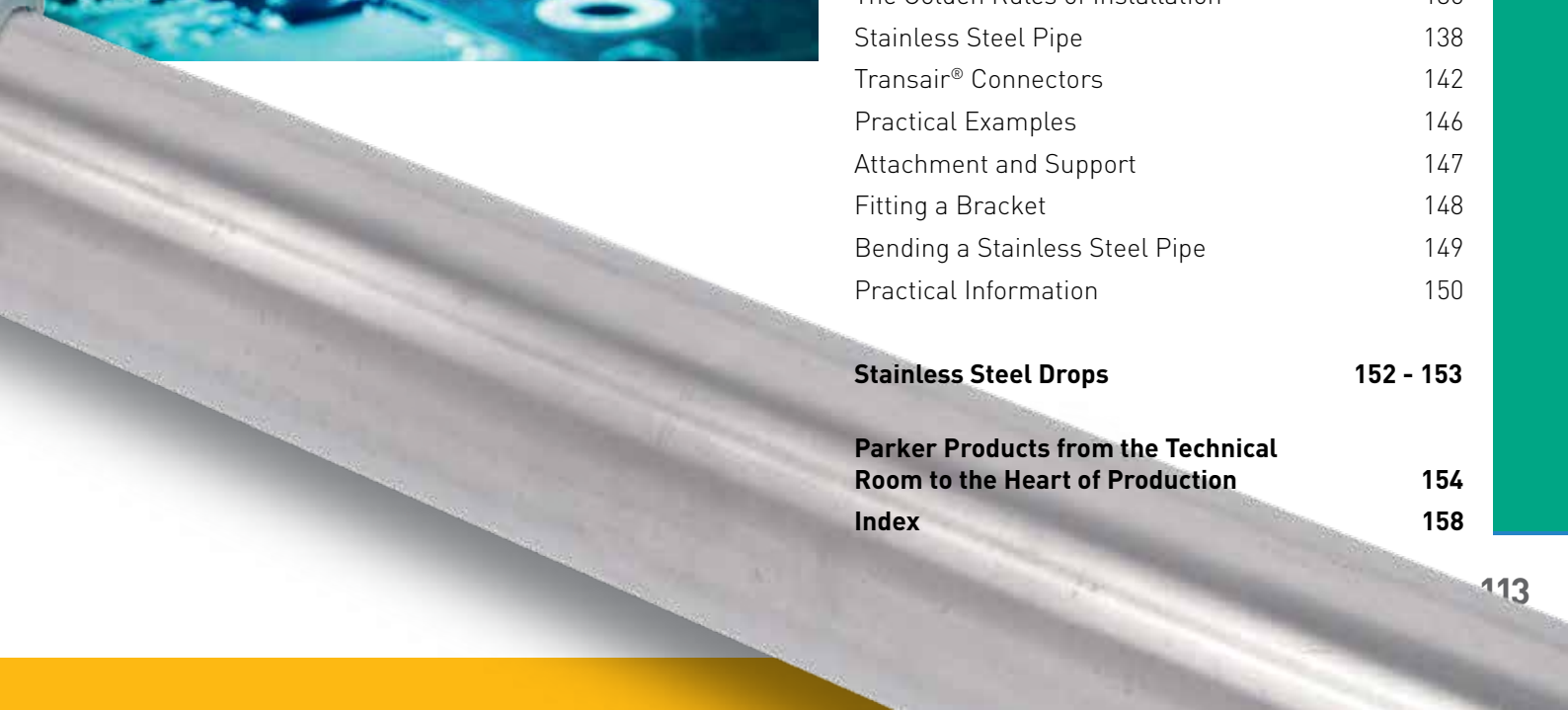
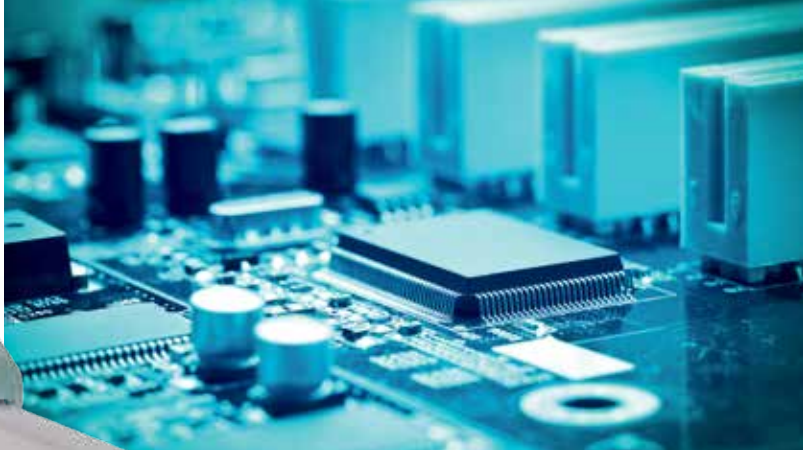




TRANSAIR® STAINLESS STEEL RANGE

FOR INDUSTRIAL WATER AND OIL,
COMPRESSED AIR, VACUUM
AND INERT GAS



Technical Information	114 to 119
Technical Specifications	114
Chemical Compatibility	115
Sizing a Network	116
Transair® Standards and Certifications	117
Material Stainless Steel Range	118
Transair® Connection Technologies	119

Product Range	121 to 133
Stainless Steel Pipe	122
Pipe-to-Pipe & Stud Connectors	124
Quick Assembly Bracket and Wall Brackets	129
Ball Valves & Butterfly Valves	130
Tools	132
Fixtures & Accessories	133

Installation Guide	135 to 151
The Golden Rules of Installation	136
Stainless Steel Pipe	138
Transair® Connectors	142
Practical Examples	146
Attachment and Support	147
Fitting a Bracket	148
Bending a Stainless Steel Pipe	149
Practical Information	150

Stainless Steel Drops	152 - 153
------------------------------	------------------

