series couplings

SPECIFICATIONS	
Bodies	Chrome plated brass
Valves	Acetal
Valve springs	316 stainless steel
External springs, pin, latch	Stainless steel
Seal material	Buna-N
Working pressure	Vacuum to 250 psi (17.3 bar)
Operating temperature	-40°C to +82°C (-40°F to +180°F)



COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cMCD10-02	1/8" NPT	£17.47
cMCD10-04	1/4" NPT	£17.54
cMCD10-020	1/8" BSPT	£18.07
cMCD10-040	1/4" BSPT	£19.40

UNVALVED

cMC10-02	1/8" NPT	£15.52
cMC10-04	1/4" NPT	£15.58
cMC10-020	1/8" BSPT	£16.85

PANEL MOUNT – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cMCD16-02	1/8" ID	3.2 mm ID	£26.37
cMCD16-03	3/16" ID	4.8 mm ID	£28.73
cMCD16-04	1/4" ID	6.4 mm ID	£28.72

UNVALVED

cMC16-02	1/8" ID	3.2 mm ID	£23.89
cMC16-03	3/16" ID	4.8 mm ID	£27.03
cMC16-04	1/4" ID	6.4 mm ID	£24.51

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cMCD17-02	1/8" ID	3.2 mm ID	£27.45
cMCD17-03	3/16" ID	4.8 mm ID	£31.79
cMCD17-04	1/4" ID	6.4 mm ID	£27.72

UNVALVED

cMC17-02	1/8" ID	3.2 mm ID	£26.01
cMC17-03	3/16" ID	4.8 mm ID	£30.46
cMC17-04	1/4" ID	6.4 mm ID	£27.84

IN-LINE – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cMCD13-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£34.43

PANEL MOUNT – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cMCD12-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£32.07
cMCD12-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£30.65

UNVALVED

cMC12-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£31.23
cMC12-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£28.38

PANEL MOUNT – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cMCD15-02	1/8" NPT	£25.76

UNVALVED

cMC15-02	1/8" NPT	£27.58
----------	----------	--------

PANEL MOUNT – VALVED FEMALE THREAD



800

PART NUMBER	TUBING SIZE	PRICE
cMCD18-1032	10-32 UNF	£30.50

UNVALVED

cMC18-1032	10-32 UNF	£28.01
------------	-----------	--------

High temperature version available

Keyed colour coded version available
Please ask for details

Also available NSF listed

COUPLING INSERTS

**PIPE THREAD – VALVED
MALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
cMCD24-02	1/8" NPT	£18.71
cMCD24-04	1/4" NPT	£19.39
cMCD24-020	1/8" BSPT	£19.59

UNVALVED

cMC24-02	1/8" NPT	£8.42
cMC24-04	1/4" NPT	£9.11
cMC24-020	1/8" BSPT	£8.76

**PIPE THREAD – VALVED
FEMALE THREAD**



800

PART NUMBER	THREAD SIZE	PRICE
cMCD26-02	1/8" NPT	£20.83
cMCD26-04	1/4" NPT	£22.28
cMCD26-04BP	1/4" BSPP	£23.68

UNVALVED

cMC26-02	1/8" NPT	£8.49
cMC26-04	1/4" NPT	£10.53

**IN-LINE – VALVED
FEMALE THREAD**



800

PART NUMBER	TUBING SIZE	PRICE
cMCD28-1032	10-32 UNF	£22.56

UNVALVED

cMC28-1032	10-32 UNF	£9.70
------------	-----------	-------

**IN-LINE – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cMCD22-02	1/8" ID	3.2 mm ID	£18.02
cMCD22-03	3/16" ID	4.8 mm ID	£20.12
cMCD22-04	1/4" ID	6.4 mm ID	£18.87

UNVALVED

cMC22-02	1/8" ID	3.2 mm ID	£7.45
cMC22-03	3/16" ID	4.8 mm ID	£8.01
cMC22-04	1/4" ID	6.4 mm ID	£8.12

**IN-LINE – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cMCD20-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£23.75
cMCD20-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£20.72
cMCD20-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£27.02

UNVALVED

cMC20-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£10.93
-----------	--------------------	------------	--------

**PANEL MOUNT – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cMCD42-03	3/16" ID	4.8 mm ID	£24.35
cMCD42-04	1/4" ID	6.4 mm ID	£25.23

UNVALVED

cMC42-02	1/8" ID	3.2 mm ID	£18.35
cMC42-03	3/16" ID	4.8 mm ID	£19.08
cMC42-04	1/4" ID	6.4 mm ID	£20.54

**PANEL MOUNT – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cMCD40-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£22.40

UNVALVED

cMC40-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£21.57
----------	-------------------	--------------	--------

**ELBOW – VALVED
FERRULESS POLYTUBE
FITTING, PTF**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cMCD21-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£33.24
cMCD21-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£24.51

UNVALVED

cMC21-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£24.84
cMC21-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£21.68

**ELBOW – VALVED
HOSE BARB**



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cMCD23-02	1/8" ID	3.2 mm ID	£21.30
cMCD23-04	1/4" ID	6.4 mm ID	£22.02

UNVALVED

cMC23-02	1/8" ID	3.2 mm ID	£19.42
cMC23-04	1/4" ID	6.4 mm ID	£17.86

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Brass material • Chrome plating • High temperature capability • Compatible 	<ul style="list-style-type: none"> • Durable and able to withstand higher pressure and temperature • Attractive appearance • Versions rated to 204°C (400°F) • Mates with PLC series couplings
SPECIFICATIONS	
Bodies	Chrome plated brass
Valves	Acetal
Valve springs	316 stainless steel
External springs, pin, latch	Stainless steel
Seal material	Buna-N
Working pressure	Vacuum to 250 psi (17.3 bar)
Operating temperature	-40°C to +82°C (-40°F to +180°F)



COUPLING BODIES

PIPE THREAD – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cLCD100-04	1/4" NPT	£21.03
cLCD100-06	3/8" NPT	£21.03
cLCD100-040	1/4" BSPT	£22.24
cLCD100-060	3/8" BSPT	£22.78

UNVALVED

cLC100-04	1/4" NPT	£19.22
cLC100-06	3/8" NPT	£19.18
cLC100-040	1/4" BSPT	£20.21
cLC100-060	3/8" BSPT	£22.59

PANEL MOUNT – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLCD160-04	1/4" ID	6.4 mm ID	£34.81
cLCD160-05	5/16" ID	7.9 mm ID	£37.47
cLCD160-06	3/8" ID	9.5 mm ID	£34.83

UNVALVED

cLC160-05	5/16" ID	7.9 mm ID	£37.41
cLC160-06	3/8" ID	9.5 mm ID	£31.65

IN-LINE – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLCD170-04	1/4" ID	6.4 mm ID	£34.35
cLCD170-05	5/16" ID	7.9 mm ID	£39.34
cLCD170-06	3/8" ID	9.5 mm ID	£34.33

UNVALVED

cLC170-04	1/4" ID	6.4 mm ID	£33.46
cLC170-05	5/16" ID	7.9 mm ID	£36.79
cLC170-06	3/8" ID	9.5 mm ID	£33.22

IN-LINE – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLCD130-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£40.67
cLCD130-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£40.76

UNVALVED

cLC130-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£41.88
cLC130-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£42.50

PANEL MOUNT – VALVED MALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cLCD150-04	1/4" NPT	£29.58

UNVALVED

cLC150-04	1/4" NPT	£25.55
-----------	----------	--------

Also available NSF listed

High temperature version available
Please ask for details

COUPLING INSERTS



**PIPE THREAD – VALVED
MALE THREAD**

800

PART NUMBER	THREAD SIZE	PRICE
cLCD240-04	1/4" NPT	£21.23
cLCD240-06	3/8" NPT	£22.67
cLCD240-040	1/4" BSPT	£22.22

UNVALVED

cLC240-04	1/4" NPT	£9.11
cLC240-06	3/8" NPT	£10.81
cLC240-040	1/4" BSPT	£11.02



**PIPE THREAD – VALVED
FEMALE THREAD**

800

PART NUMBER	THREAD SIZE	PRICE
cLCD260-04	1/4" NPT	£22.51
cLCD260-04BP	1/4" BSPP	£24.25

UNVALVED

cLC260-04	1/4" NPT	£9.87
cLC260-04BP	1/4" BSPP	£11.35



**IN-LINE – VALVED
HOSE BARB**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLCD220-04	1/4" ID	6.4 mm ID	£21.00
cLCD220-05	5/16" ID	7.9 mm ID	£23.10
cLCD220-06	3/8" ID	9.5 mm ID	£20.98

UNVALVED

cLC220-04	1/4" ID	6.4 mm ID	£8.88
cLC220-05	5/16" ID	7.9 mm ID	£10.79
cLC220-06	3/8" ID	9.5 mm ID	£9.07



**IN-LINE – VALVED
FERRULESS POLYTUBE
FITTING, PTF**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLCD200-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£24.84
cLCD200-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£26.29

UNVALVED

cLC200-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£11.20
cLC200-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£14.29



**PANEL MOUNT – VALVED
HOSE BARB**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLCD420-04	1/4" ID	6.4 mm ID	£28.26
cLCD420-05	5/16" ID	7.9 mm ID	£32.34
cLCD420-06	3/8" ID	9.5 mm ID	£28.54

UNVALVED

cLC420-04	1/4" ID	6.4 mm ID	£20.21
cLC420-05	5/16" ID	7.9 mm ID	£24.87



**PANEL MOUNT – VALVED
FERRULESS POLYTUBE
FITTING, PTF**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLCD400-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£33.48
cLCD400-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£30.88

UNVALVED

cLC400-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£24.59
cLC400-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£27.67



**ELBOW – VALVED
HOSE BARB**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLCD230-04	1/4" ID	6.4 mm ID	£21.43
cLCD230-06	3/8" ID	9.5 mm ID	£22.69

UNVALVED

cLC230-04	1/4" ID	6.4 mm ID	£18.95
cLC230-06	3/8" ID	9.5 mm ID	£20.02



**ELBOW – VALVED
FERRULESS POLYTUBE
FITTING, PTF**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cLCD210-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£27.39
cLCD210-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£27.77

UNVALVED

cLC210-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£24.39
cLC210-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£27.23



FEATURES	BENEFITS
<ul style="list-style-type: none"> • Two line connection • Separate flow paths • CPC thumb latch • Free coupling rotation 	<ul style="list-style-type: none"> • Fast, efficient operation • Pressure and/or vacuum in one coupling • One hand connection and disconnection • Eliminates kinked tubing
SPECIFICATIONS	
Bodies and inserts	Acetal or ABS
Springs, pin, latch	Stainless steel
Seal material	Buna-N
Working pressure	Vacuum to 120 psi (8.3 bar) per line
Operating temperature	-40°C to +82°C (-40°F to +180°F)



COUPLING BODIES

COUPLING INSERTS

PANEL MOUNT – UNVALVED ACETAL – HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPTC 160-10	1/16" ID	1.6 mm ID	£20.15
cPTC 160-20	1/8" ID	3.2 mm ID	£18.27

IN-LINE – UNVALVED ACETAL – HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPTC 220-10	1/16" ID	1.6 mm ID	£14.14
cPTC 220-20	1/8" ID	3.2 mm ID	£11.72

PANEL MOUNT – UNVALVED ABS – HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPTC1602096	1/8" ID	3.2 mm ID	£15.99

IN-LINE – UNVALVED ABS – HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPTC2202096	1/8" ID	3.2 mm ID	£10.80

Also available ...

DTLD and DPC Series Connectors



... on page 96, section 2

FEATURES	BENEFITS	
<ul style="list-style-type: none"> • Six line connection • Separate flow paths • Insert is keyed to body • CPC thumb latch 	<ul style="list-style-type: none"> • Fast, efficient operation • Pressure and/or vacuum in one coupling • Ensures correct line orientation • One hand connection and disconnection 	
SPECIFICATIONS	Acetal	Polypropylene
Bodies and inserts	Acetal	Polypropylene
Housing and valves	Acetal	
Valve springs	316 stainless steel	
Seal material	Buna-N	EPDM
Working pressure	Vacuum to 100 psi (6.9 bar) per line	
Operating temperature	-40°C to +82°C (-40°F to +180°F)	0°C to 82°C (32°F to 180°F)



COUPLING BODIES



ACETAL – UNVALVED

WITH MALE FITTING INSERTS

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cSXM17-01	1/16" ID	1.6 mm ID	£26.48
cSXM17-M3	-	3.0 mm ID	£28.24
cSXM17-02	1/8" ID	3.2 mm ID	£25.25

POLYPROPYLENE – UNVALVED

cSXM17-0212	1/8" ID	3.2 mm ID	£32.45
-------------	---------	-----------	--------



ACETAL – VALVED

WITH FEMALE FITTING BODIES

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cSXFD17-01	1/16" ID	1.6 mm ID	£75.35
cSXFD17-02	1/8" ID	3.2 mm ID	£74.08

ACETAL – UNVALVED

cSXF17-M3	-	3.0 mm ID	£21.51
cSXF17-02	1/8" ID	3.2 mm ID	£21.39

POLYPROPYLENE – UNVALVED

cSXF17-0112	1/16" ID	1.6 mm ID	£27.63
cSXF17-0212	1/8" ID	3.2 mm ID	£27.50



ACETAL

WITHOUT FITTINGS

800

PART NUMBER	DESCRIPTION	PRICE
cSX17	Body supplied without fittings	£10.74

COUPLING INSERTS



ACETAL – VALVED

WITH FEMALE FITTING BODIES

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cSXFD42-01	1/16" ID	1.6 mm ID	£76.72
cSXFD42-M3	-	3.0 mm ID	£76.72
cSXFD42-02	1/8" ID	3.2 mm ID	£74.72

ACETAL – UNVALVED

cSXF42-01	1/16" ID	1.6 mm ID	£17.01
cSXF42-M3	-	3.0 mm ID	£18.01
cSXF42-02	1/8" ID	3.2 mm ID	£15.95

POLYPROPYLENE – UNVALVED

cSXF42-0112	1/16" ID	1.6 mm ID	£20.45
cSXF42-0212	1/8" ID	3.2 mm ID	£20.61



ACETAL – UNVALVED

WITH MALE FITTING INSERTS

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cSXM42-01	1/16" ID	1.6 mm ID	£17.93
cSXM42-M3	-	3.0 mm ID	£17.65
cSXM42-02	1/8" ID	3.2 mm ID	£17.42

POLYPROPYLENE – UNVALVED

cSXM42-0112	1/16" ID	1.6 mm ID	£21.58
cSXM42-0212	1/8" ID	3.2 mm ID	£20.92



ACETAL

WITHOUT FITTINGS

800

PART NUMBER	DESCRIPTION	PRICE
cSX42	Insert supplied without fittings	£4.93

ACCESSORIES

PRESSURE PLUG

800

PART NUMBER	DESCRIPTION	PRICE
cTMP-MWHT	Pressure plug	£2.71

FEATURES		BENEFITS	
<ul style="list-style-type: none"> • Ten line • Separate flow paths • Insert is keyed to body • Acetal or polypropylene inserts 		<ul style="list-style-type: none"> • Fast, efficient operation • Pressure and/or vacuum in one coupling • Ensures correct line orientation • Maximise design flexibility 	
SPECIFICATIONS		Acetal	Polypropylene
Bodies and inserts		Acetal	Polypropylene
Housing		Nylon	Nylon
Valves		Acetal	
Valve springs		316 stainless steel	
Seal material		Buna-N	EPDM
Working pressure		Vacuum to 100 psi (6.9 bar) per line	
Operating temperature		-40°C to +82°C (-40°F to +180°F)	0°C to 82°C (32°F to 180°F)


COUPLING BODIES
**ACETAL – VALVED
WITH FEMALE FITTING BODIES**


800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cTFBD10-01	1/16" ID	1.6 mm ID	£110.95
cTFBD10-02	1/8" ID	3.2 mm ID	£109.41

ACETAL – UNVALVED

cTFB10-01	1/16" ID	1.6 mm ID	£17.90
cTFB10-M3	-	3.0 mm ID	£20.04
cTFB10-02	1/8" ID	3.2 mm ID	£17.42

POLYPROPYLENE – UNVALVED

cTFB10-0212	1/8" ID	3.2 mm ID	£24.35
-------------	---------	-----------	--------

COUPLING INSERTS
**ACETAL – UNVALVED
WITH MALE FITTING INSERTS**


800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cTMB10-01	1/16" ID	1.6 mm ID	£48.71
cTMB10-M3	-	3.0 mm ID	£39.66
cTMB10-02	1/8" ID	3.2 mm ID	£36.52

POLYPROPYLENE – UNVALVED

cTMB10-0212	1/8" ID	3.2 mm ID	£46.77
-------------	---------	-----------	--------

**ACETAL – UNVALVED
WITHOUT FITTING BODIES**


800

PART NUMBER	DESCRIPTION	PRICE
cTFB10	Body supplied without fittings	£6.24

**ACETAL – UNVALVED
WITHOUT FITTING INSERTS**


800

PART NUMBER	DESCRIPTION	PRICE
cTMB10	Insert supplied without fittings	£19.34

ACCESSORIES

ACCESSORIES

800

PART NUMBER	DESCRIPTION	PRICE
cTS-10	Tube shroud snaps into either half	£8.06
cTPM-10	Panel mount adaptor, includes nut 7/16" max. panel thickness requires	£11.14

COMPLETE COUPLING SET
**ACETAL – UNVALVED
COMPLETE COUPLING SETS**


800

PART NUMBER	TUBING SIZE	METRIC EQ.	LENGTH	PRICE
cTT10-01	1/16" ID	1.6 mm ID	1.30"	£55.71
cTT10-M3	-	3.0 mm ID	1.60"	£64.45
cTT10-02	1/8" ID	3.2 mm ID	1.60"	£57.81

POLYPROPYLENE – UNVALVED

cTT10-02-12	1/8" ID	3.2 mm ID	1.60"	£73.69
-------------	---------	-----------	-------	--------

FITTING BODIES

ACETAL – VALVED

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cTFFD-01	1/16" ID	1.6 mm ID	£10.78
cTFFD-M3	-	3.0 mm ID	£10.57
cTFFD-02	1/8" ID	3.2 mm ID	£10.34

ACETAL – UNVALVED

cTFF-01	1/16" ID	1.6 mm ID	£1.44
cTFF-M3	-	3.0 mm ID	£1.51
cTFF-02	1/8" ID	3.2 mm ID	£1.40

POLYPROPYLENE – UNVALVED

cTFF01-12	1/16" ID	1.6 mm ID	£2.10
cTFF02-12	1/8" ID	3.2 mm ID	£2.10

FITTING INSERTS

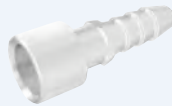
ACETAL – UNVALVED

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cTMF-01	1/16" ID	1.6 mm ID	£1.93
cTMF-M3	-	3.0 mm ID	£2.43
cTMF-02	1/8" ID	3.2 mm ID	£1.94

POLYPROPYLENE – UNVALVED

cTMF-01-12	1/16" ID	1.6 mm ID	£3.04
cTMF-02-12	1/8" ID	3.2 mm ID	£3.05


ACETAL – VALVED

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cTFFD01MWHT	1/16" ID	1.6 mm ID	£12.91
cTFFD02MWHT	1/8" ID	3.2 mm ID	£10.74

ACETAL – UNVALVED

cTFF01-MWHT	1/16" ID	1.6 mm ID	£1.57
cTFF02-MWHT	1/8" ID	3.2 mm ID	£1.42


ACETAL – UNVALVED

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cTMF01-MWHT	1/16" ID	1.6 mm ID	£2.10
cTMFM3-MWHT	-	3.0 mm ID	£2.71
cTMF-02MWHT	1/8" ID	3.2 mm ID	£1.93

ORDERING INFORMATION

Each coupling body includes ten inserts of one tube size. You can purchase inserts of different sizes for replacements of original tube fittings or to mix tube sizes in the coupling. Coupling body does not include optional tubing shroud or panel mount adaptor. Specify separately, depending on coupling configuration i.e. panel mount coupling requires one tubing shroud and one panel mount adaptor. Tube-to-tube coupling assemblies require two tubing shrouds.