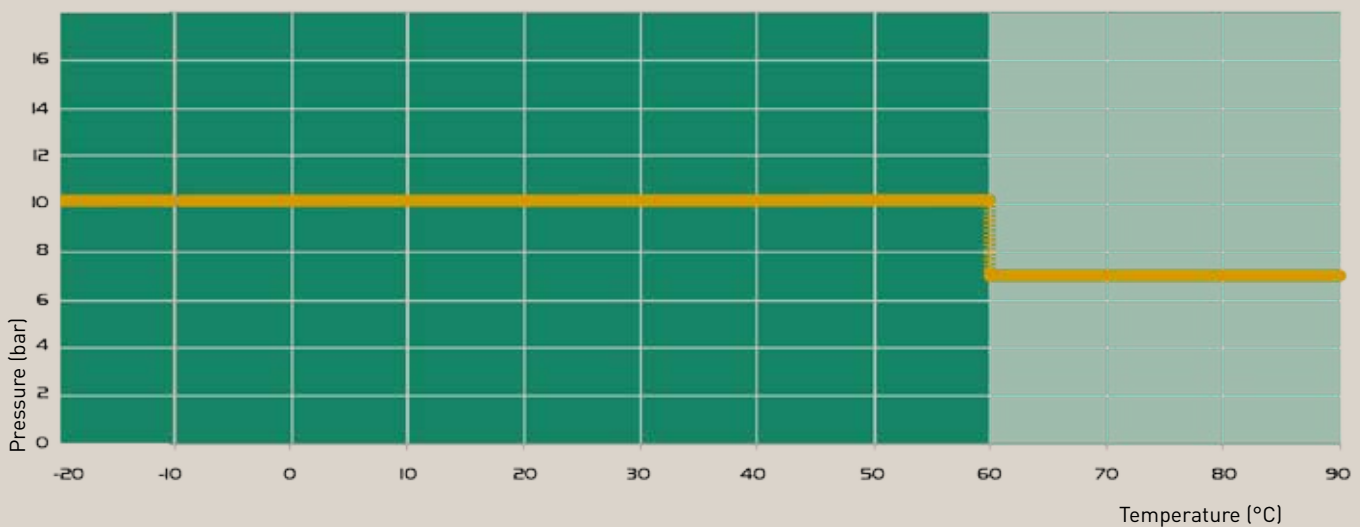
Parker Products from the Technical Room to the Heart of Production	154
Index	158

TECHNICAL SPECIFICATIONS

Fluids

- Industrial water
- System compatible with additives (glycol or inhibitors) which prevent the formation of algae or fungus (list available upon request)
- Lubricating oils
- Compressed air (dry, wet, lubricated)
- Vacuum
- Inert gases (argon, nitrogen)
- Others: please consult us

Maximum Working Pressure According to the Temperature



Working Pressure

- 10 bar from -20°C to +60°C
- 7 bar from -20°C to +90°C

Expansion Coefficient

- Expansion coefficient of Transair® stainless steel pipe: 0.016 mm per metre per degree celcius

Resistance

- to corrosion
- to aggressive environments
- to mechanical shocks
- to thermal variations
- to U.V.

Environment and Sustainable Development

Transair® materials are 100 % recyclable.

Water Hammer

- Ø22, Ø28: comply with standard BS, 7291 part 1
- Ø42, Ø60, Ø76, Ø100: comply with standard NF T54-091

CHEMICAL COMPATIBILITY

1 **Compatible**
 2 **Compatible (except for diameters 22-28 mm in bronze)**
 3 **Do not use**

CHEMICAL PRODUCT	SYMBOL	SEAL SELECTION		CHEMICAL PRODUCT	SYMBOL	SEAL SELECTION	
		EPDM	FKM			EPDM	FKM
• Acetaldehyde, Aldehyd acid	C2H4O	2	3	• Methanol, methyl alcohol (MKB, MEK, MIBK)		1	3
• Acetic acid (10%, 20°C)	CH3COOH	2	3	• Methyl Alcohol	CH4O	1	3
• Acetic acid (50%, 20°C)	CH3COOH	3	3	• Mineral oil		3	1
• Acetone, Propan-2-one, Dimethyl cetone	C3H6O	1	3	• Motor oil		3	1
• Air (dry)		1	1	• MPG, mono propylen glycol	C3H8O2	2	2
• Air (lubricated)		3	1	• Naphta		3	1
• Ammonia liquid	NH3 + H2O	2	3	• Nitric acid	HNO3	3	3
• Ammonium hydroxide	NH4OH	3	3	• Nitrogen (gas)	N	1	1
• Ammonium nitrate		2	2	• Oil ASTM n°1		3	1
• Ammonium phosphate		3	2	• Oil ASTM n°2		3	1
• Argon (gas)	Ar	1	1	• Oil ASTM n°3		3	1
• Boric acid (23°C)	H3BO3	1	1	• Oxalique acid (10%, 23°C)	HOO-COOH	2	2
• Brine	NaCl + H2O	2	2	• Oxygen (>20%)	O	3	3
• Calcium hydroxide, Slaked lime	Ca(OH)2	1	1	• Ozone	O	2	2
• Carbolic acid		3	3	• Perchloric acid (70%)		3	3
• Carbon monoxide (60°C)	CO	1	1	• Phosphate ester hydraulic fluid, Skydrol		1	3
• Carbon dioxide (dry)	CO2	1	1	• Phosphoric acid, Orthophosphoric acid	H3PO4	2	2
• Carbon dioxide (wet or 60°C)	CO2	3	2	• Potassium hydroxide (50%, 85°C)	KOH	2	3
• Carbon sulfite		3	2	• Sea water	H2O, NaCl	2	2
• Chlorine (sea chlorinated fluid)		3	3	• Silicon emulsions		1	1
• Citric acid (50%)	C6H8O7	2	2	• Sodium bicarbonate, baking soda (23°C)		1	1
• Diacetone alcohol	C6H12O2	1	3	• Sodium carbonate		1	1
• Ethane-diol, monoethylene glycol, MEG	C2H6O2	2	2	• Sodium hydroxide, caustic soda (50%)	NAOH	2	3
• Ethylene glycol	C2H4 (OH)2	1	1	• Sodium nitrite		2	2
• Formic acid, methanoic acid	CH2O2	3	3	• Sodium peroxide	Na2O2	3	3
• Gallic acid (5%)	C7H6O5	1	1	• Sodium phosphate	NA3PO4	2	2
• Glycol		1	1	• Sodium sulphate	Na2SO4	1	1
• Glycolic acid (50%)		3	3	• Aqueous solution of detergent		2	2
• Helium (gas)	He	1	1	• Sulfuric acid (10%, 20°C)	H2SO4	3	3
• Hydraulic fluid - mineral oil	-	3	1	• Tartric acid (50%, 23°C)		3	2
• Hydraulic fluid - petroleum based	-	3	1	• Trichlorethylene, Trichloride ethylene	C2HCl3	3	3
• Hydraulic fluid - silicone based	-	1	1	• Triethanolamine, TEA	C6H15O3N	2	3
• Hydrofluoridric acid	HF	3	3	• Water demineralised	H2	2	2
• Hydrogen bromide (20%)	HBr	3	3	• Water drinkable	H2O	3	3
• Hydrogen peroxide (30%)	H2O2	3	1	• Water industrial	H2	1	1
• Hydrogen sulfide	H2S	3	3	• Water with chlorine (5%, 23°C)	H2O, Cl, NaOCl	3	3
• Hydrolchloric acid (3%), Hydrogen chloride	HCl	3	3				

This information is given for information only.
 For further information and specific conditions of use, please contact our technical department.

IZING A NETWORK

Select the Transair® diameter for your application, based on required flow against pressure drop.

Estimated values for a closed loop network, a pressure of 4 bar with less than 10% pressure drop.
Velocity: 4 m/s.

Estimated Flow Rate				Equivalent Length									
				32.8 ft	65.6 ft	98.4 ft	131.2 ft	164 ft	246 ft	328 ft	492 ft	656 ft	984 ft
m³/h	l/s	l/min	cfm	10 m	20 m	30 m	40 m	50 m	75 m	100 m	150 m	200 m	300 m
0.5	0.14	8	0.3	22	22	22	22	22	22	22	22	22	28
1	0.28	17	0.6	22*	22*	22*	22*	22*	28	28	28	28	42
2.5	0.69	42	1.5	22*	28*	28*	28*	42	42	42	42	42	42
3.5	0.97	58	2.1	28	28	42	42	42	42	42	42	42	60
5	1.39	83	3	28*	42*	42*	42*	42*	42*	42*	60	60	60
10	2.77	167	6	42*	42*	42*	60*	60*	60*	60*	60*	76	76
15	4.17	250	9	42*	60*	60*	60*	60*	60*	76	76	76	76
20	5.56	333	12	60*	60*	60*	60*	60*	76*	76*	76*	100	100
30	8.33	500	18	60*	60*	76*	76*	76*	76*	100*	100*	100*	100*
40	11.11	667	24	76*	76*	76*	76*	76*	100*	100*	100*	100*	
50	13.89	833	29	76*	76*	76*	100*	100*	100*	100*			
75	20.83	1250	44	100*	100*	100*	100*	100*					
80	22.22	1333	47	100*	100*	100*	100*	100*					
100	27.78	1667	59	100*	100*	100*	100*						

* These results should be taken into account in order to ensure the best practice for industrial water networks.
An anti-water hammer device is necessary for the protection of regulation components of other fragile elements.

Example (with the above values)

- Main network length (main ring): 50 metres
- Required flow rate: 15 m³/h
- Working pressure: 4 bar
- Pressure drop < 10 %
- Velocity: 4m/s
- The most suitable Transair® diameter is: Ø60.

DIN 1988

The pressure drop per diameter is stated for a flow rate and a velocity, at a temperature of 20°C.
Technical data sheet available upon request.

I TRANSAIR® STANDARDS AND CERTIFICATIONS

Transair® stainless steel range certifications fall within the standard and regulation universe described on pages 8 and 9 of this catalogue.

Standards Related to Transair® Stainless Steel Pipe



I Transair® stainless steel range conforms to the standards below related to mechanical and chemical properties per diameter.

	Ø 22 - Ø 28	Ø 42 - Ø 60	Ø 76 - Ø 100
Manufacturing Standards	EN 10217-7	EN 10217-7	EN 10217-7
Grade	EN 10088-2, 4404, AISI 316L	1.4301 / AISI 304	1.4301 / AISI 304
Welding Standard	DIN 17 457, EN 10217-7	DIN 17 457, EN 10217-7	DIN 17 457, EN 10217-7
Tolerances	DVGW - W541	EN 1127D4/T3	EN 1127D4/T3

The quality and consistency of the stainless steel grade used allow to bend Transair® stainless steel pipe according to the best practice, as described in page 149 of this catalogue.

Applications



I FDA Certificate – CFR 21

Transair® stainless steel drops diameter 22mm presented on pages 152 and 153 of this catalogue conform to FDA – CFR 21 requirements.

Safety



I UL94 Certificate

All Transair® components are non-flammable with no propagation of flame.

Pipe-to-pipe connectors, ball valves and butterfly valves conform to UL94HB standards.

The above mentioned certificates are available upon request.

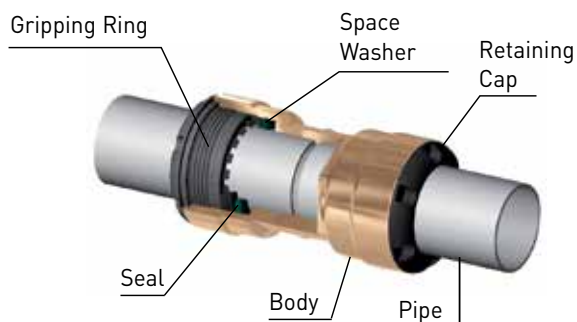
MATERIAL STAINLESS STEEL RANGE

	Ø22 - Ø28	Ø42 - Ø60	Ø76 - Ø100
PIPE	316L Stainless Steel	304 Stainless Steel	304 Stainless Steel
CONNECTOR	Body: bronze Gripping Ring: stainless steel Retaining cap: HR Polymer	Body: HR Polymer Nut: HR Polymer Clamp: HR Polymer	Clamp: treated steel Cartridge: HR Polymer and stainless steel
90° ELBOW	Body: bronze Gripping Ring: stainless steel Retaining cap: HR Polymer	Body:HR Polymer Nut: HR Polymer	304 Stainless Steel
45° ELBOW	-	304 Stainless Steel	304 Stainless Steel
180° ELBOW	-	304 Stainless Steel	-
TEE	Body: bronze Gripping Ring: stainless steel Retaining cap: HR Polymer	Body:HR Polymer Nut: HR Polymer	304 Stainless Steel
REDUCING TEE	Body:bronze Gripping Ring: stainless steel Retaining cap: HR Polymer	-	304 Stainless Steel
IN-LINE REDUCER	Body: bronze Gripping Ring: stainless steel Retaining cap: HR Polymer	Treated Brass	304 Stainless Steel
END-CAP	Body: bronze Gripping Ring: stainless steel Retaining cap: HR Polymer	304 Stainless Steel	304 Stainless Steel
MALE STUD FITTING	Body: bronze Gripping Ring: stainless steel Retaining cap: HR Polymer	-	-
MALE ADAPTOR	-	Treated Brass	Treated Brass
WALL BRACKET	Treated Brass	-	-
BUTTERFLY VALVE	-	Body: iron / Handle: aluminium	Body and handle: iron Disc and shaft: stainless steel /Handle: aluminium
QUICK ASSEMBLY BRACKET	-	Iron and treated steel	Iron and treated steel
FLANGE	-	304 Stainless Steel	304 Stainless Steel
BALL VALVE	Body: nickel-plated brass Seal: PTFE		
FIXING CLIP	304 Stainless Steel		
NON SLIP CLIP	Collar: zinc-plated steel Lining: elastomer		
THREADED ROD	Steel		
SCREW TYPE BEAM CLAMP	Formed Steel		

All seals are available in EPDM or FKM (unless otherwise stated).