Connectors supplied with one size tube fitting unless specified otherwise.

Optional tubing jacket protects tubing

Optional tubing shroud is ideal for in-line applications

Individual O-ring seal connections assure leak-free vacuum on pressure connections

Replaceable inserts

30° LATCH TRAVEL

Keyed to provide non-interchangeable hook up

Thermoplastic materials provide exceptional chemical resistance

Tentube® panel mount adaptor fits through a 1.875" diameter hole

TUBE FITTING INSERT
CPC's exclusive Tentube® includes our patented 1/16" ID shrouded tube fitting to eliminate fitting breakage associated with miniature tube fittings.

Straight through or single side shut off capability

Positive latch connection. Slide the latch 30° for a positive no leak seal. Distinct "click" assures coupling is locked. Connect or disconnect in one simple motion.

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Three to five line connection • Separate flow paths • Insert is keyed to body • Acetal or chrome plated brass • Leak free, easy operation • Keyed to prevent mismatches 	<ul style="list-style-type: none"> • Fast, efficient operation • Maximises design flexibility • Ensures correct line orientation
SPECIFICATIONS	
Coupling bodies and inserts	Acetal or chrome plated brass
Valves	Acetal
Valve springs	316 stainless steel
External springs and pin	Stainless steel
Seal material	Buna-N
Mounting plate	Black anodised aluminium
Working pressure – brass	Vacuum to 500 psi (34.5 bar) no. of stations
Working pressure – acetal	Vacuum to 240 psi (16.5 bar) no. of stations
Operating temperature	-40°C to +82°C (-40°F to +180°F)



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES

1/8" FLOW – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMMD16-02	1/8" ID	3.2 mm ID	£13.55
cPMMD16-03	3/16" ID	4.8 mm ID	£13.99
cPMMD16-04	1/4" ID	6.4 mm ID	£13.79

UNVALVED

cPMM16-02	1/8" ID	3.2 mm ID	£11.92
cPMM16-04	1/4" ID	6.4 mm ID	£11.59

1/4" FLOW – VALVED HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLMD160-04	1/4" ID	6.4 mm ID	£20.87
cPLMD160-06	3/8" ID	9.5 mm ID	£19.96

UNVALVED

cPLM160-04	1/4" ID	6.4 mm ID	£19.22
cPLM160-05	5/16" ID	7.9 mm ID	£20.09

1/8" FLOW – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMMD12-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£14.34

UNVALVED

cPMM12-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£13.31
-----------	-------------------	--------------	--------

1/4" FLOW – VALVED FERRULESS POLYTUBE FITTING, PTF



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLMD120-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£21.62
cPLMD120-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£21.43

1/8" FLOW – VALVED FEMALE THREAD



800

PART NUMBER	THREAD SIZE	PRICE
cPMMD181032	10-32 UNF	£22.33

High temperature version available for brass. Please ask for details.

FOUR STEP MULTI-MOUNT ORDERING PROCESS

Step 1: Order two "multiple mount plates" (one for the coupling bodies and one for the coupling inserts) with the appropriate number of connection stations for your specific application (available in 3, 4, or 5 connections, or construct your own).

Step 2: Order two "standard panel mount coupling bodies with thumb latches" for the exterior stations.

Step 3: Order an appropriate number of "multiple mount coupling bodies without thumb latches" to accommodate the remaining interior stations.

Step 4: Order an appropriate number of "multiple mount inserts" to connect with standard and multiple mount bodies.

NOTE: To order chrome plated brass, remove the "P" from the beginning of the part number.

Example: cPMMD16-02 = Acetal 1/8" ID Hose Barb
cMMD16-02 = Chrome Plated Brass 1/8" ID Hose Barb

COUPLING INSERTS
**1/8" FLOW – VALVED
HOSE BARB**


800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMMD22-02	1/8" ID	3.2 mm ID	£17.12
cPMMD22-04	1/4" ID	6.4 mm ID	£16.72

UNVALVED

cPMM22-02	1/8" ID	3.2 mm ID	£10.00
cPMM22-03	3/16" ID	4.8 mm ID	£10.87
cPMM22-04	1/4" ID	6.4 mm ID	£9.99

**1/4" FLOW – VALVED
HOSE BARB**


800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLMD220-04	1/4" ID	6.4 mm ID	£17.97
cPLMD220-06	3/8" ID	9.5 mm ID	£18.16

UNVALVED

cPLM220-04	1/4" ID	6.4 mm ID	£9.93
cPLM220-05	5/16" ID	7.9 mm ID	£10.61
cPLM220-06	3/8" ID	9.5 mm ID	£11.04

**1/8" FLOW – VALVED
FERRULESS POLYTUBE
FITTING, PTF**


800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMMD20-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£22.05
cPMMD20-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£17.34

UNVALVED

cPMM20-025	5/32" OD, 0.10" ID	4 x 2.5 mm	£16.89
cPMM20-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£11.65

**1/4" FLOW – VALVED
FERRULESS POLYTUBE
FITTING, PTF**


800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLMD200-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£19.96
cPLMD200-06	3/8" OD, 0.25" ID	9.5 x 6.4 mm	£21.08

UNVALVED

cPLM200-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£13.75
------------	-------------------	--------------	--------

**1/8" FLOW – VALVED
FERRULESS POLYTUBE
FITTINGS, PTF**


800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPMMD21-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£21.44

UNVALVED

cPMM21-04	1/4" OD, 0.17" ID	6.4 x 4.3 mm	£16.70
-----------	-------------------	--------------	--------

ACCESSORIES
**1/8" FLOW
MULTIPLE MOUNT PLATES**

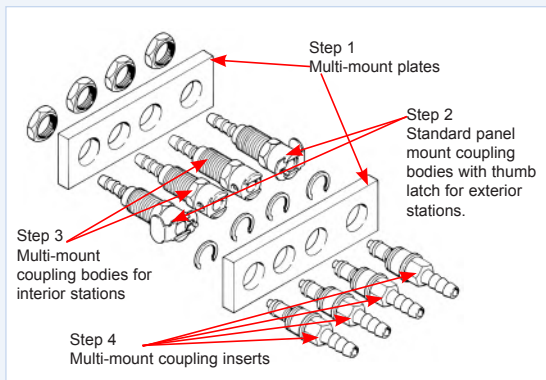

800

PART NUMBER	NO. OF STATIONS	PRICE
cCP 103	3 Stations	£23.91
cCP 104	4 Stations	£27.17
cCP 105	5 Stations	£30.40

**1/4" FLOW
MULTIPLE MOUNT PLATES**


800

PART NUMBER	NO. OF STATIONS	PRICE
cLCP 103	3 Stations	£38.63
cLCP 104	4 Stations	£38.93


RETAINING RINGS

800

PART NUMBER	DESCRIPTION	PRICE
c01017-00	MC / PMC Series retaining ring	£0.73
c02781-00	LC / PLC Series retaining ring	£0.81

DTLD SERIES CONNECTORS

FEATURES		BENEFITS	
<ul style="list-style-type: none"> • Shrouded thumb latch • Latch always in position to accept insert • Compact, modular design • Independent quick connections 		<ul style="list-style-type: none"> • Minimises inadvertent latch activation • Ensures leak free operation • Fits well in the hand and is easy to wipe down • Requires minimal manual dexterity 	
SPECIFICATIONS			
Pressure	Vacuum to 20 psi (1.38 bar)		
Temperature	0°C to 48°C (32°F to 120°F)		
Materials			
Main components	ABS		
Thumb latch & internal body valve	Acetal		
Internal insert valve	Polypropylene		
Springs	Stainless steel		
O-rings	Buna-N		
Tubing sizes	1/4" to 3/8" ID, 6.4 mm to 9.5 mm ID		
Compliance	REACH, RoHS		
Seal material	Buna-N		



COUPLING BODIES

WHITE – HOSE BARB DUAL BODY – VALVED PLC



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cDTLD17004	1/4" ID	6.4 mm ID	£12.22
cDTLD17006	3/8" ID	9.5 mm ID	£12.02

BLACK – HOSE BARB DUAL BODY – VALVED PLC



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cDTLD17004MBLK	1/4" ID	6.4 mm ID	£11.27
cDTLD17006MBLK	3/8" ID	9.5 mm ID	£12.02

COUPLING INSERTS

WHITE – IN-LINE – VALVED ABS HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD2200406	1/4" ID	6.4 mm ID	£8.37
cPLCD2200606	3/8" ID	9.5 mm ID	£9.57

BLACK – IN-LINE – VALVED ABS HOSE BARB



800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPLCD2200406MBLK	1/4" ID	6.4 mm ID	£11.60
cPLCD2200606MBLK	3/8" ID	9.5 mm ID	£9.54

DPC SERIES CONNECTORS

FEATURES		BENEFITS	
<ul style="list-style-type: none"> • Single thumb latch • Insert keyed to body • Compact, modular design • Integral terminations 		<ul style="list-style-type: none"> • Intuitive one step, two line connection and disconnection • Ensures correct directional flow • Attractive, high quality appearance and configuration flexibility • Fewer moving parts, shorter assemblies, faster installations 	
SPECIFICATIONS			
Pressure	Vacuum to 120 psi, 8.3 bar		
Temperature	0°C to 82°C (32°F to 180°F)		
Main Component	Acetal		
Spring	316 stainless steel		
Colour	White with blue latch		



COUPLING BODIES

IN-LINE HOSE BARB COUPLING BODY – VALVED



800

PART NUMBER	THREAD SIZE	PRICE
cDPCD17004	1/4" ID	£12.18
cDPCD17006	3/8" ID	£12.10

UNVALVED

cDPC17004	1/4" ID	£8.26
cDPC17006	3/8" ID	£8.43

COUPLING INSERTS

IN-LINE HOSE BARB COUPLING INSERT – VALVED



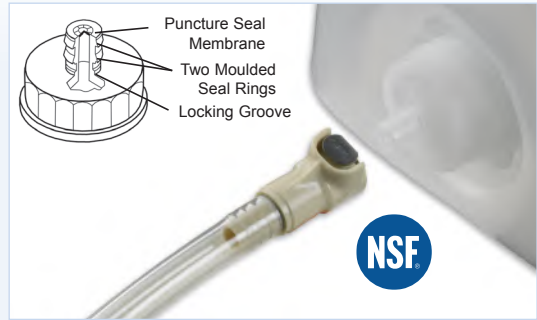
800

PART NUMBER	THREAD SIZE	PRICE
cDPCD22004	1/4" ID	£11.85
cDPCD22006	3/8" ID	£11.69

UNVALVED

cDPC22006	3/8" ID	£6.60
-----------	---------	-------

FEATURES	BENEFITS
<ul style="list-style-type: none"> Puncture seal coupling Polypropylene and polyethylene materials Puncture seal membrane CPC thumb latch 	<ul style="list-style-type: none"> Easily breaks the puncture seal membrane Greater chemical resistance Eliminates shipping caps and O-rings One hand connection and disconnection
SPECIFICATIONS	
Bodies	Polypropylene
Valve springs	316 stainless steel
External springs, pin, latch	Stainless steel
Seal material	EPDM
Working pressure	Coupling bodies 120 psi (8.3 bar)
Operating temperature	0°C to 71°C (32°F to 160°F)



Minimum quantities may apply. Please ask at time of order

COUPLING BODIES



IN-LINE – VALVED COUPLING – HOSE BARB

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cPSD1700412	1/4" ID	6.4 mm ID	£15.65
cPSD1700612	3/8" ID	9.5 mm ID	£15.92

UNVALVED

cPS 1700412	1/4" ID	6.4 mm ID	£13.75
-------------	---------	-----------	--------

CLOSURE



SNAP-IN 38 MM

800

PART NUMBER	MATERIAL	PRICE
c496200	Polyethylene	£2.15



THREADED 38 MM

800

PART NUMBER	MATERIAL	PRICE
cPSC38MM	Polyethylene	£1.93

Material Advice
For help with selecting the correct type of product materials, please see page 107.

You may also need ... **Clearflex PVC tube**



... on page 536, section 10

FEATURES		BENEFITS	
<ul style="list-style-type: none"> • Universal 38 mm cap • Flush face valves • Integral terminations • Shrouded thumb latch 		<ul style="list-style-type: none"> • Fits most manufacturers' fitment necks • Minimises spillage • Fewer leak points, shorter assemblies, faster installations • Protects against accidental disconnects 	
SPECIFICATIONS			
CIP adaptor		Acetal	
Coupling, body, valve, clip		Polypropylene	
Cap		Acetal, polypropylene	
Cap valve		Acetal	
Standard seal material		Food grade EPDM, silicone, Buna-N	
Springs		316 stainless steel body, 302 stainless steel cap	
Working pressure		20" Hg vacuum to 15 psi (1 bar) body only	
Operating temperature		0°C to 71°C (32°F to 160°F)	


COUPLING BODIES

**IN-LINE – VALVED
FDA SILICONE O-RING**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
c99000	3/8" ID	9.5 mm ID	£28.70
c95600	1/2" ID	12.7 mm ID	£28.85
c99100	5/8" ID	15.9 mm ID	£30.21
c99200	3/4" ID	19.0 mm ID	£28.97

FDA BUNA-N O-RING

c98400	3/8" ID	9.5 mm ID	£31.01
c97600	1/2" ID	12.7 mm ID	£30.22
c97900	5/8" ID	15.9 mm ID	£30.22
c98600	3/4" ID	19.0 mm ID	£31.55

FDA EPDM O-RING

c98500	3/8" ID	9.5 mm ID	£27.94
c95300	1/2" ID	12.7 mm ID	£30.21
c98100	5/8" ID	15.9 mm ID	£28.87
c98700	3/4" ID	19.0 mm ID	£28.40


**ELBOW – VALVED
FDA SILICONE O-RING**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
c99300	3/8" ID	9.5 mm ID	£28.41
c95400	1/2" ID	12.7 mm ID	£28.41

FDA BUNA-N O-RING

c97800	3/8" ID	9.5 mm ID	£30.71
c97700	1/2" ID	12.7 mm ID	£29.20

FDA EPDM O-RING

c99400	3/8" ID	9.5 mm ID	£30.63
c95100	1/2" ID	12.7 mm ID	£29.62

CAPS AND ADAPTORS

**UNIVERSAL CAP – ACETAL VALVED
38 MM THREAD WITH THREAD SEAL**

800

PART NUMBER	O-RING	PRICE
c95801	FDA Silicone	£7.54
c96401	FDA Buna-N	£7.54
c97401	FDA EPDM	£7.54

38 MM THREAD WITHOUT THREAD SEAL

c95800	FDA Silicone	£6.79
c96400	FDA Buna-N	£7.02
c97400	FDA EPDM	£6.95


**STRAIGHT CLEAN-IN-PLACE ADAPTOR
UNVALVED
HOSE BARB (NO O-RING)**

800

PART NUMBER	TUBING SIZE	PRICE
c96000	1/2" ID (no O-ring)	£8.20

Disposable cap available
Please ask for details

FEATURES		BENEFITS	
<ul style="list-style-type: none"> • Factory installed quick disconnects • Hydrophobic packaging vent • Polyethylene foam gasket • Integral hose barb 		<ul style="list-style-type: none"> • Ensures cap properly seals to bottle (even without sealing rings) • Encourages proper fluid handling protocol, allowing easy disconnection to replace or refill consumables in the correct location • Allows dispensing from container while preventing accidental spillage • Allows for mounting of 1/4" ID DIP tube 	
SPECIFICATIONS			
Temperature	0°C to 49°C (32°F to 120°F)		
Materials	Base cap – high density polyethylene Gasket – low density polyethylene Packaging vent – hydrophobic PTFE Quick disconnects – polypropylene, with 316 stainless steel springs and EPDM O-ring		
Colour	Blue		
FitQuick connector size	To suit 1/4" ID tubing		
DIP tube interface size	To suit 1/4" ID tubing		



COUPLING BODIES



QUICK DISCONNECT INTERFACE BOTTLE CAPS – POLYETHYLENE

800

PART NUMBER	DIP TUBE SIZE	FITQUIK TUBE SIZE	PRICE
cBQ45GL1001	1/4" ID	1/4" ID	£36.92

COUPLING INSERTS



QUICK DISCONNECT INTERFACE BOTTLE CAPS – POLYETHYLENE

800

PART NUMBER	DIP TUBE SIZE	FITQUIK TUBE SIZE	PRICE
cBQ45GL2001	1/4" ID	1/4" ID	£40.74

INTEGRAL POLYPROPYLENE ELBOW FITTING BOTTLE CAPS – POLYETHYLENE



800

PART NUMBER	DIP TUBE SIZE	FITQUIK TUBE SIZE	PRICE
cBQ45GL5001	1/4" ID	1/4" ID	£28.40

Chemical Compatibility

Use our chemical compatibility table beginning on page 106, to help determine which coupling is best for your fluid handling application. Colder insists that all customers test & evaluate the suitability for use of Colder couplings in their particular application.

You may also need ...

Tube fittings

- Shrouded design eliminates barb breakage
- For tubing sizes ranging from 1/16"



... on pages 101 – 104, section 2

PANEL MOUNT APPLICATIONS

Vacuum, pressure lines, fluid and gases

PANEL MOUNT SPECIFICATIONS

Materials	Acetal
Nut	Nickel plated brass

PANEL MOUNT
STRAIGHT – 1/2" PANEL OPENING


800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
cBHU 22-02	1/8" ID x 1/8" ID	3.2 x 3.2 mm	£4.22
cBHU 22-04	1/4" ID x 1/4" ID	6.4 x 6.4 mm	£4.64
cBHU 22-06	3/8" ID x 3/8" ID	9.5 x 9.5 mm	£4.54

10-32 UNF PORTED MANIFOLDS WITH 1/8" NPT END PORT


800

PART NUMBER	SIDE PORTS	END PORTS	PRICE
c32M5	5	1	£59.47

1/8" NPT PORTED MANIFOLDS WITH 1/8" NPT END PORT

PART NUMBER	SIDE PORTS	END PORTS	PRICE
c2M3	3	1	£50.16
c2M4	4	1	£54.69
c2M5	5	1	£72.59

1/4" NPT PORTED MANIFOLDS WITH 1/4" NPT END PORT

PART NUMBER	SIDE PORTS	END PORTS	PRICE
c4M3	3	2	£79.92
c4M4	4	2	£77.35
c4M5	5	2	£99.13

DUST CAPS AND PLUGS BODY PLUGS


800

PART NUMBER	SERIES	CONNECTION	PRICE
cPMC31	MC, PMC	Non-sealing	£0.35
cPLC310	LC, PLC	Non-sealing	£0.33
cPMC30	PMC	Pressure sealing	£3.01
cPLC300	PLC	Pressure sealing	£3.02
cHFC312L	HFC, FFC – c/w leash	Non-sealing	£2.47

INSERT CAPS

PART NUMBER	SERIES	CONNECTION	PRICE
cPMC32	MC, PMC	Non-sealing	£0.33
cPLC320	LC, PLC, APC, EFC	Non-sealing	£0.35

Special application or shipping requirements demand a plug to prevent material from entering the bore of the coupling body or insert cap, to protect the exposed coupling insert end.

INSERT SEALS BUNA-N


800

PART NUMBER	SERIES	PRICE
c730800	MC, PMC	£0.37
c731100	LC, PLC, EFC, NS4, APC, TwinTube large, EPDM	£0.37
c730600	SMC, TwinTube™ – small	£0.44
c731600	HFC, FFC	£1.19

EPDM

PART NUMBER	SERIES	PRICE
c730803	MC, PMC	£1.13
c731103	LC, PLC, EFC, NS4, APC, TwinTube large	£1.18
c730603	SMC, TwinTube™ – small	£1.30
c731603	HFC, FFC	£1.13

FLUOROCARBON

PART NUMBER	SERIES	PRICE
c730804	MC, PMC	£1.13
c731104	LC, PLC, EFC, NS4, APC, TwinTube large	£1.13
c730604	SMC, TwinTube – small	£1.20
c731604	HFC, FFC	£1.40

FERRULESS POLYTUBE FITTING NUTS


800

PART NUMBER	TUBING SIZE	PRICE
c100800	1/4" OD	£2.74
c108900	3/8" OD	£4.00
c269700	5/32" / 4 mm OD	£1.76
c339500	8 mm OD	£2.36
c358400	10 mm OD	£2.70

PTF nuts are designed for semi-rigid tubing i.e. polyethylene, nylon, polyurethane, etc.

PANEL MOUNT NUTS SMC, SRC SERIES


800

PART NUMBER	MATERIAL	THREAD SIZE	PRICE
c404300	Nickel plated brass	7/16 - 24 UNS	£0.74

MC, PMC, PMC12 SERIES

PART NUMBER	MATERIAL	THREAD SIZE	PRICE
c100900	Nickel plated brass	1/2 - 24 UNS	£0.88
c664400	Acetal	1/2 - 24 UNS	£1.29
c100901	Stainless steel	1/2 - 24 UNS	£8.47

LC, PLC, PLC12, APC, EFC, NS2 SERIES

PART NUMBER	MATERIAL	THREAD SIZE	PRICE
c120700	Nickel plated brass	11/16 - 24 UNEF	£1.28
c520300	Acetal	11/16 - 24 UNEF	£1.83
c120701	Stainless steel	11/16 - 24 UNEF	£10.39

HFC SERIES

PART NUMBER	MATERIAL	PRICE
c3303500	Polypropylene	£2.61
c694300	Polysulfone	£4.12

FEATURES

- Made with parting line-free hose barbs

SPECIFICATIONS

Materials	Natural polypropylene White nylon (black nylon, PC and PVDF also available) Acetal (screw-type blood pressure connector) Stainless steel (panel nut)
-----------	---



THREAD TO TUBE

STRAIGHT – TAPERED UNF THREAD POLYPROPYLENE



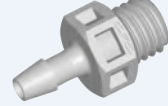
896

PART NUMBER	THREAD SIZE	TUBING SIZE	PRICE
cXMS2	10-32 UNF	1/16" ID	£0.39
cXMS3	10-32 UNF	3/32" ID	£0.41
cXMS4	10-32 UNF	1/8" ID	£0.35
cXMS5	10-32 UNF	5/32" ID	£0.42

NYLON

cXMS230	10-32 UNF	1/16" ID	£0.32
cXMS330	10-32 UNF	3/32" ID	£0.35
cXMS430	10-32 UNF	1/8" ID	£0.35
cXMS530	10-32 UNF	5/32" ID	£0.32

STRAIGHT – UNF THREAD POLYPROPYLENE



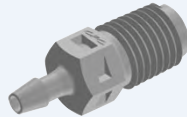
896

PART NUMBER	THREAD SIZE	TUBING SIZE	PRICE
cXKS2	1/4-28 UNF	1/16" ID	£0.71
cXKS3	1/4-28 UNF	3/32" ID	£0.70
cXKS4	1/4-28 UNF	1/8" ID	£0.70
cXKS5	1/4-28 UNF	5/32" ID	£0.71

NYLON

cXKS230	1/4-28 UNF	1/16" ID	£0.64
cXKS330	1/4-28 UNF	3/32" ID	£0.65
cXKS430	1/4-28 UNF	1/8" ID	£0.65
cXKS530	1/4-28 UNF	5/32" ID	£0.68

STRAIGHT – NPT THREAD POLYPROPYLENE



896

PART NUMBER	THREAD SIZE	TUBING SIZE	PRICE
cXN2S2	1/16" NPT	1/16" ID	£0.83
cXN2S3	1/16" NPT	3/32" ID	£0.83
cXN2S4	1/16" NPT	1/8" ID	£0.87
cXN2S5	1/16" NPT	5/32" ID	£0.89
cXN4S2	1/8" NPT	1/16" ID	£0.89
cXN4S3	1/8" NPT	3/32" ID	£0.91
cXN4S4	1/8" NPT	1/8" ID	£0.92
cXN4S5	1/8" NPT	5/32" ID	£0.99
cXN4S6	1/8" NPT	3/16" ID	£1.04
cXN4S8	1/8" NPT	1/4" ID	£1.12
cXN8S4	1/4" NPT	1/8" ID	£1.14
cXN8S5	1/4" NPT	5/32" ID	£1.13
cXN8S6	1/4" NPT	3/16" ID	£1.14
cXN8S8	1/4" NPT	1/4" ID	£1.44
cXN8S10	1/4" NPT	5/16" ID	£1.56
cXN8S12	1/4" NPT	3/8" ID	£1.53

NYLON

cXN2S230	1/16" NPT	1/16" ID	£0.67
cXN2S330	1/16" NPT	3/32" ID	£0.71
cXN2S430	1/16" NPT	1/8" ID	£0.71
cXN2S530	1/16" NPT	5/32" ID	£0.74
cXN4S230	1/8" NPT	1/16" ID	£0.84
cXN4S330	1/8" NPT	3/32" ID	£0.80
cXN4S430	1/8" NPT	1/8" ID	£0.85
cXN4S530	1/8" NPT	5/32" ID	£0.97
cXN4S630	1/8" NPT	3/16" ID	£0.95
cXN4S830	1/8" NPT	1/4" ID	£0.93
cXN8S430	1/4" NPT	1/8" ID	£1.16
cXN8S530	1/4" NPT	5/32" ID	£1.17
cXN8S630	1/4" NPT	3/16" ID	£1.16
cXN8S830	1/4" NPT	1/4" ID	£1.45
cXN8S1030	1/4" NPT	5/16" ID	£1.47
cXN8S1230	1/4" NPT	3/8" ID	£1.42

ELBOW – TAPERED UNF THREAD POLYPROPYLENE



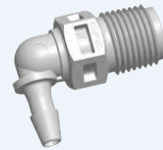
896

PART NUMBER	THREAD SIZE	TUBING SIZE	PRICE
cXME2	10-32 UNF	1/16" ID	£0.82
cXME3	10-32 UNF	3/32" ID	£0.83
cXME4	10-32 UNF	1/8" ID	£0.88
cXME5	10-32 UNF	5/32" ID	£0.91

NYLON

cXME230	10-32 UNF	1/16" ID	£0.67
cXME330	10-32 UNF	3/32" ID	£0.68
cXME430	10-32 UNF	1/8" ID	£0.70
cXME530	10-32 UNF	5/32" ID	£0.91

ELBOW – NPT THREAD POLYPROPYLENE



896

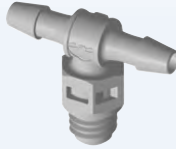
PART NUMBER	THREAD SIZE	TUBING SIZE	PRICE
cXN4E4	1/8" NPT	1/8" ID	£1.55
cXN4E6	1/8" NPT	3/16" ID	£1.70
cXN4E8	1/8" NPT	1/4" ID	£1.90
cXN8E8	1/4" NPT	1/4" ID	£1.60
cXN8E12	1/4" NPT	3/8" ID	£1.63

NYLON

cXN4E430	1/8" NPT	1/8" ID	£1.33
cXN4E630	1/8" NPT	3/16" ID	£1.40
cXN4E830	1/8" NPT	1/4" ID	£1.61
cXN8E830	1/4" NPT	1/4" ID	£1.73
cXN8E1230	1/4" NPT	3/8" ID	£1.61

All 1/16" hose barb fittings on this page are supplied with shroud

THREAD TO TUBE



**TEE – TAPERED UNF THREAD
POLYPROPYLENE**

896

PART NUMBER	THREAD	TUBING	SIZE	PRICE
cXMT2	10-32 UNF	1/16" ID	1/16" ID	£1.01
cXMT3	10-32 UNF	3/32" ID	3/32" ID	£0.99
cXMT4	10-32 UNF	1/8" ID	1/8" ID	£1.08
cXMT5	10-32 UNF	5/32" ID	5/32" ID	£0.92

NYLON

cXMT230	10-32 UNF	1/16" ID	1/16" ID	£0.84
cXMT330	10-32 UNF	3/32" ID	3/32" ID	£0.83
cXMT430	10-32 UNF	1/8" ID	1/8" ID	£0.91
cXMT530	10-32 UNF	5/32" ID	5/32" ID	£0.93

TUBE TO TUBE



**STRAIGHT
POLYPROPYLENE**

896

PART NUMBER	TUBING	SIZE	PRICE
cXHS2	1/16" ID	1/16" ID	£0.64
cXHS3	3/32" ID	3/32" ID	£0.64
cXHS4	1/8" ID	1/8" ID	£0.63
cXHS5	5/32" ID	5/32" ID	£0.74
cXHS6	3/16" ID	3/16" ID	£0.74
cXHS8	1/4" ID	1/4" ID	£0.80
cXHS12	3/8" ID	3/8" ID	£1.08

NYLON

cXHS230	1/16" ID	1/16" ID	£0.54
cXHS330	3/32" ID	3/32" ID	£0.56
cXHS430	1/8" ID	1/8" ID	£0.56
cXHS530	5/32" ID	5/32" ID	£0.69
cXHS630	3/16" ID	3/16" ID	£0.69
cXHS830	1/4" ID	1/4" ID	£0.80
cXHS1230	3/8" ID	3/8" ID	£1.07

THREAD TO THREAD



**NIPPLE – TAPERED UNF THREAD
POLYPROPYLENE**

896

PART NUMBER	THREAD SIZE	PRICE
cXN32	10-32 UNF	£0.29

NYLON

cXN3230	10-32 UNF	£0.29
---------	-----------	-------

**ELBOW
POLYPROPYLENE**



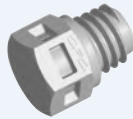
896

PART NUMBER	TUBING	SIZE	PRICE
cXHE2	1/16" ID	1/16" ID	£0.79
cXHE3	3/32" ID	3/32" ID	£0.78
cXHE4	1/8" ID	1/8" ID	£0.78
cXHE5	5/32" ID	5/32" ID	£1.12
cXHE6	3/16" ID	3/16" ID	£1.23
cXHE8	1/4" ID	1/4" ID	£1.57
cXHE12	3/8" ID	3/8" ID	£1.33

NYLON

cXHE230	1/16" ID	1/16" ID	£0.63
cXHE330	3/32" ID	3/32" ID	£0.60
cXHE430	1/8" ID	1/8" ID	£0.59
cXHE530	5/32" ID	5/32" ID	£0.95
cXHE630	3/16" ID	3/16" ID	£1.11
cXHE830	1/4" ID	1/4" ID	£1.18
cXHE1230	3/8" ID	3/8" ID	£1.22

THREADED PLUGS



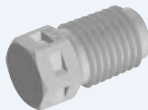
**PLUGS – TAPERED UNF THREAD
POLYPROPYLENE**

896

PART NUMBER	THREAD SIZE	PRICE
cXMP	10-32 UNF	£0.40

NYLON

cXMP30	10-32 UNF	£0.36
--------	-----------	-------



**PLUGS – NPT THREAD
POLYPROPYLENE**

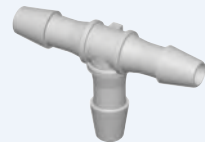
896

PART NUMBER	THREAD SIZE	PRICE
cXN2P	1/16" NPT	£0.61
cXN4P	1/8" NPT	£0.60
cXN8P	1/4" NPT	£0.97

NYLON

cXN2P30	1/16" NPT	£0.54
cXN4P30	1/8" NPT	£0.56
cXN8P30	1/4" NPT	£0.98

**TEE
POLYPROPYLENE**



896

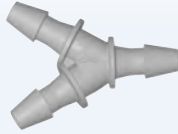
PART NUMBER	TUBING	SIZE	TUBE	PRICE
cXHT2	1/16" ID	1/16" ID	1/16" ID	£0.81
cXHT3	3/32" ID	3/32" ID	3/32" ID	£0.78
cXHT4	1/8" ID	1/8" ID	1/8" ID	£0.83
cXHT5	5/32" ID	5/32" ID	5/32" ID	£1.11
cXHT6	3/16" ID	3/16" ID	3/16" ID	£1.20
cXHT8	1/4" ID	1/4" ID	1/4" ID	£1.54
cXHT12	3/8" ID	3/8" ID	3/8" ID	£1.35

NYLON

cXHT230	1/16" ID	1/16" ID	1/16" ID	£0.63
cXHT330	3/32" ID	3/32" ID	3/32" ID	£0.62
cXHT430	1/8" ID	1/8" ID	1/8" ID	£0.65
cXHT530	5/32" ID	5/32" ID	5/32" ID	£0.92
cXHT630	3/16" ID	3/16" ID	3/16" ID	£1.12
cXHT830	1/4" ID	1/4" ID	1/4" ID	£1.17
cXHT1230	3/8" ID	3/8" ID	3/8" ID	£1.67

All 1/16" hose barb fittings on this page are supplied with shroud

TUBE TO TUBE



'Y'
POLYPROPYLENE

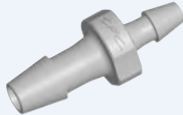
896

PART NUMBER	TUBING SIZE			PRICE
cXHY2	1/16" ID	1/16" ID	1/16" ID	£0.78
cXHY3	3/32" ID	3/32" ID	3/32" ID	£0.79
cXHY4	1/8" ID	1/8" ID	1/8" ID	£0.83
cXHY5	5/32" ID	5/32" ID	5/32" ID	£1.13
cXHY6	3/16" ID	3/16" ID	3/16" ID	£1.35
cXHY8	1/4" ID	1/4" ID	1/4" ID	£1.60
cXHY12	3/8" ID	3/8" ID	3/8" ID	£1.71

NYLON

cXHY230	1/16" ID	1/16" ID	1/16" ID	£0.60
cXHY330	3/32" ID	3/32" ID	3/32" ID	£0.59
cXHY430	1/8" ID	1/8" ID	1/8" ID	£0.64
cXHY530	5/32" ID	5/32" ID	5/32" ID	£1.11
cXHY630	3/16" ID	3/16" ID	3/16" ID	£1.23
cXHY830	1/4" ID	1/4" ID	1/4" ID	£1.35
cXHY1230	3/8" ID	3/8" ID	3/8" ID	£1.69