TRANSAIR® CONNECTION TECHNOLOGIES

Transair® innovative technology takes into account the specific requirements of each diameter and provides the user with an optimum safety coefficient and easy connection.



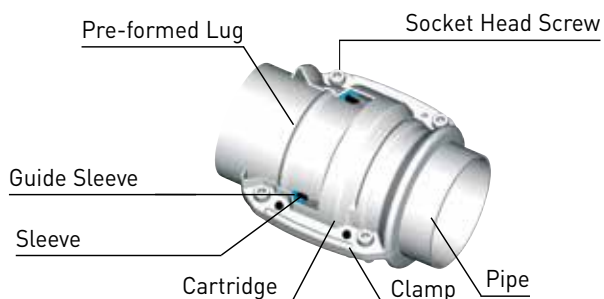
Ø22 - Ø28mm

Pipe-to-pipe and stud connectors in Ø22 and Ø28 can be immediately connected to Transair® stainless steel -pipe – simply push the pipe into the connector up to the connection mark. The gripping ring of each fitting is then automatically secured and the connection is safe.



Ø42 - Ø60mm

Pipe-to-pipe and stud connectors in Ø42 and Ø60 can be quickly connected to Transair® stainless steel pipe by means of a double clamp ring. This secures the connection between the nut and the pipe – tightening of the nuts secures the final assembly.



Ø76 - Ø100mm

Pipe-to-pipe and stud connectors in Ø76 and Ø100 can be quickly connected to Transair® stainless steel pipe. Position the pipes to be connected within the Transair® cartridge and close/tighten the Transair® clamp.



TRANSAIR® STAINLESS STEEL RANGE

PRODUCT RANGE



Stainless Steel Pipe



122

Pipe-To-Pipe & Stud Connectors



124

Quick Assembly Brackets and Wall Brackets



129

Ball Valves and Butterfly Valves



130

Tools



132

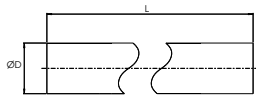
Fixtures and Accessories



133

STAINLESS STEEL PIPE

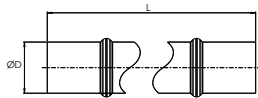
Ø
22
28



STAINLESS STEEL PIPE AISI 316L

Transair®	ØD	ext. Ø	int. Ø	L(m)	Kg
TF03 N7 00	22	22	19.6	3	1.860
TF06 N7 00	22	22	19.6	6	3.720
TF03 N9 00	28	28	25.6	3	2.430
TF06 N9 00	28	28	25.6	6	4.860

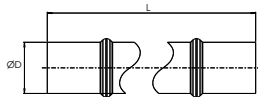
Ø
42
60



STAINLESS STEEL PIPE AISI 304

Transair®	ØD	ext. Ø	int. Ø	L(m)	Kg
TX03 M4 00	42	42.3	39.1	3	4.902
TX06 M4 00	42	42.3	39.1	6	9.804
TX03 M6 00	60	60.3	57.1	3	7.053
TX06 M6 00	60	60.3	57.1	6	14.106

Ø
76
100



STAINLESS STEEL PIPE AISI 304

Transair®	ØD	ext. Ø	int. Ø	L(m)	Kg
TX03 L1 00	76	76.1	72.9	3	8.955
TX06 L1 00	76	76.1	72.9	6	17.910
TX03 L3 00	100	101.6	97.6	3	14.964
TX06 L3 00	100	101.6	97.6	6	29.928

Please consult the installation guide on page 138 of this catalogue for pipe installation.

STANDARDS

	Ø 22 - Ø 28	Ø 42 - Ø 60	Ø 76 - Ø 100
Manufacturing Standards	EN 10217-7	EN 10217-7	EN 10217-7
Grade	EN 10088-2, 1.4404 / AISI 316 L	1.4301 / AISI 304	1.4301 / AISI 304
Welding Standards	DIN 17 457, EN 10217-7	DIN 17 457, EN 10217-7	DIN 17 457, EN 10217-7
Tolerances	DVGW - W541	EN 1127 D4 / T3	EN 1127 D4 / T3

VOLUME AND MASS

Ø ext (mm)	Ø int (mm)	Value for 1 metre of pipe		
		Volume (l)	Pipe mass (kg)	Mass of the network full of water (kg)
22.0	19.6	0.30	0.627	0.929
28.0	25.6	0.51	0.808	1.323
42.3	39.1	1.20	1.616	2.817
60.3	57.1	2.56	2.331	4.892
76.1	72.9	4.17	2.958	7.132
101.6	97.6	7.48	4.944	12.425

FIXTURES AND ACCESSORIES

Ø
22
↓
100

FIXING CLIP

Transair®	ØD	C
ER01 N7 00	22	M8 / M10
ER01 N9 00	28	M8 / M10
ER01 M4 00	42	M8 / M10
ER01 M6 00	60	M8 / M10
ER01 L1 00	76	M8 / M10
ER01 L3 00	100	M8 / M10

Maximum admitted static load: 210 daN

Ø
42
60
76
100

NON SLIP STAINLESS STEEL CLIP

Transair®	ØD	C
EX01 M4 00	42	M8 / M10
EX01 M6 00	60	M8 / M10
EX01 L1 00	76	M8 / M10
EX01 L3 00	100	M8 / M10

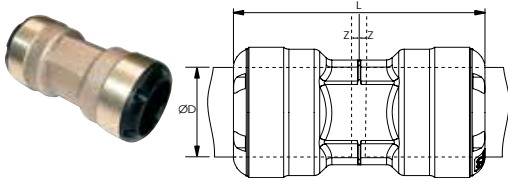
Maximum admitted static load: 200 daN

PIPE-TO-PIPE AND STUD CONNECTORS

The range of Transair® pipe-to-pipe and stud connectors provides versatility of design.

- ▮ Quick connection
- ▮ Dismountable and reusable
- ▮ Full bore design (consistent inner diameter for both pipe and connectors)

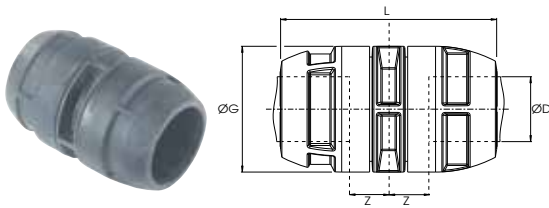
Ø
22
28



PIPE-TO-PIPE CONNECTOR

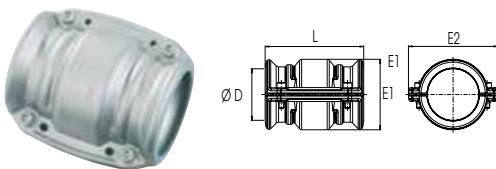
Transair®	Seal	ØD	L	Z	Kg
RR06 N7 01	EPDM	22	63.2	1.2	0.125
RR06 N9 01	EPDM	28	85.5	1.2	0.245
RR06 N7 02	FKM	22	63.2	1.2	0.125
RR06 N9 02	FKM	28	85.5	1.2	0.245