STRAIGHT REDUCER POLYPROPYLENE



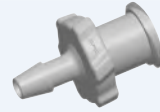
896

PART NUMBER	TUBING SIZE		PRICE
cXHSR32	3/32" ID	1/16" ID	£0.63
cXHSR42	1/8" ID	1/16" ID	£0.63
cXHSR43	1/8" ID	3/32" ID	£0.64
cXHSR52	5/32" ID	1/16" ID	£0.70
cXHSR53	5/32" ID	3/32" ID	£0.67
cXHSR54	5/32" ID	1/8" ID	£0.67
cXHSR62	3/16" ID	1/16" ID	£0.69
cXHSR63	3/16" ID	3/32" ID	£0.68
cXHSR64	3/16" ID	1/8" ID	£0.72
cXHSR65	3/16" ID	5/32" ID	£0.76
cXHSR84	1/4" ID	1/8" ID	£0.71
cXHSR85	1/4" ID	5/32" ID	£0.74
cXHSR86	1/4" ID	3/16" ID	£0.84
cXHSR128	3/8" ID	1/4" ID	£0.94

NYLON

cXHSR3230	3/32" ID	1/16" ID	£0.54
cXHSR4230	1/8" ID	1/16" ID	£0.56
cXHSR4330	1/8" ID	3/32" ID	£0.55
cXHSR5230	5/32" ID	1/16" ID	£0.62
cXHSR5330	5/32" ID	3/32" ID	£0.63
cXHSR5430	5/32" ID	1/8" ID	£0.60
cXHSR6230	3/16" ID	1/16" ID	£0.66
cXHSR6330	3/16" ID	3/32" ID	£0.65
cXHSR6430	3/16" ID	1/8" ID	£0.67
cXHSR6530	3/16" ID	5/32" ID	£0.71
cXHSR8430	1/4" ID	1/8" ID	£0.68
cXHSR8530	1/4" ID	5/32" ID	£0.67
cXHSR8630	1/4" ID	3/16" ID	£0.82
cXHSR12830	3/8" ID	1/4" ID	£0.97

LUERS



FEMALE LUER
POLYPROPYLENE

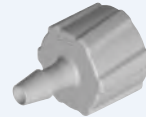
898

PART NUMBER	TUBING SIZE	PRICE
cXLF21	1/16" ID	£0.40
cXLF31	3/32" ID	£0.41
cXLF41	1/8" ID	£0.39
cXLF51	5/32" ID	£0.49
cXLF61	3/16" ID	£0.47

NYLON

cXLF2130	1/16" ID	£0.36
cXLF3130	3/32" ID	£0.38
cXLF4130	1/8" ID	£0.40
cXLF5130	5/32" ID	£0.45
cXLF6130	3/16" ID	£0.49

MALE LUER POLYPROPYLENE



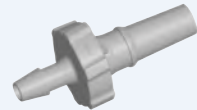
898

PART NUMBER	TUBING SIZE	PRICE
cXLM21	1/16" ID	£0.49
cXLM31	3/32" ID	£0.49
cXLM41	1/8" ID	£0.46
cXLM51	5/32" ID	£0.56
cXLM61	3/16" ID	£0.56

NYLON

cXLM2130	1/16" ID	£0.49
cXLM3130	3/32" ID	£0.45
cXLM4130	1/8" ID	£0.45
cXLM5130	5/32" ID	£0.53
cXLM6130	3/16" ID	£0.51

MALE SLIP LUER POLYPROPYLENE



898

PART NUMBER	TUBING SIZE	PRICE
cXSML21	1/16" ID	£0.35
cXSML31	3/32" ID	£0.35
cXSML41	1/8" ID	£0.36
cXSML51	5/32" ID	£0.42
cXSML61	3/16" ID	£0.41

NYLON

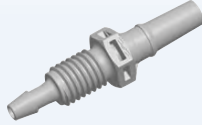
cXSML2130	1/16" ID	£0.33
cXSML3130	3/32" ID	£0.33
cXSML4130	1/8" ID	£0.34
cXSML5130	5/32" ID	£0.34
cXSML6130	3/16" ID	£0.35

All 1/16" hose barb fittings on this page are supplied with shroud

Colours
Nylon fittings and accessories also available in black. Minimum order quantities do apply. Please contact your distributor for more details.

LUERS

PANEL MOUNT MALE LUER POLYPROPYLENE



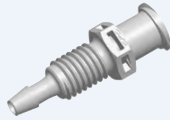
898

PART NUMBER	TUBING SIZE	PRICE
cXPMLM21	1/16" ID	£1.28
cXPMLM31	3/32" ID	£1.33
cXPMLM41	1/8" ID	£1.28

NYLON

cXPMLM2130	1/16" ID	£1.34
cXPMLM3130	3/32" ID	£1.34
cXPMLM4130	1/8" ID	£1.35

PANEL MOUNT FEMALE LUER POLYPROPYLENE



898

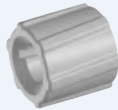
PART NUMBER	TUBING SIZE	PRICE
cXPMLF21	1/16" ID	£0.63
cXPMLF31	3/32" ID	£0.61
cXPMLF41	1/8" ID	£0.61

NYLON

cXPMLF2130	1/16" ID	£0.54
cXPMLF3130	3/32" ID	£0.53
cXPMLF4130	1/8" ID	£0.54

LUER ACCESSORIES

ROTATING LUER LOCKING RINGS POLYPROPYLENE



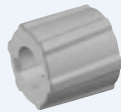
898

PART NUMBER	COLOUR	PRICE
cXLMSR	Natural	£0.40

NYLON

cXLMSR30	White	£0.40
cXLMSR31	Black	£0.40
cXLMSR32	Yellow	£0.40
cXLMSR33	Blue	£0.37
cXLMSR34	Red	£0.40
cXLMSR35	Green	£0.40
cXLMSR36	Orange	£0.40

NON-ROTATING LOCKING LUER RINGS POLYPROPYLENE



898

PART NUMBER	COLOUR	PRICE
cXLMSL	Natural	£0.40

NYLON

cXLMSL30	White	£0.40
cXLMSL31	Black	£0.40
cXLMSL32	Yellow	£0.38
cXLMSL33	Blue	£0.40
cXLMSL34	Red	£0.40
cXLMSL35	Green	£0.38
cXLMSL36	Orange	£0.37

All 1/16" hose barb fittings on this page are supplied with shroud

LUER ACCESSORIES

LUER CAPS POLYPROPYLENE



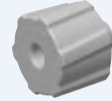
898

PART NUMBER	DESCRIPTION	PRICE
cXLCAP	Luer cap	£0.36

NYLON

cXLCAP30	Luer cap	£0.41
----------	----------	-------

LUER PLUGS POLYPROPYLENE



898

PART NUMBER	DESCRIPTION	PRICE
cXLPLUG	Luer plug	£0.40

NYLON

cXLPLUG30	Luer plug	£0.41
-----------	-----------	-------

PANEL NUT STAINLESS STEEL



898

PART NUMBER	THREAD	PRICE
cXPMNUTSST	1/4 - 28 UNF	£0.46

COLOUR CODED RINGS POLYPROPYLENE



898

PART NUMBER	COLOUR	PRICE
cXPMRL	Natural	£0.39

NYLON

cXPMRL30	White	£0.43
cXPMRL31	Black	£0.42
cXPMRL32	Yellow	£0.41
cXPMRL33	Blue	£0.41
cXPMRL34	Red	£0.40
cXPMRL35	Green	£0.42
cXPMRL36	Orange	£0.42

BLOOD PRESSURE CONNECTORS

BAYONET MALE NYLON



897

PART NUMBER	TUBING SIZE	PRICE
cXBC330	3/32" ID	£0.37
cXBC430	1/8" ID	£0.26
cXBC530	5/32" ID	£0.28
cXBC630	3/16" ID	£0.39

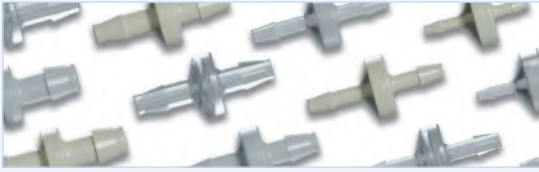
BAYONET FEMALE NYLON



897

PART NUMBER	TUBING SIZE	PRICE
cXBCF497	1/8" ID	£10.32
cXBCF597	5/32" ID	£10.46

CHECK VALVES



DESCRIPTION

Check valves are moulded in virgin materials only. Our disc based check valves utilise a free floating design and can be used in any position with an immediate response to change in pressure or flow.



STANDARD CHECK VALVE
NATURAL NYLON NEOPRENE



2310

PART NUMBER	SIZE	PRICE
CV-1/8-NYN	1/8" x 1/8"	£2.52
CV-3/16-NYN	3/16" x 3/16"	£2.38
CV-1/4-NYN	1/4" x 1/4"	£2.31
CV-3/8-NYN	3/8" x 3/8"	£2.35



STANDARD CHECK VALVE
NATURAL POLYCARBONATE SILICONE



2310

PART NUMBER	SIZE	PRICE
CV-1/8-PCS	1/8" x 1/8"	£2.64
CV-3/16-PCS	3/16" x 3/16"	£2.42
CV-1/4-PCS	1/4" x 1/4"	£2.01
CV-3/8-PCS	3/8" x 3/8"	£3.30



STANDARD CHECK VALVE
NATURAL NYLON SILICONE



2310

PART NUMBER	SIZE	PRICE
CV-1/8-NYS	1/8" x 1/8"	£2.43
CV-3/16-NYS	3/16" x 3/16"	£2.29
CV-1/4-NYS	1/4" x 1/4"	£2.23
CV-3/8-NYS	3/8" x 3/8"	£2.35



STANDARD CHECK VALVE
NATURAL KYNAR VITON™

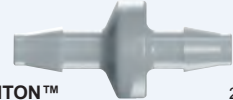


2310

PART NUMBER	SIZE	PRICE
CV-1/8-KAS	1/8" x 1/8"	£4.09
CV-3/16-KAS	3/16" x 3/16"	£4.44
CV-1/4-KAS	1/4" x 1/4"	£4.90
CV-3/8-KAS	3/8" x 3/8"	£5.65



STANDARD CHECK VALVE
NATURAL POLYPROPYLENE VITON™



2310

PART NUMBER	SIZE	PRICE
CV-1/8-PPV	1/8" x 1/8"	£2.27
CV-3/16-PPV	3/16" x 3/16"	£2.77
CV-1/4-PPV	1/4" x 1/4"	£3.26
CV-3/8-PPV	3/8" x 3/8"	£2.78

HDPE IN-LINE FILTERS



DESCRIPTION

In-line filters are moulded in virgin materials only and are designed for removing most visible particulate in aqueous solutions. Standard materials are natural nylon, natural polypropylene, and clear polycarbonate. Non-standard materials and configurations are available on request.



HDPE IN-LINE FILTER
NATURAL NYLON



2310

PART NUMBER	SIZE	FILTRATION	PRICE
ILF-1/8-NY4590	1/8" x 1/8"	45 – 90 micron	£2.47
ILF-1/8-NY90130	1/8" x 1/8"	90 – 130 micron	£2.55
ILF-3/16-NY4590	3/16" x 3/16"	45 – 90 micron	£3.01
ILF-3/16-NY90130	3/16" x 3/16"	90 – 130 micron	£3.09
ILF-1/4-NY4590	1/4" x 1/4"	45 – 90 micron	£3.15
ILF-1/4-NY90130	1/4" x 1/4"	90 – 130 micron	£3.07
ILF-3/8-NY4590	3/8" x 3/8"	45 – 90 micron	£2.84
ILF-3/8-NY90130	3/8" x 3/8"	90 – 130 micron	£2.76



HDPE IN-LINE FILTER
NATURAL POLYPROPYLENE

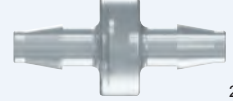


2310

PART NUMBER	SIZE	FILTRATION	PRICE
ILF-1/8-PP4590	1/8" x 1/8"	45 – 90 micron	£2.69
ILF-1/8-PP90130	1/8" x 1/8"	90 – 130 micron	£2.77
ILF-3/16-PP4590	3/16" x 3/16"	45 – 90 micron	£2.97
ILF-3/16-PP90130	3/16" x 3/16"	90 – 130 micron	£3.05
ILF-1/4-PP4590	1/4" x 1/4"	45 – 90 micron	£3.75
ILF-1/4-PP90130	1/4" x 1/4"	90 – 130 micron	£3.67
ILF-3/8-PP4590	3/8" x 3/8"	45 – 90 micron	£3.11
ILF-3/8-PP90130	3/8" x 3/8"	90 – 130 micron	£3.03



HDPE IN-LINE FILTER
NATURAL POLYCARBONATE



2310

PART NUMBER	SIZE	FILTRATION	PRICE
ILF-1/8-PC4590	1/8" x 1/8"	45 – 90 micron	£3.28
ILF-1/8-PC90130	1/8" x 1/8"	90 – 130 micron	£3.37
ILF-3/16-PC4590	3/16" x 3/16"	45 – 90 micron	£3.11
ILF-3/16-PC90130	3/16" x 3/16"	90 – 130 micron	£3.19
ILF-1/4-PC4590	1/4" x 1/4"	45 – 90 micron	£2.82
ILF-1/4-PC90130	1/4" x 1/4"	90 – 130 micron	£2.73
ILF-3/8-PC4590	3/8" x 3/8"	45 – 90 micron	£1.54
ILF-3/8-PC90130	3/8" x 3/8"	90 – 130 micron	£2.18

Most CPC products on the previous pages can be supplied with the modifications listed, subject to a minimum quantity of 100 pieces per modified product and a net cost of £450 per product. Smaller quantities can be quoted separately based on bag quantities with a setup charge.

Some of the more popular combinations, such as PLCD in-line couplings and inserts with viton seals are carried as stock items, in which case there would be no minimum order requirement.

Please contact your distributor to check if this is applicable to your modification.

*Dyeing of couplings is offered as a convenient method of colour coding Acetal products in smaller quantities. Dyed couplings vary in colour and consistency, and the colourant may leach from the coupling if used with a liquid medium. **For applications requiring a consistent and stable colourant, contact your distributor for "moulded colour" applications.** Minimum quantity for moulded coloured products applies.

ADDITIONS – PLEASE CONTACT YOUR DISTRIBUTOR FOR COSTS
NOTE: THERE ARE NO RETURNS ON MODIFIED PRODUCTS

DESCRIPTION	
SEAL CHANGES IN STANDARD COUPLINGS	
Fluorocarbon (V), EPDM (EPR), Buna-N (BN) – price per seal	
Food Grade Buna-N (FBN) and Food Grade EPDM (FEP) – price per seal	
Non-valved body:	no seal
Valved body:	1 seal
Non-valved insert:	1 seal
Valved insert:	2 seals
Twintube™ insert:	2 seals
Tentube™ assembly (V, EPR and BN only)	
Kalrez seals (LC, MC, PLC, PMC, APC, EFC) - price per seal	
Kalrez seals (Other Series) – price per seal	
Hastelloy C (HC) valve spring charge	
Viton seals (NS1, NS2, NS4, NS6) – price per coupling half	
Viton seals (NSH) – price per coupling half	

ADDITIONS – PLEASE CONTACT YOUR DISTRIBUTOR FOR COSTS
NOTE: THERE ARE NO RETURNS ON MODIFIED PRODUCTS

DESCRIPTION	
PANEL NUT MATERIAL CHANGE (STANDARD – NICKEL PLATED BRASS)	
Acetal	(MC, LC, EFC Sizes)
Stainless steel	(MC Sizes)
Stainless steel	(LC, EFC Sizes)
PANEL AND PTF NUT ASSEMBLED ONTO COUPLING (NA)	
Product with one nut	
Product with two nuts	
OTHER MODIFICATIONS	
High temp. valve (HT) for chrome plated brass couplings (chrome plated brass valve, Fluorocarbon seal)	
Colour dyeing of standard Acetal couplings* – price per part	
Exclusion of body thumb latch assembly (NC) – (except panel mount, see multiple mount section)	
Exclusion of valve assembly (PMCX, PLCX, APCX, EFCX and HFCX)	

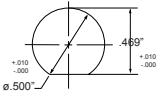
Modified parts are subject to CPC approval and order acceptance.

PANEL MOUNT OPENING DIMENSIONS AND SPECIFICATIONS

PMC Series

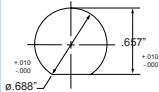
GREENLEE® punch number 60077

*Greenlee is a registered trademark of Greenlee Textron, Inc.



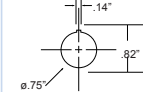
APC Series

Max. panel thickness: 1/2"
Min. panel thickness: 0.02"



EFC Series

Gasket thickness: .06"
Mounting hole: .720" dia.
Coupling spacing: 1.25" min.
Greenlee® 720 keyway punch and 730BB-3/4 hole punch.