Ø
42
60




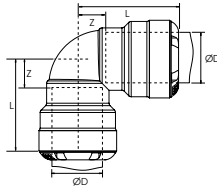

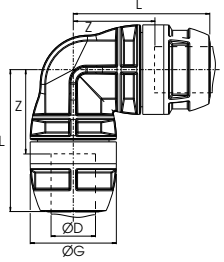

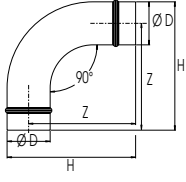
Transair®	Seal	ØD	ØG	L	Z	Kg
RP06 M4 01	EPDM	42	82	155	2.6	0.493
RP06 M6 01	EPDM	60	100	156	2.6	0.656
RP06 M4 02	FKM	42	82	155	2.6	0.493
RP06 M6 02	FKM	60	100	156	2.6	0.656


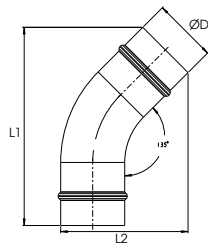

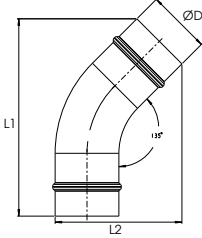
Ø
76
100



CONNECTOR (CLAMP + CARTRIDGE)

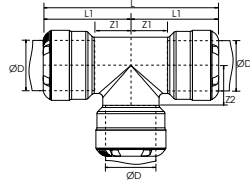
Transair®	Seal	ØD	L	E1	E2	M	N	Kg
RR01 L1 01	EPDM	76	146	104	132	88.7	51.4	1.131
RR01 L3 01	EPDM	100	146	128	157	125	52.7	1.480
RR01 L1 02	FKM	76	146	104	132	88.7	51.4	1.131
RR01 L3 02	FKM	100	146	128	157	125	52.7	1.480

<p>Ø 22 28</p>			90° ELBOW																																				
			<table border="1"> <thead> <tr> <th>Transair®</th> <th></th> <th>ØD</th> <th>L</th> <th>Z</th> <th>Kg</th> </tr> </thead> <tbody> <tr> <td>RR02 N7 01</td> <td>EPDM</td> <td>22</td> <td>43.6</td> <td>13.2</td> <td>0.160</td> </tr> <tr> <td>RR02 N9 01</td> <td>EPDM</td> <td>28</td> <td>56</td> <td>14.5</td> <td>0.266</td> </tr> <tr> <td>RR02 N7 02</td> <td>FKM</td> <td>22</td> <td>43.6</td> <td>13.2</td> <td>0.160</td> </tr> <tr> <td>RR02 N9 02</td> <td>FKM</td> <td>28</td> <td>56</td> <td>14.5</td> <td>0.266</td> </tr> </tbody> </table>	Transair®		ØD	L	Z	Kg	RR02 N7 01	EPDM	22	43.6	13.2	0.160	RR02 N9 01	EPDM	28	56	14.5	0.266	RR02 N7 02	FKM	22	43.6	13.2	0.160	RR02 N9 02	FKM	28	56	14.5	0.266						
Transair®		ØD	L	Z	Kg																																		
RR02 N7 01	EPDM	22	43.6	13.2	0.160																																		
RR02 N9 01	EPDM	28	56	14.5	0.266																																		
RR02 N7 02	FKM	22	43.6	13.2	0.160																																		
RR02 N9 02	FKM	28	56	14.5	0.266																																		
<p>Ø 42 60</p>																																							
			<table border="1"> <thead> <tr> <th>Transair®</th> <th></th> <th>ØD</th> <th>ØG</th> <th>L</th> <th>Z</th> <th>Kg</th> </tr> </thead> <tbody> <tr> <td>RP02 M4 01</td> <td>EPDM</td> <td>42</td> <td>82</td> <td>130</td> <td>55</td> <td>0.599</td> </tr> <tr> <td>RP02 M6 01</td> <td>EPDM</td> <td>60</td> <td>100</td> <td>139</td> <td>64</td> <td>0.825</td> </tr> <tr> <td>RP02 M4 02</td> <td>FKM</td> <td>42</td> <td>82</td> <td>130</td> <td>55</td> <td>0.599</td> </tr> <tr> <td>RP02 M6 02</td> <td>FKM</td> <td>60</td> <td>100</td> <td>139</td> <td>64</td> <td>0.825</td> </tr> </tbody> </table>	Transair®		ØD	ØG	L	Z	Kg	RP02 M4 01	EPDM	42	82	130	55	0.599	RP02 M6 01	EPDM	60	100	139	64	0.825	RP02 M4 02	FKM	42	82	130	55	0.599	RP02 M6 02	FKM	60	100	139	64	0.825	
Transair®		ØD	ØG	L	Z	Kg																																	
RP02 M4 01	EPDM	42	82	130	55	0.599																																	
RP02 M6 01	EPDM	60	100	139	64	0.825																																	
RP02 M4 02	FKM	42	82	130	55	0.599																																	
RP02 M6 02	FKM	60	100	139	64	0.825																																	
<p>Ø 76 100</p>																																							
			<table border="1"> <thead> <tr> <th>Transair®</th> <th></th> <th>ØD</th> <th>H</th> <th>Z</th> <th>Kg</th> </tr> </thead> <tbody> <tr> <td>RX02 L1 00</td> <td></td> <td>76</td> <td>227</td> <td>189</td> <td>1.033</td> </tr> <tr> <td>RX02 L3 00</td> <td></td> <td>100</td> <td>278</td> <td>227</td> <td>1.417</td> </tr> </tbody> </table>	Transair®		ØD	H	Z	Kg	RX02 L1 00		76	227	189	1.033	RX02 L3 00		100	278	227	1.417																		
Transair®		ØD	H	Z	Kg																																		
RX02 L1 00		76	227	189	1.033																																		
RX02 L3 00		100	278	227	1.417																																		
			<p>Use 2 connectors RR01 to connect elbow RX02 to Transair® stainless steel pipe.</p>																																				

<p>Ø 42 60</p>			45° ELBOW																			
			<table border="1"> <thead> <tr> <th>Transair®</th> <th></th> <th>ØD</th> <th>L1</th> <th>L2</th> <th>Kg</th> </tr> </thead> <tbody> <tr> <td>RX12 M4 00</td> <td></td> <td>42</td> <td>288</td> <td>149</td> <td>0.481</td> </tr> <tr> <td>RX12 M6 00</td> <td></td> <td>60</td> <td>300</td> <td>167</td> <td>0.527</td> </tr> </tbody> </table>	Transair®		ØD	L1	L2	Kg	RX12 M4 00		42	288	149	0.481	RX12 M6 00		60	300	167	0.527	
Transair®		ØD	L1	L2	Kg																	
RX12 M4 00		42	288	149	0.481																	
RX12 M6 00		60	300	167	0.527																	
<p>Ø 76 100</p>																						
			<table border="1"> <thead> <tr> <th>Transair®</th> <th></th> <th>ØD</th> <th>L1</th> <th>L2</th> <th>Kg</th> </tr> </thead> <tbody> <tr> <td>RX12 L1 00</td> <td></td> <td>76</td> <td>235.5</td> <td>151.4</td> <td>0.704</td> </tr> <tr> <td>RX12 L3 00</td> <td></td> <td>100</td> <td>271.4</td> <td>184.3</td> <td>1.309</td> </tr> </tbody> </table>	Transair®		ØD	L1	L2	Kg	RX12 L1 00		76	235.5	151.4	0.704	RX12 L3 00		100	271.4	184.3	1.309	
Transair®		ØD	L1	L2	Kg																	
RX12 L1 00		76	235.5	151.4	0.704																	
RX12 L3 00		100	271.4	184.3	1.309																	
			<p>Use 2 connectors RR01 to connect elbow RX12 to Transair® stainless steel pipe.</p>																			

PIPE-TO-PIPE AND STUD CONNECTORS

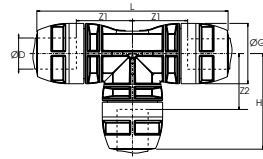
Ø
22
28



EQUAL TEE

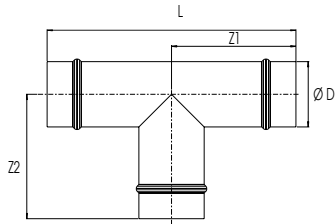
Transair®	Seal	ØD	L	L1	Z1	Z2	Kg
RR04 N7 01	EPDM	22	42.1	43.6	11.7	11	0.210
RR04 N9 01	EPDM	28	56	56	14.5	14.5	0.389
RR04 N7 02	FKM	22	42.1	43.6	11.7	11	0.210
RR04 N9 02	FKM	28	56	56	14.5	14.5	0.389

Ø
42
60



Transair®	Seal	ØD	ØG	L	H	Z1	Z2	Kg
RP04 M4 01	EPDM	42	82	260	130	55	55	0.894
RP04 M6 01	EPDM	60	100	279	139	64	64	1.200
RP04 M4 02	FKM	42	82	260	130	55	55	0.894
RP04 M6 02	FKM	60	100	279	139	64	64	1.200

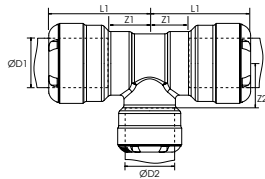
Ø
76
100



Transair®	ØD	L	Z1	Z2	Kg
RX04 L1 00	76	292	145	145	1.063
RX04 L3 00	100	312	155	135	1.787

Use 3 connectors RR01 to connect equal tee RX04 to Transair® stainless steel pipe Ø76 or Ø100.

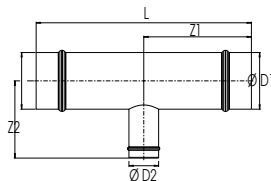
Ø
22
28



REDUCING TEE

Transair®	Seal	ØD1	ØD2	L1	Z1	Z2	Kg
RR04 N9 N7 01	EPDM	28	22	47	12	16	0.326
RR04 N9 N7 02	FKM	28	22	47	12	16	0.326

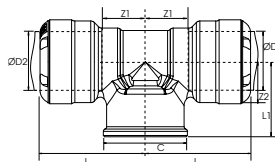
Ø
76
100



Transair®	ØD1	ØD2	L	Z1	Z2	Kg
RX04 L1 M4	76	42	290	145	183	1.029
RX04 L1 M6	76	60	290	145	183	1.103
RX04 L3 M4	100	42	310	155	195	1.680
RX04 L3 M6	100	60	310	155	195	1.739
RX04 L3 L1	100	76	310	155	135	1.637

Use 2 connectors RR01 to connect reducing tee RX04 to Transair® stainless steel pipe Ø76 or Ø100 and 1 connector RP06 to connect to Transair® stainless steel pipe Ø42 or Ø60.

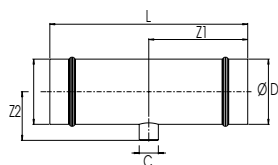
Ø
22



THREADED TEE

Transair®		ØD	C	L	L1	Z1	Z2	Kg
RR23 N7 06 01	EPDM	22	3/4"	42.1	30	11.7	13.7	0.189
RR23 N7 06 02	FKM	22	3/4"	42.1	30	11.7	13.7	0.189

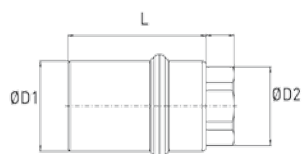
Ø
76
100



Transair®	ØD	C	L	Z1	Z2	Kg
RX23 L1 04	76	G1/2	292	145	63	0.892
RX23 L3 04	100	G1/2	312	155	75.8	1.564

Use 2 connectors RR01 to connect threaded tee RX23 to Transair® stainless steel pipe Ø76 or Ø100.

Ø
42
60

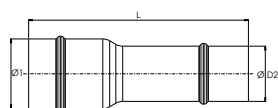


PLUG-IN REDUCER

Transair®	ØD1	ØD2	L	Kg
RR14 M4 06	42	G 3/4	88	0.600
RR14 M4 08	42	G 1	160	0.800
RR14 M6 06	60	G 3/4	92	1.000
RR14 M6 08	60	G 1	92	0.850

Use a connector RP06 to connect plug-in reducer RP14 to Transair® stainless steel pipe Ø42 or Ø60 and a connector RR05 to connect to Transair® stainless steel pipe Ø22 or Ø28.

Ø
60
76
100

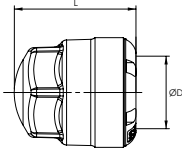


Transair®	ØD1	ØD2	L	Kg
RX66 M6 M4	60	42	220	0.376
RX66 L1 M6	76	60	240	0.549
RX66 L3 L1	100	76	192	0.702

Use a connector RR01 to connect plug-in reducer RX66 to Transair® stainless steel pipe Ø76 or Ø100 and a connector RP06 to connect to Transair® stainless steel pipe Ø60.