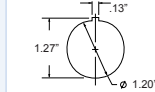
HFC Series

Gasket thickness: .06"
Mounting hole: 1.21" dia.
Coupling spacing: 1.62" min.
Panel thickness: 1/4"



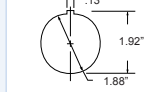
Sixtube™ Series

Panel thickness: 1/8"
Diameter hole: 1.2"



Tentube® Series

Panel thickness: 7/16"
Diameter hole: 1.875"



PANEL MOUNT SPECIFICATIONS

	PANEL OPENING	MAX. OPENING THICKNESS	MIN. OPENING THICKNESS
SMC Series Coupling Bodies & Inserts	7/16	0.21	0.03
PMC Series Coupling Bodies	see sketch	0.50	0.05
Coupling Inserts	1/2	0.30	0.05
PMC12 Series Coupling Bodies	1/2	0.50	0.05
MC Series Coupling Bodies (except male thread)	1/2	0.50	0.05
Coupling Bodies (male thread only)	1/2	0.21	0.05
Coupling Inserts	1/2	0.30	0.05
APC Series Coupling Bodies	see sketch	0.50	0.02
Coupling Inserts	11/16	0.30	0.02
PLC12 Series Coupling Bodies	11/16	0.50	0.02
Coupling Inserts	11/16	0.30	0.02
LC Series Coupling Bodies & Inserts	11/16	0.50	0.05
LC SST Series Coupling Bodies	3/4	0.65	0.05
EFC Series Coupling Bodies & Inserts	23/32	0.50	0.00

PANEL MOUNT SPECIFICATIONS

	PANEL OPENING	MAX. OPENING THICKNESS	MIN. OPENING THICKNESS
NSH Series Adaptor Kit	2	0.50	0.13
HFC12 / 35 / 57 Series Coupling Bodies	see sketch	0.25	0.00
FFC 35 Series Coupling Bodies	1.21	0.25	0.00
Twin Tube™ Series Coupling Bodies - Acetal	0.69	0.50	0.05
Coupling Bodies - ABS	0.69	0.30	0.02
TenTube™ Series Adaptor	1.88	0.44	0.06
Multi Mount Series - 1/8" Flow Multi Mount Bodies	1/2	0.50	0.05
Multi Mount Series - 1/4" Flow Multi Mount Bodies	11/16	0.50	0.02
Keyed Colour Coded Series Coupling Bodies	1/2	0.50	0.02
Tube Fittings Union	1/2	0.25	0.05
NS4 Series Coupling Inserts	15/16	0.25	0.03
NS6 Series Coupling Inserts	1.1/4	0.25	0.03

The type of media flowing through a connection can affect the strength, surface appearance, colour, and performance of the connection. Some guidelines for the different types of material:

THERMOPLASTICS

Acetal Strong, lightweight and economical and is used for a wide variety of chemical and mechanical components. Acetal offers high strength and rigidity over a broad temperature range, low wear, toughness and resistance to repeated use.

ABS Economical medical grade thermoplastic that withstands gamma and e-beam sterilisation. It is commonly used in medical devices. ABS is an amorphous material with good physical properties and high resistance to chemical attack.

Polyamide (Nylon) Very resistant to wear and abrasion, good mechanical properties even at elevated temperatures, low permeability to gases and good chemical resistance.

Polysulfone Rigid material with excellent strength, good chemical resistance, withstands repeated sterilisation, and higher temperatures than other thermoplastics. High hydrolytic stability allows its use in medical applications requiring autoclave and steam sterilisation.

Polycarbonate Resistant to some chemicals, withstands sterilisation and is transparent. It is commonly used in medical devices and offers impact resistance, outstanding dimensional stability and good optical properties.

Polypropylene Excellent general purpose resin that is highly resistant to chemical attack from solvents and chemicals in harsh environments. In general, polypropylene is resistant to environmental stress cracking, and it can be exposed to challenging environments.

Polyethylene Low cost, chemically resistant thermoplastic. It is opaque and can withstand reasonably high temperature. Polyethylene, unlike polypropylene, cannot withstand normally required autoclaving conditions.

PEEK (Polyetheretherketon) High temperature resistant, engineered thermoplastic with excellent chemical and fatigue resistance. It exhibits superior mechanical and electrical properties.

PPS (Polyethylene Sulfide) Broadest resistance to chemicals for its market as an advanced engineering plastic. (PEEK and PTFE have better resistance, but are not considered engineering resins.)

FLUOROPOLYMERS

PVDF Tough engineering thermoplastic with a balance of physical and chemical properties that qualify it for high performance in a wide range of applications. It is mechanically strong and tough, has good ductility, and has a broad, useful temperature range.

PTFE Chemically resistant to all chemicals and solvents with the exception of some molten metals, molten sodium hydroxide, elemental fluorine, and certain fluorinating agents. PTFE offers chemical resistance and stability at high temperature.

ALLOYS

Chrome plated brass Rugged metallic material with an attractive appearance, chrome plated brass is excellent for higher pressure and temperature.

Die-cast zinc Durable and lightweight (about 20% less than comparable brass) material that withstands high pressure and temperature.

Aluminium Lightweight metal with an available hard anodised finish for durability. Aluminium is non-toxic, non-magnetic and non-sparking and is known for its high strength to weight ratio.

O-RING SELECTION

Buna-N A common material for o-rings with a temperature range of -4°C to 121°C (-30°F to 250°F).

FKM Well known for its outstanding resistance to heat, oxidation, weathering, and ozone. The temperature range is -26°C to 204°C (-15°F to 400°F).

EPDM Ethylene-propylene-diene rubber (EPDM, also sometimes referred to as EPR) is a chemically resistant family of compounds. Colder uses high quality peroxide cured EPDMs that provide exceptional resistance to temperatures with a wide range of chemicals.

FFKM (Chemraz®, Simriz®, Kalrez®) Broadest range of chemical resistance of any elastomeric material, combining the resilience and sealing force of an elastomer with chemical resistance approaching that of PTFE.

PFA & FEP Encapsulated seals combine the resiliency of the elastomer with the superior chemical resistance of the fluoropolymer to achieve a seal that is lower cost than a pure fluoroelastomer FFKM seal.

Food-grade Commonly used when food, beverages or potable water is going through the coupling.

Silicone Seals have good temperature resistance. The temperature range is -57°C to 204°C (-70°F to 400°F) with special compounds that can reach 79°C to 232°C (175°F to 450°F). Silicone can also be supplied with Class VI requirements for life sciences applications.

INTERPRETATION OF TEST DATA

WARNING:

The compatibility data was assembled from 3 main sources: a) the Chemical Resistance Guides published by COMPASS PUBLICATIONS®, b) the Chemical Resistance guide published by VICTREX, the manufacturer of PEEK™ and c) the Entegris Chemical Compatibility Chart. The table is to be used as a general guide only. Colder Products Company is not responsible for the accuracy of this data and assumes no obligation of liability in connection with its use. **Therefore, CPC insists that all customers test and evaluate the suitability for use of CPC couplings in their particular application before using the couplings.**

NOTES:

* PVDF may discolour after prolonged exposure in Potassium Hydroxide.

* Polypropylene may discolour after prolonged exposure in Sulphuric Acid.

Viton® is a registered trademark of Dupont Dow Elastomers, PEEK™ is a trademark of Victrex USA, Inc, Halar® is a registered trademark of Ausimont, Chemraz® is a registered trademark of Green Tweed.



CHEMICAL COMPATIBILITY TABLE



TWO

INTERPRETATION OF TEST DATA

	SWELLING		LOSS OF TENSILE STRENGTH		DESCRIPTION OF CHEMICAL ATTACK
	(In 30 days to 1 year of exposure)				
	Linear (Plastics)	Volumetric (Elastomers)	(Plastics)	(Elastomers)	
A	< 10%	<= 15%	< 15%	<= 15%	Excellent, little or no swelling, softening or surface deterioration
B	< 15%	<= 30%	< 30%	<= 30%	Good chemical resistance, minor swelling, softening or deterioration
C	< 20%	<= 50%	< 50%	<= 60%	Limited chemical resistance, moderate attack, conditional service
NR	> 20%	> 50%	> 50%	> 60%	Severe attack, not recommended for use

NOTE: All temperatures are in degrees Fahrenheit. Conversion: °C = (°F - 32) / 1.8

CHEMICAL	SPRING Materials						COUPLING Materials			
	Name	Formula (CAS #)	Hastelloy C (Z76)	316 SS	PPS	Peek™	Teflon® Encapsulated 316 SS	Polypropylene	HDPE	PVDF
Acetic Acid		<chem>C2H4O2</chem> (64-19-7)	A to 212°	A to 212°	A	A	A (PTFE Encapsulated 316 Stainless St.)	A to 140° AB 50-100% to 160° AB to 80% to 180°	AB to 100% to 70° AB 60% to 180°	A to 122° A to 10% to 225° AB to 50%, 150-200°
Acetic Anhydride (Acetyl Oxide)		<chem>C4H6O3</chem> (133-20-3)	A	A to 40% to 165° A 40-100% to 300°	A to 200°	NO DATA	A (PTFE Encapsulated 316 Stainless St.)	AB to 130° NR @ 140°	B/NR 100% 70-180°	AB to 70° NR @ 122°
Acetone (Dimethyl Ketone)		<chem>CH3COCH3</chem> (67-64-1)	A	A to 212°	A to 200°	A to 212°	(PTFE Encapsulated 316 Stainless St.)	A to 230°	C at 70°	A to 10% to 122° AB 50% to 77°
Acetonitrile (Methyl Cyanide)		<chem>CH3CN</chem> (75-09-5)	B @ 70°	A @ 100% to 100° NR 4% @ 192°	A to 200°	A to 70°	A (PTFE Encapsulated 316 Stainless St.)	AB to 75° NR @ 122°	A to 122°	A to 125° B @ 150° NR @ 180°
Aluminium Sulfate (Aluminium Salt)		<chem>Al2O3.S</chem> (100093-01-3)	A to 165°	A to 50% to 212° AB 50-100%	A to 100% to boiling	A to 212°	A	A to 100% to 160° A to 10% to boiling AB 100% at 250°	A to 160°	A to 100% to 280° A 10% to boiling
Amines (General)		NA	A to 85% to 160° AB to 200°	A	A to 70°	A to 70°	A	AB to 120°	NR	NR
Ammonia Gas (Anhydrous)		<chem>NH3</chem> (7664-41-7)	A @ 100% to 140°	A to 40% to 165° A 40-100% to 212°	A to 200°	A	A	A to 100% to 212°	A to 140°	A
Ammonia (Aqueous) (Ammonium Hydroxide)		<chem>NH3</chem> (7664-41-7)	A to 100% to 70° AB to 100% to 200°	A to 100% to 70° AB to 10% to 200°	A to 30% to 70° A to 10% to 200°	AB	A (PTFE Encapsulated 316 Stainless St.)	A to 185°	BC to 30% to 120° NR to 30% at 140°	A
Ammonium Acetate		<chem>C2H7NO2</chem> (631-31-6)	A @ 19%	A to 100% to 150°	NO DATA	NO DATA	A	A to 102° AB to 180°	A to 122°	A to 100% to 175°
Ammonium Fluoride		<chem>NH4F</chem> (12125-01-8)	A to 25% to 175° A 45% to 260°	AB to 10% to 212° NR > 10%	NR	NO DATA	A (PTFE Encapsulated 316 Stainless St.)	A	AC 25-100% to 120° A to 25% to 160°	A
Ammonium Hydroxide (Ammonia, Aqueous)		<chem>NH4OH</chem> (1336-21-6)	A to 47% to 70° A @ 100% to 150° AB @ 100% to 200°	A to 100% to 70° A @ 100% to 150°	A to 200°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A to 225°	AB to 100% to 140°	A to 200°
Ammonium Sulfate (Dolamin)		<chem>(NH4)2SO4</chem> (7783-20-2)	A to 10% to boiling A sat. to 130° AB sat. to 200°	A to 37% to 221° AB 38-80% to 150° A sat'd to boiling	A to 200°	A	A (PTFE Encapsulated 316 Stainless St.)	A 10% to 100°	A to 100% to 70° AB to 100% 120-180°	A
Aqua Regia (Nitrohydrochloric Acid)		<chem>HCL.HNO3</chem> (8007-96-5)	NR (Titanium: A to 70°) (Tantalum: A)	NR	NR	NR	A (PTFE Encapsulated 316 Stainless St.)	C at 70 - 104°	NR	A to 100° AB to 178° B a 212°
Benzene (Mineral Naphtha) (Benzol)		<chem>C6H6</chem> (71-43-2)	AB @ 100% to 140° B to 100% to Boiling	A to 20% to 217° AB 20-100% to 200°	A to 100°	A to 212°	A to 500°	AB to 10% to 70° AB dilute to 140°	A to 10% to 70° CNR at 100% at 70° NR at 122°	A to 100% to 120° AB at 100% at 120-140° B at 100% at 140-158°
Butyl Acetate (N-Butyl Acetate)		<chem>C8H16O2</chem> (123-86-4)	A	A	A to 200°	A to 70°	A to 500°	NR	AC at 70° BC at 120°	A to 70° AB at 80-100° C at 104-120°
Butyl Alcohol (N-Butanol)		<chem>C4H9O</chem> (71-36-3)	A	A	A to 200°	A to 70°	A	AB to 100% to 180°	A to 150°	AB to 120° NR @ 150°
Calcium Carbonate (Aglime)		<chem>CaCO3</chem> (471-34-1)	B to 100% to Boiling	A Dilute to 120° AB @ 100%	A to 150°	A to 70°	A to 500°	A to 248°	A to 160°	A to 258° AB to 285°
Caprylic Acid (Octanoic Acid)		<chem>C8H16O2</chem> (124-07-2)	NO DATA	NO DATA	NO DATA	NO DATA	A	A to 125° BC @ 250°	BC @ 70 - 150°	A to 158° B/NR 175-285°
Ceric Ammonium Nitrate (CAN)		<chem>Ce(NH4)2(NO3)6</chem> (15774-21-3)	NO DATA	NO DATA	NO DATA	NO DATA	A	NO DATA	NO DATA	NO DATA
Chlorine (Anhydrous) (Dichlorine, Chlorinated Water)		<chem>Cl2</chem> (7782-50-5)	A to 140° (to 10 ppm to 70°)	A to 70° (to 10 ppm to 70°)	NR	A to 10% to 70° NR Conc. @ 70°	A (PTFE Encapsulated 316 Stainless St.)	NR	A to 2% to 140° NR	A to 100% to 200° AB at 100% to 230° NR
Chlorine Dioxide (Chlorine Peroxide) (CDG Solution 3000, 0.3% Sol.)		<chem>ClO2</chem> (10049-04-4)	A to 70° AB 15% to 175° C 8-10% @ 150°	A 4-5% to 36° NR 10-100% @ 70°	A	NR	A	NR 15-100% @ 70°	NR @ 70°	A to 70° (Stressed) B to 120° (Stressed) NR with UV Present
CLOROX (5.25% Sodium Hypochlorite)		<chem>CLNaO</chem>			A to 200° (13 months) BC @ 200° (1 yr) C @ 70 (1 yr)	AB	A	A to 120° AB to 175° NR @ 212°	A to 150°	A
Citric Acid		<chem>C6H8O7</chem> (7716-94-9)	A to boiling	A to 50% B @ 100% 70-212° NR 60-100% >125° A to 100% to 160°	A to 220°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A	A to 100% to 160° AB to 100% at 180°	A
Copper Sulfate (Cupric Sulfate)		<chem>CuSO4</chem> (7758-98-7)	A to boiling	A to 45% to 180° A to 10% to 212°	A to 223°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A	A to 50% to 150° AB at 50-100% to 180°	A
Corn Oil		NA	A	A	A to 100°	A to 70°	A	A	A	A
Corn Syrup		NA	A	A	A to 100°	A to 70°	A	A	A to 150°	A
Cotton Seed Oil		NA	A	A	A to 200°	NO DATA	A	A	A to 140°	A
CRESOL (M, O & P)		<chem>C6H6O3</chem>	AB to 200°	AB 100° A 100% to 140°	A to 200°	A to 70°	A	NR	AB to 50% C/NR 50-100% @ 70°	A
Cyclohexanone (Cyclohexyl Ketone)		<chem>C6H10O</chem> (108-94-1)	A to 100°	A to 100 to 100°	A to 200°	A to 70°	A to 500°	AB to 70° B at 70-100° NR at 120°	NR	AB to 122°
Dichloroacetic Acid (DCA)		<chem>Cl2CHCO2H</chem> (79-43-6)	NO DATA	NO DATA	NO DATA	NO DATA	A (PTFE Encapsulated 316 Stainless St.)	AB to 100% to 125°	BC at 70°	AB to 50% to 212° AB 100% to 125°
Dichloromethane (Methylene Dichloride)		<chem>CH2CL2</chem> (75-09-2)	AB	A to 70°	A 100% to 70° A/NR 40% @ 100°	NR	A (PTFE Encapsulated 316 Stainless St.)	B/NR @ 70° C/NR @ 88-122°	NR	AB to 100° to 100° B 100% 104 - 125°
Diesel Fuel		NA	A to 140° AB to 200°	A to 200°	A to 200°	A to 70°	A	AC @ 70° BC @ 120°	A to 70° BC @ 140°	AB to 125°
Diethanolamine (DEA)		<chem>C4H11NO2</chem> (111-42-2)	A	A	NO DATA	NO DATA	NO DATA	A	A to 100% to 150° AB 100% to 225°	AB to 70°
Dimethyl Acetamide (DMAc)		<chem>C4H9NO</chem> (127-19-5)	A	A	NO DATA	NO DATA	A	AB to 125°	A to 122°	NR
Dimethyl Sulfoxide (DMSO)		<chem>C2H6OS</chem> (67-68-8)	A	A	A to 200°	B @ 70-122°	A	A to 125°	A to 122°	NR
DI Water (Deionized Water) (Ultra Pure Water, 17 megaohm +)		<chem>H2O</chem>	A	B @ 12 - 18.2 megaohm A @ < 12 megaohm	A to 200°	A	A (PTFE Encapsulated 316 Stainless St.)	A	A to 140°	A
Ether (Ethyl Ether) (Diethyl Oxide)		<chem>C4H10O</chem> (60-29-7)	A @ 100% to 200° A to 56% to 171°	A @ 100% to 212°	A to 200°	A to 212°	A to 500°	NR	NR at 100% at 140°	AB to 94° B @ 104° NR @ 140°
Ethyl Acetate (Acetic Ether)		<chem>C4H8O2</chem> (141-78-6)	A	A	A to 100% to 100°	A to 70°	A (PTFE Encapsulated 316 Stainless St.)	A to 180°	BC at 100% at 70° C at 100% at 122° NR at 100% at 140°	A to 70° B @ 100 - 122° NR @ 170°
2 Ethoxy Ethyl Acetate (Ethoxyethanol Acetate)		<chem>C8H16O4</chem> (111-15-9)	A	A	A	A to 70°	A	BC @ 70-120° NR @ 140°	AB to 122°	A



CHEMICAL COMPATIBILITY TABLE



INTERPRETATION OF TEST DATA

WARNING:

The compatibility data was assembled from 3 main sources, a) the Chemical Resistance Guides published by COMPASS PUBLICATIONS®, b) the Chemical Resistance guide published by VICTREX®, the manufacturer of PEEK® and c) the Entegris Chemical Compatibility Chart. The table is to be used as a general guide only. Colder Products Company is not responsible for the accuracy of this data and assumes no obligation of liability in connection with its use. **Therefore, CPC insists that all customers test and evaluate the suitability for use of CPC couplings in their particular application before using the couplings.**

NOTES:

- * PVDF may discolour after prolonged exposure in Potassium Hydroxide.
- * Polypropylene may discolour after prolonged exposure in Sulphuric Acid.

Viton® is a registered trademark of Dupont Dow Elastomers, PEEK® is a trademark of Victrex USA, Inc, Halar® is a registered trademark of Ausimont, Chemraz® is a registered trademark of Green Tweed.

COUPLING Material					SEAL Material					
PTFE/PFA	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton®)	EPDM	FFKM (Chemraz® / Simriz® / Kalrez®)	Buna	TPO (Santoprene)	Silicone
A	A to 5% to 70° BC 10% @ 70°	AB 10% to 70° C 20% @ 70° NR 50-100% @ 70°	A to 100% to 70° A to 20% to 140°	A to 50% to 70° B to 50% @ 122°	A 10% to 70° B 10-25% to 100° B 50% to 140°	A to 70° AB to 200°	A A to 70°	B to 30% to 70° B to 20% to 185° C at 80% to 70°	A to 30% to 70° C 50% @ 70°	A A to 70°
A	NR at 70°	BNR @ 70° NR @ 122	NR at 70°	NR at 70°	B 50% to 70° NR 50% @ 100° NR 100% @ 70°	B to 200°	A	C at 100% to 70° NR 25-50% at 70°	A to 70°	A
A	A at 5% to 140° B at 70°	B 10% @ 70°	A to 20% to 70° NR at 100% at 70°	A to 70° NR 10-100% at 70°	NR	A to 200°	A	125% vol 3 days 70° NR any conc at 70°	AB to 70°	A
A	NR at 70°	NO DATA	NR at 70°	NR at 70°	NR	A	A		NR	A
A	A at 10% to 70° AB to 100% to 180°	A to 70° AB to 120°	A to 100% to 200° A to 10% to boiling	A to 100% to 200°	A to 100% to 175° A to 10% to boiling	A to 175° AB to 200°	A to 70°	A to 70° AB any conc to 180°	A to 70°	A to 70°
A	NR at 70°	NO DATA	NO DATA	NR at 70°	NR	AB to AC	A	NR at 70°	A to 70°	A
A	NR at 70°	B @ 70°	C at 70°	NR at 70°	NR	A to 140°	A to 104° A (Black 550) AB (White 571 & 592)	A to 140° B to 140° NR at 200°	A	A (Black 550) AB (White 571 & 592)
A	ANR 10-30% to 120°	B @ 70°		NR 70-150°	AB 30% to 70° C 10% @ 104° A ammonia H2O	A 100% to 212°	A	A at 38% to 200°	A to 70°	A
A	A to 70°	NO DATA	A sa'd to 122°	A sa'd to 122°	A to 140° B at 212°	A to 140° B at 212°	A	A to 140° B at 175°	A to 70°	A
A	NO DATA	NO DATA	NO DATA	NR at 70°	A to 140°	A to 140°	A	AB any conc to 104°	NO DATA	A
A	AB to 100% to 140°	B @ 70°	A to 100% to 200°	BC 5% at 70° NR 10-100% 70° NR 5% at 120°	A46% to 70° AB to 70° B 104-140°	A to 160° AB to 200°	A	A to 38% to 200° ANR conc to 140°	A to 70°	A
A to 400°	B 100% 70-140° AB fertilizer to 70° AB to 5% to 70°	A to 70° AB @ 120°	A to 100% to 200° A to sa'd to boiling	A to 100% to 200° NR 10-100%boiling	A to 70°	A to 120°	A	A any con to 200°	A to 70°	A
A	NR at 70°	NR	NR at 70°	NR at 70°	A to 70° B to 185°	B to 104° NR at 140°	A (White 571 & 592) AB to 70° (Black 550)	NR at 70°	NR	A (White 571 & 592) AB to 70° (Black 550)
A to 500°	A to 140°	NR	NR at 70°	NR at 70°	B to 158°	NR at 70°	A to 70°	NR at 70°	NR	NR at 70°
A to 500°	AB to 70°	NO DATA	NR at 70°	NR at 70°	NR at 70°	B at 70°	A	NR at 70°	BC @ 70°	NR at 70°
A	A to 70° AB to 140°	NR	A to 200 (No Stress) B @ 70° < 1 KSI	A to 200° (No Stress) AB to 70°	A to 70°	AB to 100°	A	A to 100% to 140° AB to 180°	B @ 70°	B @ 70° (Static) C @ 70° (Dynamic)
A to 500°	A to 10% to 150° AB to 180°	NO DATA	NO DATA	C at 70-150°	A to 248°	A to 140°	A to 70°	A to 200°	A to 70°	AC to 70°
A	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	A	C @ 70°	NO DATA	NO DATA
A	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA
A	NR at 10-100% at 70°	NR	NR at 70°	NR at 70°	C 400 ppm at 70°	B 400 ppm at 70° C 400 ppm at 104°	A to 70°	C sa'd to 70° NR 400 ppm at 70°	NR	NR at 70°
A	NO DATA	B @ 70°	NO DATA	NO DATA	AB to 8% @ 70° NR 15% @ 70° A 8% (HIFLUOR)	NR 8% @ 70°	A	NR 8% @ 70°	NR at 70°	NO DATA
A	A to 0.03% to 140° NR 5%	BC @ 70°	A to 200°	A to 70°	A	AB to 140°	A	B	B @ 70°	AB to 70°
A	AB at 15% at 140-150° B at 15-100% at 70° C at 100% at 140-150°	A 10% to 70° B 20% 2 70°	A to 100% to 150° A to 100% 10 70°	A to 100% to 70° B at 10-15% at 120° C at 15% at 150°	A	A	A	A to 200° B at 212°	A to 70°	A
A	AB to 100% to 140°	A to 70°	A to 200°	A to 100% to 70°	A to conc. to 176° AB to 212°	A to conc. to 176° AB to 212°	A	A to conc to 176° AB any conc to 212°	A 5% to 70° A sa'd to 70°	A
A	AB	A to 70°	A	A	A	NR	A	A	A to 212°	A
A	AB to 140°	AB to 70°	A	A	A	A	A	A	NO DATA	A
A	AB	NO DATA	A	A	A	A	A	A	AB to 70°	A
A	NR 50 - 100%	NR	NO DATA	NR	A to 104°	NR	A	C/NR	NR	B.NR
A to 500°	A to 70° AB to 140°	NR	NR at 70°	NR at 70°	NR at 70°	BC at 70°	B to 70°	NR at 70°	NR	NR at 70°
A	NO DATA	NO DATA	NO DATA	NO DATA	NR	NO DATA	A	NR at 70°	NO DATA	A
A	A to 70°	NR	NR at 70°	NR at 70°	B @ 70°	BC to 130° NR @ 140°	A	NR at 70°	NR	A
A	A to 150°	NO DATA	A to 200°	A to 200°	A to 70°	NR	A	A to 70° AB to 250°	C/NR	NR
A	NO DATA	NO DATA	A to 70°	NO DATA	NR B (HIFLUOR)	AB 70-160°	A	NR	A to 70°	NR
A	NO DATA	NO DATA	NR at 70°	NR at 70°	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA
A	NR	NO DATA	NR	NR	NR 'A' for 'F Type' (HIFLUOR)	A to 70°	A	NR	A	A (Static) C (Dynamic)
A	NO DATA	A to 70°	A to 200°	NO DATA	A to 70° AB to 200°	A to 70° AB to 200°	A	A to 70° AB to 200°	NO DATA	A
A	A to 70° AB at 140°	NR	NR at 70°	NR at 70°	NR	NR	A	NR at 70°	NR	A
A	A to 10% to 200° AB at 100% to 70° BC at 100% at 140°	AC @ 70°	NR at 70°	NR at 85-100% at 70°	NR	A @ 100% to 130°	A	NR at 70°	NR	B @ 70° NR @ 200°
A	A to 70°	NO DATA	NR	NR	CNR AB (HIFLUOR)	B	A	NR	C/NR	NR



CHEMICAL COMPATIBILITY TABLE



TWO

CHEMICAL		SPRING Materials					COUPLING Materials			
Name	Formula (CAS #)	Hastelloy C (276)	316 SS	PPS	Peek™	Teflon® Encapsulated 316 SS	Polypropylene	HDPE	PVDF	
Ethyl Alcohol (Ethanol/Grain Alcohol) (Denatured Alcohol)	C ₂ H ₅ OH (64-17-5)	A to 100% to 212*	A to 100% to 200*	A to 212*	A	(PTFE Encapsulated 316 Stainless St.)	A to 100% to 180*	A to 100% to 160*	A to 100% to 176* AB to 100% to 280*	
Ethylene Glycol (Glycol Alcohol) (Prestonite®)	HOCH ₂ -CH ₂ OH (107-21-1)	A 20-100%	A 40-100% to 200* A 100%	A to 200*	A to 212*	(PTFE Encapsulated 316 Stainless St.)	A	A to 160*	A	
Ethylene Glycol Mono Butyl Ether (Butyl Cellosolve)	C ₈ H ₁₈ O (111-76-3)	A to 200*	A to 200*	A to 200*	NO DATA	A	AB to 140*	BNR@70*	A to 104* NR @ 212*	
Ferric Sulfate (Sulfuric Acid)	Fe ₂ O ₃ ·S ₃ (10028-22-9)	A to 100% to 140*	A to 10% to 212* A 20-100% to 140*	A	A	A	A	A to 100% to 150*	A	
Formaldehyde (Formalin)	CH ₂ O (500-00-0)	A to 20% B 20-100% to 200*	A	A to 100% to 70* NR 37% to 200*	A	A	A	A to 80* B @ 150*	A to 100% to 104* A to 37% AB 40-100% @ 140*	
Formic Acid (Formylic Acid)	CH ₂ O ₂ (64-18-6)	A to 100% to 200*	A to 5% AB 5 - 80% to 212* B 80 - 100% to 212*	A to 100% to 70* A to 40% to 200* NR @ 37% @ 150*	AB to 10% to 70* BC 100% @ 70*	(PTFE Encapsulated 316 Stainless St.)	A to 100% to 70* A to 40% to 104* C 100% @ 140*	A to 100% to 104* AB at 50-100% at 140-150* BC at 100% at 180*	A to 100% to 212*	
Gasoline (Petrol)	NA	A	A to 200*	A to 176*	A to 212*	A to 500*	A	NR	A to 275* AB to 285*	
Glycerol (Glycerin)	C ₃ H ₈ O ₃ (56-81-5)	A to 100% to 212* A @ 100% to 800*	A to 100% to 200* A @ 100% to 300*	A to 200*	A to 100% to 70*	A to 450*	A to 100% to 225*	A to 160* A to 150* AB to 180*	A to 100% to 275* AB at 100% at 285*	
Hexane (Dipropyl) (N-Hexane)	C ₆ H ₁₄ (110-54-3)	A	A @ 100% to 200*	A to 200*	A to 70*	(PTFE Encapsulated 316 Stainless St.)	BC @ 70-104* C @ 120-140* NR @ 140*	NR	A	
HMDS (1,1,1,3,3,3-Hexamethyldisilazane) Bis(trimethylsilyl)amine	C ₆ H ₁₅ NSi ₂ (999-97-3)	NO DATA	NO DATA	NO DATA	NO DATA	(PTFE Encapsulated 316 Stainless St.)	NO DATA	NO DATA	NO DATA	
Honey	NA	A to 70*	A to 140*	NO DATA	NO DATA	A	A to 70* AB @ 180*	A to 140*	A	
Hydrazine (Diamine)	H ₂ N ₂ (302-01-2)	A to 70*	A to 140*	NO DATA	A	A	NR 35-100% @ 70*	A to 70*	A	
Hydrobromic Acid (Hydrogen Bromide)	HBr (10035-10-6)	A@50% to 80* A@100% to 140* AB to 20% to 70*	NR	A to 37% to 100*	NR	(PTFE Encapsulated 316 Stainless St.)	A 20% to 225* A to 50% to 150* B Conc. to 185*	A to 20% to 160* A to 37% to 70* AB 50-100% at 70-150*	A dilute to 250* A to 37% to 70* A 38-100% at 70-150*	
Hydrochloric Acid (Muriatic Acid)	HCl (7647-01-0)	A to 40% to 140* NR 5-100% 175*	NR 1-100%	A to 10% to 200*	A to 212*	(PTFE Encapsulated 316 Stainless St.)	A to 100% to 70* A to 30% to 150* A to 10% to 185*	A to 100% to 140* A to 38% to 194* A to 50% to 175* AB 40-70% to 70*	A to 100% to 212*	
Hydrofluoric Acid (Hydrogen Fluoride) (HF)	HF (7664-39-3)	A to 100% to 70* A@90% to 125*	A to 10% AB@18% to 120* NR 45-80%	A to 50% to 140* A to 35% to 200* NR > 50%	NR 4-100% @ 70*	(PTFE Encapsulated 316 Stainless St.)	A to 50% to 140* A to 40% to 200* A to 30% to 225*	A to 60% to 140* A to 40% to 180* A to 30% to 160*	A to 100% to 212*	
Hydrogen Peroxide (Hydrogen Dioxide)	H ₂ O ₂ (7722-84-1)	A to 100% to 75* A to 50% to 200*	A to 30% to 104* A 50-100% to 70*	A to 10 to 200* AB to 30% to 100* NR 50-100% @ 70*	A to 212*	(PTFE Encapsulated 316 Stainless St.)	A to 80% to 70* A to 5% to 170* NR 30% > 125*	A to 30% to 140* AB at 30-90% to 120* NR 30% @ 125*	A to 200* A to 30% to 212*	
Iodine	I ₂ (7553-56-2)	A	A 9-10% to 72* NR > 10%	NR	BC @ 70*	(PTFE Encapsulated 316 Stainless St.)	A to 100% @ 75* AB to 100% @ 176* C @ 125*	A to 6.5% to 70*	A to 100% to 170* C 100% @ 212	
Isopropyl Acetate	C ₈ H ₁₆ O ₂ (108-21-4)	B @ 70*	A to 100% to 175*	NO DATA	NO DATA	A	AB to 100% @ 176* C @ 125*	A to 70*	A to 280*	
Isopropyl Alcohol (IPA) (Isopropanol)	(CH ₃) ₂ CH-OH (67-63-0)	A@100% to 212* A@47% to 356* A@11% to 70*	A to 100% to 140* A@100% to 212*	A to 200*	A to 75*	(PTFE Encapsulated 316 Stainless St.)	A to 225*	A to 160*	A to 150* AB to 158*	
KEROSENE	NA	A	A	AB to 200*	A to 70*	A	AB to 80* BC @ 122* NR @ 140*	CNR @ 70* NR @ 100*	A	
LACTIC ACID	C ₃ H ₅ O ₂ (50-21-5)	A to 85% to 125* B 65-100% to 212*	A to 75% to 120* A @ 100% to 120* B 25-75% 125-212*	A	A	A	A to 100% to 150*	A to 140*	A to 100% to 100* B 100% @ 120* AB to 80%	
LIMONENE (D-Limonene / DL-Limonene) (Orange Oil)	C ₁₀ H ₁₆ (138-86-3) (69-8927-5)	A to 70*	A to 140*	NO DATA	NO DATA	A	B @ 70* C @ 122*	B @ 70* C @ 122*	A to 260*	
METHOXYBUTANOL (3-Methoxy-1-Butanol)	C ₅ H ₁₂ O (2511-43-3)	NO DATA	NO DATA	NO DATA	NO DATA	A	NO DATA	NO DATA	NO DATA	
METHOXYETHANOL (Ethylene Glycol Monomethyl Ether)	C ₄ H ₁₀ O (109-96-4)	NO DATA	NO DATA	NO DATA	NO DATA	A	A to 122*	A to 122*	A to 122*	
Methyl Alcohol (Methanol) (Wood Alcohol)	CH ₃ OH (67-56-1)	A to 212*	A	A to 150*	A to 212*	(PTFE Encapsulated 316 Stainless St.)	A to 70* BC 100 @ 180*	A to 100% to 122* AB at 100% at 140* BNR at 100% at 150-180*	A to 148* AB 212-257*	
Methylene Chloride	CH ₂ CL ₂ (75-09-2)	A	A to 100% to 200* A to 90% to 212*	A 100% to 70*	A to 70*	(PTFE Encapsulated 316 Stainless St.)	NR	NR	AB to 100*	
Methyl Ethyl Ketone (MEK)	C ₆ H ₁₀ O (78-93-3)	A to 200*	A to 200*	A to 100% to 70*	A to 212*	A to 500*	AB to 100% to 70* AB at 100% at 125* AB at 100% at 122*	NR	NR	
MINICARE® Cold Sterilant (Hydr. Peroxide 24%, Peracetic acid 6%, Acetic acid 10%)	H ₂ O ₂ C ₂ H ₄ O ₂ C ₂ H ₃ O ₂	A	A	AB	A	A	A	A 100% to 70* C @ 120* NR @ 140*	AC (Embrittles over time)	
Motor Oil	NA	A to 70*	A to 140*	A to 200*	A	A	A	NR @ 70*	A	
N-Methyl 2-Pyrrolidone (NMP)	NMP CH ₃ N(CH ₂) ₂ CO (872-90-4)	NO DATA	NO DATA	A to 70*	A	(PTFE Encapsulated 316 Stainless St.)	A	NO DATA	CNR @ 70*	
Naptha (Coal Tar)	(8030-30-6)	A to 140* AB to 200*	A 100% A 96% to 170* A 60% to 70*	A	A	A	A to 140* C @ 180*	NR	A	
Naptha (Petroleum Solvent) (Hans Solvent)	(64742-94-5)	A to 140* AB to 200*	A 100% A 90% to 170* A 60% to 70*	A	A	A	AB @ 70 - 150* CNR @ 150 - 180*	BC @ 70* NR @ 120* NR @ 140	A	
Naphthalene (Coal Tar Distillate)	C ₁₀ H ₈ (91-20-3)	A to 130* B @ 180*	A	A	A	A	B @ 70* BC @ 70-140* NR @ 70*	B @ 70* (short duration) NR @ 70* (1 year)	A	
Nitric Acid (Hydrogen Nitrate)	HNO ₃ (7697-37-2)	A to 95% to 130* A to 50% to 140* AB@10% to 185*	A to 100% to 120* A to 60% to 175* A to 50% to boiling	A to 30% to 100* AB to 40% to 80* NR 50-100% @ 70*	A to 30% to 70* A to 10% to 212* NR 50% @ 70*	(PTFE Encapsulated 316 Stainless St.)	A to 50% to 104* A to 30% to 180* A to 10% to 210*	A to 30% to 140* A to 40% to 70* AB at 50% to 70*	A to 98% to 70* A to 30% to 140* A to 30% to 212*	
OIL, Corn	NA	A to 70*	A	A to 175*	A to 140*	A to 140*	BNR to 104*	AB to 70*	A	
OILS/LUBRICANTS, General	NA	A	A	AB to 70* NR @ 120*	AB to 70* (SEA) NR (Crude & Diester)	A to 70*	NR	NR	A	
OIL, Mineral	NA	A	A to 150*	A to 100* CNR @ 140-160	C @ 70* NR @ 100*	A	NR	A to 140*	A	
OIL, Olive	NA	A to 70*	A	A 100% to 176*	AB to 70*	A	B @ 70*	A to 150*	A	
OIL, Vegetable	NA	A	A	A to 140* AB @ 160*	AC @ 70*	A	AC	A to 70*	A	
Oxalic Acid (Ethanedioic Acid)	C ₂ H ₂ O ₄ (144-62-7)	A to 100% to 140* A to 50% to Boil B 60-90% to Boil	A to 50% to 100* A 20-50 to 125* B 60-90% @ 70*	A	A	(PTFE Encapsulated 316 Stainless St.)	A to 100% to 140* A to 50% to 180*	A to 100% to 160* AB to 100% to 180* NR at 100% at 212*	A to 100% to 125* A to 50% to 212* B @ 100% @ 158*	
Ozone (trioxygen)	O ₃ (10028-15-6)	A@2% to 140*	A to 70* A@2% to 140*	NO DATA	A to 212*	(PTFE Encapsulated 316 Stainless St.)	NR	AB weak conc. At 70* C safe in H ₂ O at 70* NR at 2-150% at 105*	A	
Peracetic Acid (Peroxyacetic Acid)	C ₂ H ₄ O ₄ (76-21-0)	A	A	A	A	A	AC 40% @ 70*	AC (Embrittles over time)	A to 40% to 70*	
Phenol (Carbolic Acid)	C ₆ H ₅ O (108-95-2)	A	A	A to 100* C @ 100% @ 200*	A Dilute to 70* NR 75-100% @ 70* Dissolves @ 75%	A	A to 104* AB to 130*	A to 5% to 70* AB 10-85% @ 70* NR 90-100% @ 70*	A to 100% to 158*	
Phosphoric Acid	H ₃ PO ₄ (7664-38-2)	A to 200* A to 50% to boiling	A to 40% to 240* A to 70% to 150*	A	A to 212*	(PTFE Encapsulated 316 Stainless St.)	A to 185* A to 75% to 225*	A to 100% to 140* A to 75% to 160* AB to 90% at 160-180*	A A 85% to 230*	
Phosphorus Trichloride (PIC)	CL ₃ P (7719-12-2)	A	A to 120*		A	A	BNR @ 70*	A to 100% to 150*	A	