PIPE-TO-PIPE AND STUD CONNECTORS

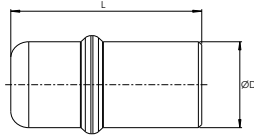
Ø
22
28



END CAP

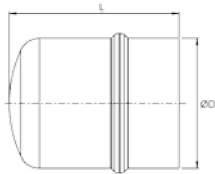
Transair®	Seal	ØD	L	Kg
RR25 N7 01	EPDM	22	41.1	0.081
RR25 N9 01	EPDM	28	54.5	0.146
RR25 N7 02	FKM	22	41.1	0.081
RR25 N9 02	FKM	28	54.5	0.146

Ø
42
60



Transair®	ØD	L	Kg
RR25 M4 00	42	85	0.465
RR25 M6 00	60	85	0.718

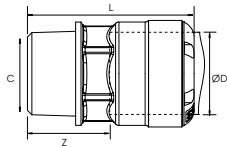
Ø
76
100



Transair®	ØD	L	Kg
RX25 L1 00	76	106	0.346
RX25 L3 00	100	107.4	0.539

Use 1 connector RR01 to connect end cap RX25 to Transair® stainless steel pipe Ø76 or Ø100.

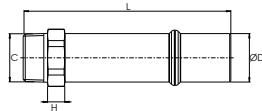
Ø
22
28



MALE STUD FITTING, BSP TAPER

Transair®	Seal	ØD	C	L	Z	Kg
RR05 N7 04 01	EPDM	22	1/2	51.1	20.7	0.100
RR05 N7 06 01	EPDM	22	3/4	52.6	22.2	0.104
RR05 N9 08 01	EPDM	28	1"	65.5	22.1	0.181
RR05 N7 04 02	FKM	22	1/2	51.1	20.7	0.100
RR05 N7 06 02	FKM	22	3/4	52.6	22.2	0.104
RR05 N9 08 02	FKM	28	1"	65.5	22.1	0.181

Ø
42
60

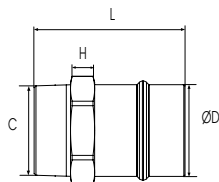


MALE ADAPTOR, BSP TAPER

Transair®	ØD	C	L	H	Kg
RR05 M4 06	42	3/4	117	10	0.557
RR05 M4 10	42	1"1/4	183	15	0.896
RR05 M4 12	42	1"1/2	183	15	0.588
RR05 M6 06	60	3/4	117	10	1.005
RR05 M6 16	60	2"	192	15	1.787
RR05 M6 20	60	2"1/2	195	15	1.217

Use 1 connector RP06 to connect end cap RR05 to Transair® stainless steel pipe Ø42 or Ø60.

Ø
76

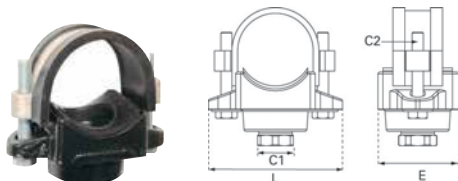


Transair®	ØD	C	L	H	Kg
RR05 L1 20	76	R2"1/2	125	20	1.968

Use 1 connector RR01 to connect end cap RR05 to Transair® stainless steel pipe Ø76.

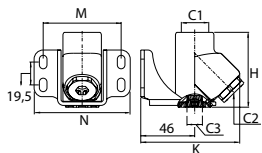
QUICK ASSEMBLY BRACKETS AND WALL BRACKETS

Ø
42
60
76
100



QUICK ASSEMBLY DIRECT FEED BRACKET

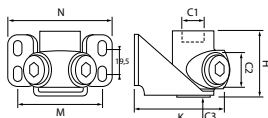
Transair®	Seal	ØD	C1	C2	E	L	Kg
RR82 M4 06 01	EPDM	42	3/4	M10	49	88	0.445
RR82 M6 06 01	EPDM	60	3/4	M10	62	117	0.900
RR82 L1 08 01	EPDM	76	1"	M12	50	137	1.950
RR82 L3 08 01	EPDM	100	1"	M12	80	158	1.960
RR82 M4 06 02	FKM	42	3/4	M10	49	88	0.445
RR82 M6 06 02	FKM	60	3/4	M10	62	117	0.900
RR82 L1 08 02	FKM	76	1"	M12	50	137	1.950
RR82 L3 08 02	FKM	100	1"	M12	80	158	1.960



1 PORT 45° THREADED WALL BRACKET, BSP PARALLEL

Transair®	C1	C2	C3	H	K	M	N	Kg
6641 21 21	G1/2	G1/2	G1/4	64	84.5	66.5	82	0.539

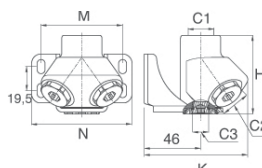
Supplied with G1/2" plug



2 PORT 90° THREADED WALL BRACKET, BSP PARALLEL

Transair®	C1	C2	C3	H	K	M	N	Kg
6686 21 21	G1/2	G1/2	G1/4	48	72.5	66.5	82	0.415

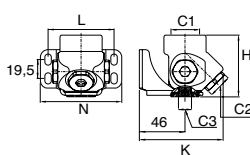
Supplied with G1/2" plugs



2 PORT 45° THREADED WALL BRACKET, BSP PARALLEL

Transair®	C1	C2	C3	H	K	M	N	Kg
6690 21 21	G1/2	G1/2	G1/4	64	84.5	66.5	82	0.672

Supplied with G1/2" plugs



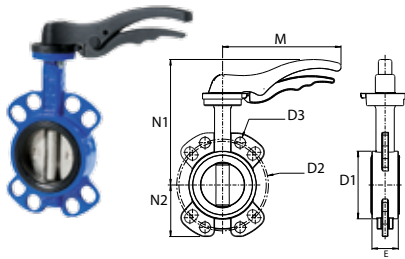
3 PORT THREADED WALL BRACKET, BSP PARALLEL

Transair®	C1	C2	C3	H	K	M	N	Kg
6635 27 21	G3/4	G1/2	G1/4	64	84.5	66.5	82	0.750

Supplied with G1/2" plugs

BALL VALVES AND BUTTERFLY VALVES

Transair® ball valves and butterfly valves placed regularly throughout the network and at key locations allow ease of system isolation, adaptation and maintenance. These valves are silicone-free.



BUTTERFLY VALVE

Transair®	Seal	ØD	DN	ØD1	ØD2	ØD3	M	N1	N2	E	Kg
VR02 M4 01	EPDM	42	32	73	100	18	192	178	56	33	1.700
VR02 M4 02	FKM	42	32	73	100	18	192	178	56	33	1.700
VR02 M6 01	EPDM	60	50	89	125	18	170	176	62	43	2.100
VR02 M6 02	FKM	60	50	89	125	18	170	176	62	43	2.100
VR02 L1 01	EPDM	76	80	118	160	18	206	219	90	46	3.200
VR02 L1 02	FKM	76	80	118	160	18	206	219	90	46	3.200
VR02 L3 01	EPDM	100	100	150	180	18	206	239	106	52	4.300
VR02 L3 02	FKM	100	100	150	180	18	206	239	106	52	4.300

Models with CE marking. NBR seal. EW06 bolt kits are not supplied for valve/flanges assembly. The butterfly valves do not require additional ring when connected to circular flanges. Suitable for flanges according to EN 1092-1 - PN 16.