CHEMICAL COMPATIBILITY TABLE



TWO

PTFE/PFA	COUPLING Material					SEAL Material				
	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton®)	EPDM	FFKM (Chemraz® / Smirz® / Kalrez®)	Buna	TPO (Santoprene)	Silicone
A	A at 96-100% to 70° B at 100% at 120-180°	AB to 70° (No stress)	A to 70% to 70° B at 100% at 70-120° NR at 100% at 120°	A to 90% to 70° AB at 96-100% to 70° B at 40-100% at 120°	A to 70°	A to 200°	A	A to 140° B to 185°	A to 70°	A
A	A to 100% to 120° AB to 140° B at 180°	A to 70° B @ 140°	A to 100% to 200°	A to 160°B to 200°	A to 250°	A to 212°	A	A to 212°		A
A	AB to 70°	NO DATA	A to 70° BC @ 120°	NR	NR (HFLUOR® OK)	A to 200°	A	C 70 - 150°	A to 70°	NR
A	B to 180°	A to 70° AB @ 120°	A to 100% to 200°	A to 70°	A to 176° B @ 212°	A to 176° AB to 200°	A	A to 140° AB to 200°	A to 70°	AB to 160°
A	A to 70° AB to 40% 140-180°	A to 40% to 70° AB 40% @ 120°	AB to 100% to 70°	A to 100° AB to 100% @ 120°	A to 176° A to 37% to 212°	A to 120° A to 37% to 212°	A to 104°	A to 40% to 140° B @ 40% @ 212°	AB to 70°	B 40-100% @ 70°
A	NR at 3-100% at 70°	A to 10% to 70° NR @ 70°	A to 10% to 70° A to 50-100% to 70° C 98-100% at 70-120°	A to 50% to 70° AB at 50-100% to 70° B at 3-50% at 120°	AB to 50% to 104° NR 50-100% @ 70°	A to 200° A to 90% to 212°	B	B to 50% at 70° NR 50-100% at 70° NR at 100% at 140°	A to 70°	B
A to 500°	A to 70°	NR	A to 70°	C at 70°	AB to 200°	NR at 70°	A to 70°	A to 250°	CNR	NR at 70°
A to 450°	A to 140°	AB @ 70-140°	A at 100% to 200°	A to 125°	A to 250°	A to 176° AB to 200°	A to 70°	A to 250°	A to 70°	A to 70°
A	A to 70°	NR	A at 100% to 200°	A to 158° NR at 60-120°	A to 200°	NR	A	A to 70°	AC @ 70°	A
A	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	A	NO DATA	NO DATA	A
A	A to 70°	B @ 70°	NO DATA	A to 70°	A to 140°	A to 140°	NO DATA	A to 140°	A to 70°	A to 70°
A	B @ 70°	NO DATA	NR	NR	A Aqueous to 70° NR	A to 100% @ 70°	B A 64% to 70°	AB 34% @ 70° BC 64 - 100% @ 70% B Anthydruse	A to 70°	B to 100% 70-200°
A	NR	NR 20% @ 70°	A to 20% to 300° B at 30% at 70°	NR at 30-100% at 70°	A to 140°	A to 200°	A	NR	B 30-100% @ 70°	A
A	A to 10% to 70° NR at 30-100% at 70°	AB 10-50% to 70° BC 50-100% @ 70° NR 50-100% @ 150°	A to 100% to 70° A to 30% to 140° A to 37% to 200°	A to 10% to 200° AB at 20% at 70-200°	A to 100% to 70° A to 37% to 160°	A to 25% to 140° AB to 37% to 130° A to 10% to 176°	A	AB 20-37% to 70° AB to 15% to 150° C 37% @ 150°	A to 70° AB to 37% to 150° C 37% @ 150°	A
A	NR at 70°		A to 10% to 200° AB 25-38% at 70-200°	A to 10% to 180° AB at 20% to 70° BC at 35% at 70°	A to 60% to 130° A to 50% to 176° A to 30% to 212°	A dilute to 212° AB to 60% to 130° AB to 65% to 176°	A	AB 10% to 70° C 20-25% to 70° NR 50-100% @ 70°	C 20-25% @ 70° NR 50-100% @ 70°	A
A	NR at 4-100% at 70°	A to 10% to 70° NR 100% @ 70°	A to 10% to 70° A to 90% to 120° B at 30% at 180°	A to 100% to 125°	A to 104° A 50% to 200° AB @ 100% @ 160°	B 5% to 140° B 3-30% @ 70°	A (White 571 & 592) AB (Black 550)	B 3% to 70° BC 10% to 80°	A to 100% to 70°	A to 90% to 70° B @ 100% @ 70°
A	A to 70° CNR at 100% at 70°	NO DATA	NR	NR	A to 100% to 140°	AB to 160°	A	A 6.5% to 70° B to 140°	A to 70°	A
A	ANR @ 70°	NR @ 70°	CNR @ 70°	NR	NR	AB to 160°	A	NR	B @ 70°	NR
A	A to 70°	A to 70° (No stress)	A to 122° AB at 185°	A to 125°	A to 170° B @ 212°	A to 160° B @ 176°	A	A to 70° B any conc to 130°	A to 70°	A
A	A to 180°	BC @ 70°	AB to 200°	A to 70° AC @ 122°	A to 158°	NR	A	A	NR	NR
A	AC to 100% to 70-140°	NR	A to 100% to 200° A to 50% to 300°	A to 100% to 70° AB to 100% @ 122-200°	A to 100% to 140° A to 80% to 176°	A to 100% to 140° A to 80% to 176°	A	A to 100% to 70° B 25-80% @ 104° C 25-80% @ 104°	A to 70°	A to 70° B 140 - 200°
A to 122°	NR @ 70°	NO DATA	C @ 70 - 122°	C @ 70 - 122°	A to 140°	NO DATA	NO DATA	A to 140°	C @ 70°	NR @ 70°
A	NO DATA	NO DATA	NO DATA	NO DATA	A to 70°	AB @ 70°	A	A to 70°	NO DATA	NO DATA
A	NO DATA	NO DATA	NR	NR	BC @ 70° NR (Dynamic) A (HFLUOR)	A to 70°	A	BC @ 70° NR (Dynamic)	NO DATA	AB to 70° C (Dynamic)
A	A to 140° B at 180°	NR	A at 100% to 70° C at 100% at 120° NR at 100% at 200°	AB at 50% to 70° B at 70° C at 122°	NR	A to 160° AB to 176°	A	A to 70° AB any conc to 150°	A to 70°	A
A	A to 70°	NR	NR at 100% at 70°	NR at 70°	B @ 70°	BC to 130°	A	NR at 70°	NR at 70°	A
A to 500°	A to 70° AB at 70-180°	NR	NR at 40-100% at 70°	NR at 100% at 70°	NR at 70°	A to 140° AB to 240°	A to 70°	NR any conc at 70°	BC @ 70°	NR at 70°
A	NR	B	A	A	B	B	A	B	A	A
A	A to 160°	B @ 70°	A to 200°	A to 200°	A to 190°	NR	A	A to 190°	AB to 70°	AB to 70°
A	NO DATA	NO DATA	NR at 70°	NO DATA	AB @ 70° A (HFLUOR)	A to 70°	A	NO DATA	NO DATA	A
A	A to 70°	NR	B @ 70°	NO DATA	A	NR	A	AB to 250°	CNR @ 70°	NR
A	A to 70°	BNR @ 70°	AB to 140°	A to 70°	A	NR	A	AB to 250°	CNR @ 70°	NR
A	A to 70° AB @ 140°	NR	C @ 70°	NO DATA	A to 176°	NR	A	NR	BC @ 70°	NR
A	NR	B 5-20% @ 70° NR @ 50°	A to 5% to 140° A to 40% to 70° B at 10% at 140°	A to 20% to 70° AB at 20-50% to 70° B to 10% at 120°	A 50% to 140° A 90-100% to 158° AC 60-70% to 70°	A to 25% to 70° A to 10% to 104° B 25-30% to 140°	A	NR 0-100% at 70°	A to 15% to 70° B 20% @ 70° C 50-70% @ 70°	A
A	AB to 70°	A to 70°	A to 70°	A to 150°	A to 140°	NR	A	AB any conc to 150°	A to 212°	A to 70°
A	A to 158°	B @ 70°	A	A to 70°	A to 158°	NR	A	A	NR	NR
A	A to 140°	A to 70°	A to 200°	A to 70° B @ 120°-200°	A to 70°	NR	A	A	BNR @ 70°	B @ 70°
A	A to 150°	A to 70°	A to 73°	A to 150°	A to 176°	B @ 70°	A to 70°	A	B @ 70°	NR
		C @ 70°			A to 200°	AC to 200°	A	A to 200°	BC @ 70°	A to 70°
A	C at 5% at 70-150° C at 10% at 70°	A to 70°	A to 100% to 70° AB at 5% to 180°	A to 10% to 70° B at 70°	A to 100% to 140° A to 50% to 176°	A	A	AB to 100% to 140° NR 10% boiling	A to 70°	A
A	NR	B @ 70°	A to 122°	AB 10 ppm in H2O at 70° NR 1-100% at 70°	A to sat. to 70° NR sat. @ 140°	A to sat. to 70° NR sat. @ 140°	A (White 571 & 592) AB (Black 550)	NR 2% to sat'd at 70°	A to 70°	A (White 571 & 592) AB (Black 550)
A	NR	NO DATA	NO DATA	NR	A to 10% @ 70° C @ 100% @ 70° A (HFLUOR)	A 1 & 100% @ 70° B 10% @ 70°	A to 1% @ 70° A (HFLUOR)	C 100% @ 70° NR 1-10% @ 70°	NO DATA	B 100% @ 70° NR 1-10% @ 70°
A	NR	NR	A to 5% to 70° NR 100% @ 70°	A to 5% @ 70°	A to 140°	NR 5 - 100%	A	NR	ANR @ 70°	NR
A	C at 0.3-10% at 70° NR at 10-100% at 70°	AB to 40% to 70° B 40% @ 70° C 50-100% @ 70°	A to 100% to 200° A to 85% to 250° NR at 85% at 300°	A to 100% to 70° A to 25% to 158° B at 85% at 120°	A to 140° A to 85% to 176° A 75% to 212°	A to 130° A to 85% to 176° B to 30% to 212°	A	A to 10% to 104° AB to 50% to 104° AB 30% to 104°	A to 45% @ 70° B 45 @ 70° C 50-100% @ 70°	A
A	AB to 180°	NR	NO DATA	NR	A to 70°	A to 70°	A	NR	NO DATA	NO DATA



CHEMICAL COMPATIBILITY TABLE



TWO

CHEMICAL	SPRING Materials						COUPLING Materials			
	Name	Formula (CAS #)	Hastelloy C (276)	316 SS	PPS	Peek™	Teflon® Encapsulated 316 SS	Polypropylene	HDPE	PVDF
3:1 Mixture of Concentrated Sulfuric Acid & 30% Hydrogen Peroxide	NA	A	NR	AB	NR	A	A to 90% to 104*	A to 75% to 70* BC 96-98% @ 70-120*	A to 98% to 120*	
Plating Solution, General	NA	A to 70*	A to 140*	A to 70*	NO DATA	A	A	A to 140*	A	
Plating Solution, Cadmium	NA	A to 90*, Cyanide A/NR @ 100*, Fluob.	A to 140*	A to 70*	NO DATA	A	A	A	A	
Plating Solution, Chrome	NA	A to 130*, Fluoride NR @ 90*, Barrel NR @ 115*, Black	A to 70* NR @ 95*, Barrel	A to 70*	NO DATA	A	AC to 70* C @ 95* (Barrel)	A	A	
Plating Solution, Copper	NA	A to 120*	A to 70* Barrel A to 120*, Copper A to 120*, Cyanide	A to 70*	NO DATA	A	A	A	A	
Plating Solution, Nickel	NA	A to 140	A to 70* A, Cyanide C @ 70*, Sulfamate	A to 70*	NO DATA	A	A	A	A	
Plating Solution, Tin	NA	A to 125*	A to 70* C 100-125*, Fluoroborate	A to 70*	NO DATA	A	A	A to 180*	A	
Plating Solution, Zinc	NA	A to 70*, Alk-Cyanide A top 150*, Cyanide NR @ 140*, Chloride	A to 70*, Cyanide A to 70*, Fluoroborate NR Acid	A to 70*	NO DATA	A	A	A to 150*	A	
Potassium Carbonate (Carbonic Acid) (Potash)	CK ₂ O ₃ (584-86-7)	A to 90% to 212* AB @ 100% to 140*	A to 17% to 240* AB 20- 100% to boil	A to 100% to 200*	A to 60-100% to 70*	A to 100% to 500*	A to 225*	A to 160* AB at 180*	A to 100% to 275* AB to 100% at 285*	
Potassium Chlorate (Chloric Acid) (Potassium Salt)	CKLO ₃ (3811-04-9)	B 33-60% 125-212* B to 60% @ 212* AB @ 100%	A	A	A	A	A to 100% to 180*	A to 100% to 160*	A	
Potassium Chloride (Salt Substitute)	CLK (7447-40-7)	A to 10% A 10-30% to 125* AB @ 100%	A to 32% to 180* AB 40-100% to 150*	A	A	A	A to 100% to 180*	A to 100% to 160*	A	
Potassium Hydroxide (Caustic Potash)	KOH (1310-58-3)	A to 50% to 200* AB @ 100% to 185*	A to 100% to 70* A to 70% to 150*	A to 200*	A to 212*	(PTFE Encapsulated 316 Stainless St.)	A A to 70% to 185*	A to 100% to 160* AB to 100% at 180*	A to 25% to 140* A to 10% to 280* A 60-100% to 212*	
Potassium Permanganate	KMNO ₄ (7724-64-7)	A to 50% to 75* AB @ 100% to 200* B to 30% 75-212*	A to 25% to 70* AB to 100% to 100* AG @ 100% to 130*	A to 200*	A to 75*	(PTFE Encapsulated 316 Stainless St.)	A to 100% to 70* A to 25% to 140* A to 10% to 180*	A to 100% to 160* AB at 20% to 180*	A	
Propanol (Propyl Alcohol) (Rubbing Alcohol)	C ₃ H ₇ O (67-63-4)	A to 200*	A	A	A	A	A to 140*	A to 150*	A to 100% to 150*	
Propionic Acid (Propanoic Acid)	C ₃ H ₅ O ₂ (79-09-4)	A	A	NO DATA	A to 212*	A	A to 100% to 70*	AB to 70* C @ 122*	A to 100% to 280*	
Propylene Glycol (PG-12)	C ₃ H ₈ O ₂ (57-55-6)	B @ 100% @ 70*	A to 30% A 80-90-90% AG 90%	A to 70*	NO DATA	A	AB to 160*	A to 140* AB at 180*	A to 275* AB at 280*	
PGMEA (Propylene Glycol Monomethyl Ether Acetate)	C ₆ H ₁₂ O ₂ (108-65-6)	A	A	A	B	A	A to 140*	A	AB	
PGME (Propylene Glycol Monomethyl Ether) (Dowtherm 299 / Dowanol PM)	C ₆ H ₁₄ O ₂ (107-98-2)	A	A	A	B	A	A to 140* AB to 150*	A	AB	
Propylene Oxide	C ₃ H ₆ O (75-56-9)	A to 70*	A to 140*	NO DATA	NO DATA	A	A to 70* AB @ 125*	A to 122* AB @ 140*	NR @ 100% @ 70*	
Pyridine (Azine)	C ₅ H ₅ N (110-86-1)	A to 100% to 100* AG @ 100% to 140*	A to 100% to 212*	A to 200*	A to 212*	(PTFE Encapsulated 316 Stainless St.)	A to 100% to 75* AB 100% 120-180* NR 100% @ 120*	BC at 70* C at 140*	NR	
Sodium Bicarbonate (Baking Soda)	CHNAO ₃ (144-55-8)	A to 100% to 150* AB to 20% to boiling	A to 100% to 150* A to 20% to 212*	A to 100% to 300*	A to 250*	A to 100% to 500*	A to 225*	A to 160* AB at 180*	A to 100% to 275* AB to 100% at 285*	
Sodium Carbonate (Soda Ash)	CNa ₂ O ₃ (497-19-8)	A to 100% to 212*	A to 100% to 212*	A to 100% to 300*	A to 100% to 212*	A to 100% to 500*	A to 100% to 225*	A to 100% to 160* AB to 100% at 180*	A to 100% to 275* AB to 100% at 285*	
Sodium Chloride (Salt)	CNa (7647-14-5)	A to 100% to 176*	A to 16% to 212* A 25- 80% to 160* AG @ 100% to 212*	A	A	A	A	A to 100% to 160*	A	
Sodium Chlorite (Sodium Salt)	CNaO ₂ (7739-19-2)	NO DATA	NO DATA	AB	A	A	A to 100% to 70* A to 50% 100* AB to 100% @ 200*	A to 140*	A	
Sodium Hydroxide (Caustic Soda)	NaOH (1310-73-2)	A to 100% to 70* A to 50% to 200* AB 50-80% to 170*	A to 20% AB 20- 70% to 212* AB 70-100% to 125*	A to 100% to 70* A to 50% to 140* A to 20% to 200*	A to 100% to 70* A to 100% to 392*	(PTFE Encapsulated 316 Stainless St.)	A to 125* A to 70% to 225*	A to 100% to 140* A to 70% to 160* AB to 100% at 180*	A to 50% to 70* A to 20% to 150* A to 15% to 176*	
Sodium Hypochlorite (Bleach)	CLNaO (7881-52-9) (10022-70-5)	A to 50% to 115* A to 20% to 140* AB @ 100% to 200	Generally NR A to 6% to 160* A sat'd to 200*	BC 5% to 200*	AB to 100%	(PTFE Encapsulated 316 Stainless St.)	A to 100% to 70* A to 5% to 120* C 12-13% to 70*, NR @ 104*	A to 100% to 160* AB to 100% at 180*	A to 17% AB to 100%	
Sodium Silicate (Waterglass) (Silicic Acid)	Na ₂ O ₂ Si (1344-09-8)	A to 140*	A to 212*	A	A	A	A to 180*	A to 150*	A	
Sodium Sulfite (Disodium Sulfite) (Sulfurous Acid)	Na ₂ O ₃ S (7757-83-7)	A 20-100% to 130* A to 5% to 100* B to 30% to 212*	A to 100% to 70* AB to 30% @ 175*	A to 70*	A	A	A	A to 140*	A	
Sodium Tripolyphosphate	Na ₅ O ₇ P ₃ (7759-29-4)	NO DATA	A to 100% to 120* A 16-50% to 175*	NO DATA	A	A	A to 175*	A to 140*	A	
Soybean Oil	No Formula	A	A	A	A	A	A	A	A	
STERIS® CIP 100 (Potassium Hydroxide & Tetrasodium EDTA)	Alkaline Cleaner KOH & C ₄ H ₁₀ N ₂ Na ₆ O ₈	A to 200*	A to 150*	A to 212*	A	A	A	NO DATA	A to 140*	
STERIS® CIP 200 (Phosphoric Acid & Citric Acid)	Acid Cleaner H ₃ PO ₄ C ₆ H ₈ O ₇	A to 200*	A to 150*	A to 220*	A	A	A	A	A	
Sulfuric Acid (Air-free) (Better when aerated)	H ₂ SO ₄ (7664-93-9)	A to 80% to 70* A 90-100% to 100* (A to 100% to 140*)	NR 10-100% @ 70* B 100% to 125* (Sensitive to concen.)	A 10-75% to 70* AB to 98% to 220*	A to 40% to 212* NR > 40%	A (Encaps. 316ss)	A to 10% to 212* A to 50% to 176* A to 90% to 104*	A to 75% to 70* A to 50% to 140* A to 50% to 160*	A to 90% to 212* A to 65% to 175* A to 98% to 120*	
Tetrachloroethylene (PERC/PERK)	C ₂ Cl ₄ (127-18-4)	A	A	AB @ 100%	A	A	NR 100% @ 70* B Low Conc. @ 70*	NR 100% @ 70* B 10% @ 70*	A to 100% to 176*	
Tetrahydrofuran (Tetraethylene Oxide) (THF)	C ₄ H ₈ O (109-99-9)	A to 200*	A to 200*	A 100% to 140* C 100% @ 200*	A to 70*	(PTFE Encapsulated 316 Stainless St.)	BC @ 70* CNR @ 100-120* NR @ 140*	NR at 70*	C 10-100% @ 70* NR @ 120*	
Tetra Methyl Ammonium Hydroxide (TMAH)	C ₄ H ₁₀ NO (75-59-2)	NO DATA	NO DATA	NO DATA	NO DATA	A to 100% to 500*	A to 150*	NO DATA	A to 100% to 200* A to 50% to 215*	
Thionyl Chloride (Sulfinyl Chloride) (Sulfurous Chloride)	CL ₂ OS (7719-09-7)	NO DATA	NR	NO DATA	A to 70*	A	BNR 10- 100% @ 70*	NR	NR	
Toluene (Toluol)	C ₇ H ₈ (108-98-3)	A to 212*	AG @ 100% to 212*	A to 100*	A to 75*	(PTFE Encapsulated 316 Stainless St.)	NR	AB to 70* CNR at 70* NR at 140*	A to 140* AB @ 176* BC 176-212*	
Trichloroacetic Acid (TCA)	C ₂ HCl ₃ O ₂ (79-03-9)	AG @ 100% to boiling AB to 100% to boil.	NR	A to 200*	A to 68* (Fluoreware)	(PTFE Encapsulated 316 Stainless St.)	A to 140* AC @ 150*	A to 100% to 140* AC at 70-150*	A to 75* A to 65% to 212* AB 104-125*	
Trichloroethylene (Ethylene Trichloride) (Triad)	C ₂ HCl ₃ (79-01-4)	B @ 90% to 212* AG @ 100% to 212*	AG @ 90% to 212* AG @ 100 to 140*	AC 70-100* NR @ 200*	A to 212*	(PTFE Encapsulated 316 Stainless St.)	NR	B at 70* C at 122* NR at 212*	A to 189* (backlens)	
Triethylamine	C ₆ H ₁₅ N (121-44-3)	NO DATA	A	NO DATA	NO DATA	A	NR	AB to 70* C @ 100*	A to 70* (Turns Brown)	
Triethanolamine (TEA)	C ₆ H ₁₅ NO ₃ (102-71-6)	A 100 to 200*	AB to 100% to 75* A 1% & 100% to 200*	A 100% to 200*	A to 70*	A	AB @ 100% 70-185*	AB to 70% NR @ 120*	AB to 100% to 125*	
Trimethylbenzene (Pseudocumene)	C ₉ H ₁₂ (95-63-6)	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	
UREA (AdBlue, AUS32, Aqueous Urea Sol. 32.5%) (DEF, Diesel Exhaust Fluid, Blue Tec)	CH ₄ N ₂ O (57-15-6)	A to 130* AB to 200*	A to 200*	A to 200*	A to 212*	A	A to 100% to 180*	A	A to 100% to 250*	
Xylene (Xylo)	C ₈ H ₁₀ (1330-20-7)	A	A 75-100% AG @ 50% to 220*	A to 200*	A to 70*	(PTFE Encapsulated 316 Stainless St.)	C @ 70-140* NR @ 150*	NR at 70*	A to 175* A to 100% to 175*	



CHEMICAL COMPATIBILITY TABLE



Two

COUPLING Material					SEAL Material					
PTFE/PFA	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton®)	EPDM	FFKM (Chemraz® / Simriz® / Kalrez®)	Buna	TPO (Santoprene)	Silicone
A	NR	NR	NR	NR	A	NR	A	NR	A	NR
A	A to 100°	NO DATA	NO DATA	NO DATA	A to 70°	A to 70°	A	A to 70°	A to 70°	NR
A	A to 90, Cyanide C @ 100°, Fluoborate	NO DATA	NO DATA	NO DATA	A to 140°	A to 70°	A	A to 140°	NO DATA	NR
A	BNR @ 70°	CNR @ 70°	NO DATA	A to 70°	A to 140°	A to 70°	A	NR	NO DATA	NR
A	NR, Electroless A to 120°, Strike A to 70°/Sulfate	NO DATA	NO DATA	NO DATA	A to 200°	A to 140°	A	A to 140°	NO DATA	NR
A	NO DATA	NO DATA	NO DATA	NO DATA	A to 70°	A to 140°	A	A to 140° NR @ 70°, Electroless	NO DATA	NR
A	NO DATA	NO DATA	NO DATA	NO DATA	A to 140°	A to 104° B @ 140°	A	AB to 140°	NO DATA	NO DATA
A	NO DATA	NO DATA	NO DATA	NO DATA	A to 140°	A to 70°	A	A to 140°	NO DATA	NO DATA
A to 100% to 500°	A to 60-100% to 180°	A to 70°	A to 200°	A at 5% to 70° NR at 70°	A to 212°	A to 176° AB to 200°	A aqueous sol'n to 70°	A to 200° A to 180°	A to 70°	AC to 70°
A	A to 10% to 70° AB to 100% to 180°	NR	A to 100% to 200°	A to 70°	A to 140° AB to 200°	A to 130° AB to 140-200°	A	A to 70° AC to 130°	A to 70°	AB to 125° C @ 70°, (dynamic)
A	A to 100% to 140° AB to 100% @ 180°	A to 100% to 70°	A to 100% to 200°	A to 100% to 120°	A to 212°	A to 176° B @ 212°	A	A to 176° B @ 212°	A to 70°	A to 100% to 200°
A	B to 100% to 180°	A to 30% to 70° AB to 100% to 70°	A to 100% to 200°	C at 1% to 70° NR at 1% at 125° NR at 5-100% at 70°	AB to 70° AB to 70% to 140° A 5% to 150°	A to 200° B 25% @ 212	A (Black 550) AB (White 571 & 592)	A to 5% to 150° AB to 100°	A to 70°	A (Black 550) AB (White 571 & 592)
A	A to 10% to 140° NR conc-100% at 70°	B @ 70°	A to 200°	A to 100% to 200°	A to 140°	A to 200°	A	AC to 150°	A to 70°	A
A	A to 70°	NO DATA	AB to 185°	A to 125°	A to 212°	A to 200°	A	A	A to 120°	A to 200°
A	NR	NR	B @ 70-122°	A to 20% to 70° NR 100% @ 70°	50% to 100° NR 100% @ 70°	A to 100% to 200°	A	AC Sol 70-200° NR 50% @ 70°	A to 70°	B @ 70° C @ 70°, dynamic
A to 500°	A to 70°	A to 70°	B at 70-122°	BC at 70° CNR at 122°	A to 140°	A to 70°	A to 70°	A to 250°	AB to 70°	A to 70°
A	A to 70° AB to 140°	A to 70°	NO DATA	NO DATA	NR	A 50% to 70°	A	NO DATA	AB to 70°	A
A	A to 70° AB to 140°	A to 70°	NO DATA	NO DATA	NR	A 50% to 70°	A	NO DATA	AB to 70°	A
A	NO DATA	NO DATA	B @ 70-122°	NR	NR	B to 120°	A	NR	A to 120°	NR
A	AB to 70°	NO DATA	AB to 50% to 70° NR at 70°	NR at 70°	NR	B to 160°	A	NR at 70°	AC 70-120°	A
A to 100% to 500°	A to 200°	A to 100% to 70°	A to 100% to 70°	A to 100% to 200°	A to 212°	A to 176° B at 212°	A to 70°	A to 140° AB to 200°	A to 70°	A to 70°
A to 100% to 500°	A to 100% to 140° A to 20% to 180°	AB to 100% to 70°	A to 100% to 200°	A to 100% to 200°	A to 212°	A to 176° B at 212°	A to 70°	A to 100% to 160° AB to 100% to 200°	A to 70°	A to 70°
A	A to 100% to 70° AB to 100% 150-180°	A to 100% to 70°	A to 100% to 200°	A to 100% to 120°	A to 100% to 212°	A to 100% to 176°	A to 70°	A to 160°	A to 100% to 120°	NO DATA
A	NO DATA	NO DATA	A to 70°	NO DATA	A to 70°	A to 70°	A	NR	A to 70°	B @ 70° C (Dynamic)
A	A to 60% to 180° AB at 60-80% to 180° BC at 80-100% at 70°	A to 25% to 70° AB to 100% to 70° B 10-50% @ 70-180°	A to 50% to 120° A to 20% to 200° AB to 50% to 250°	A to 20% to 120° A to 15% to 200° C at 25% to 70-120°	B to 70° B 80% @ 140°	A to 70° A to 50% to 176° B 20% @ 212°	A (Black 550) AB (White 571 & 592)	A to 20% to 212° A to 50% to 176°	A to 100% to 70°	A (Black 550) AB (White 571 & 592)
A	NR at 10-100% at 70°	BC to 10% to 70° C @ 5% @ 70° NR @ 70°	A to 100% to 200° A to 17% to 300°	A to 10% to 70° AB to 100% to 70° C at 15% at 125-150°	A to 100% to 130° BC 20% @ 158°	AB 20-100% to 130	A	NR	A to 20% to 70°	A
A	AB to 70°	NO DATA	A to 200°	NO DATA	A to 212°	A to 176°	A	A to 140°	A to 70°	A to 70°
A	A to 70° A to 10% to 150°	AB to 70°	A Solution to 70°	ANR @ 70°	A to 100% to 140°	A to 100% to 140° AB to 100% to 200°	A	A to 100% to 70° AB to 100% to 200°	A to 70°	A to 100% to 70°
A	NO DATA	NO DATA	A to 70°	NO DATA	AB to 70°	AB to 70°	A	A to 70°	NO DATA	C
A	A	NO DATA	NO DATA	A	A	NR	A	A	B @ 70°	A
A	NO DATA	A to 30% to 70° AB to 100% to 70°	NO DATA	NO DATA	AB to 140°	A to 200°	A (Black 550) AB (White 571 & 592)	NO DATA	A	A (Black 550) AB (White 571 & 592)
A	C	B	A	B	A	A to 176°	A	AB to 104°	A to 70°	A
A to 50% (Boiling)	A to 3% to 70° NR at 10-100% at 70° NR at 30% at 70°	A to 25% to 70° B 30% 70-100° NR 80-100% @ 70°	A to 65% to 200° A to 35% to 300° AB at 35% to 210°	A to 50% to 70° A to 10% to 180° AB 20-30% at 122-200°	A to 158° A to 70% to 176° A to 50% to 212°	A to 90% to 70° A to 80% to 140° A to 10% to 176°	A	A to 60% to 140° A to 50% to 70° A to 30% to 140°	A to 95% to 70° BC 95-98% @ 70° NR 95-100% @ 70°	A
A	A to 70° AB 70°-140°	NR	NR	NR	A	NR	A	NR @ 70°	NR	NR
A	A to 70°	NR	NR at 200°	NR at 70°	NR	NR	A	NR at 70°	B @ 70°	A
A to 100% to 500°	NO DATA	NO DATA	NO DATA	NO DATA	NR (Type A) A (HFLUOR)	A to 70°	A	NR	NO DATA	B @ 70°
A	AC at 70°	NO DATA	NR at 70°	NR at 70°	AB to 70°	NR	A	NR at 70°	B @ 70°	A
A	A to 70° AB at 140° C at 180°	NR	NR at 70°	NR at 70°	A to 100° BC to 200°	NR	A	NR 30-100% at 70°	NR	A
A	NR at 70°	NO DATA	B at 70-122°	A to 20% to 70° CNR 100% at 70° NR at 100% at 122°	NR	B at 70°	A	NR at 70°	BC @ 70°	A
A	AB at 70-180°	NR	NR at 70°	NR at 70°	NR	B	A	NR at 70°	NR	A
A	A to 70°	NO DATA	NO DATA	NO DATA	NR	A	A	A to 140°	B @ 70°	NO DATA
A	NR	AB to 70°	NR	NO DATA	NR	A to 160°	A	B to 100°	A to 70°	NR
NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	A to 70°	NR	A	B @ 70° C @ 70° (dynamic)	NO DATA	NO DATA
A	A to 100% to 70°	B @ 70°	C @ 70°	NR	A to 70° AB to 200°	A to 70° AB to 200°	A	AB to 150°	NO DATA	AB to 70°
A	A to 140° AB at 180°	NR	NR at 100% at 70°	NR at 70°	A to 140°	NR	A	NR at 70°	NO DATA	NR @ 70°