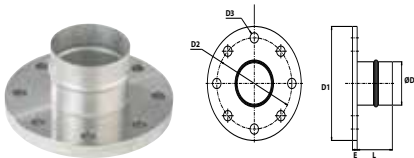
BOLT KIT FOR BUTTERFLY VALVE AND STAINLESS STEEL FLANGE

Transair®	C	L	Number of bolts	Kg
EW06 00 03	M16	90	x 8	1.820

BOLT KITS FOR ASSEMBLY STAINLESS STEEL FLANGE / VALVE / STAINLESS STEEL FLANGE

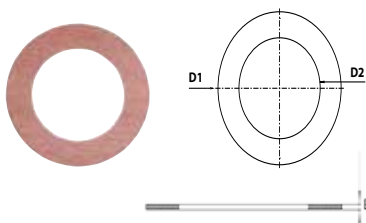
Flange Part Numbers	Transair®	ØD	DN	Bolt Kit Part Number	Quantity of Bolt Kits	Max. Torque N.m
RX30 M4 00	VR02 M4 01	42	32	EW06 00 03	1 kit	50
RX30 M4 00	VR02 M4 02	42	32	EW06 00 03	1 kit	
RX30 M6 00	VR02 M6 01	60	50	EW06 00 03	1 kit	
RX30 M6 00	VR02 M6 02	60	50	EW06 00 03	1 kit	
RX30 L1 00 01	VR02 L1 01	76	80	EW06 00 03	1 kit	
RX30 L1 00 01	VR02 L1 02	76	80	EW06 00 03	1 kit	
RX30 L3 00	VR02 L3 01	100	100	EW06 00 03	1 kit	
RX30 L3 00	VR02 L3 02	100	100	EW06 00 03	1 kit	

STAINLESS STEEL FLANGE (EN-ISO)



Transair®	ØD	DN	ØD1	ØD2	ØD3	E	L	Kg
RX30 M4 00	42	32	140	100	18	10	163	1.250
RX30 M6 00	60	50	165	125	18	10	141	1.700
RX30 L1 00	76	65	185	145	18	10	75	1.940
RX30 L1 00 01	76	80	200	160	18	10	75	2.250
RX30 L3 00	100	100	220	180	18	10	75	2.680

EPDM GASKET FOR STAINLESS STEEL FLANGE



Transair®	DN	For Circular Flange	ØD1	ØD2	E	Kg
EW05 M4 01	32	RX30 M4 00	82	43	2	0.028
EW05 M6 01	50	RX30 M6 00	107	61	2	0.036
EW05 L1 01	65	RX30 L1 00	124	73	3	0.028
EW05 L1 00 01	80	RX30 L1 00 01	142	89	3	0.033
EW05 L3 01	100	RX30 L3 00	162	115	3	0.035

Ø
42
60
76
100

Ø
42
60
76
100

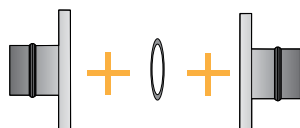
Ø
42
60
76
100

BOLT KIT FOR STAINLESS STEEL FLANGE



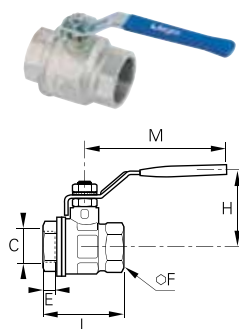
Transair®	C	L	Number of Bolts	Kg
EW06 00 01	M16	60	x 8	1.257

GASKET AND BOLT KITS FOR ASSEMBLY STAINLESS STEEL FLANGE / STAINLESS STEEL FLANGE



Transair®	ØD	DN	Part Number EPDM Gasket	PN Bolt Kit	Qty of Bolt Kit	Max. Tightening Torque N.m
RX30 M4 00	42	32	EW05 M4 01	EW06 00 01	1 kit	200
RX30 M6 00	60	50	EW05 M6 01	EW06 00 01	1 kit	
RX30 L1 00	76	65	EW05 L1 01	EW06 00 01	1 kit	
RX30 L1 00 01	76	80	EW05 L100 01	EW06 00 01	1 kit	
RX30 L3 00	100	100	EW05 L3 01	EW06 00 01	1 kit	

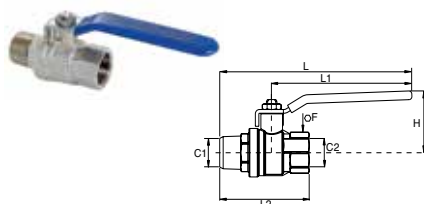
BALL VALVE - DOUBLE FEMALE NICKEL-PLATED



Transair®	C	DN	Max.P (bar)	E	F	H	L	M	Kg
VR03 00 02	G1/4	10	30	11.4	20	43	51.5	98	0.157
VR03 00 03	G3/8	10	30	11.4	20	43	51.5	98	0.141
VR03 00 04	G1/2	15	30	13.5	25	47	55	98	0.204
VR03 00 06	G3/4	20	30	12.5	31	58	57.5	122	0.310
VR03 00 08	G1"	25	30	15	38	60	69.5	122	0.460
VR03 00 10*	G1"1/4	32	30	17	48	77	81.5	153	0.751
VR03 00 12*	G1"1/2	40	30	18	54	83	95	153	1.100
VR03 00 16*	G2"	50	30	22	66	95	113	162	1.644
VR03 00 20*	G2"1/2	65	30	22	85	132	136	255	2.979

*Model with CE marking.

BALL VALVE - MALE / FEMALE - BSP MALE TAPER / FEMALE PARALLEL



Transair®	C1	C	DN	Max.P (bar)	F	H	L	L1	L2	Kg
VR04 00 04	R1/2	G1/2	15	40	25	43	140.5	100	70.0	0.230
VR04 00 06	R3/4	G3/4	20	40	31	50	164.5	120	76.5	0.360
VR04 00 08	R1"	G1"	25	40	40	54	172	120	92.5	0.623
VR04 00 10*	R1"1/4	G1"1/4	32	40	49	73	217.5	158	106	0.965
VR04 00 12*	R1"1/2	G1"1/2	40	40	54	79	220	158	113	1.213
VR04 00 16*	R2"	G2"	50	40	68.5	86	230.5	158	133	1.983
VR04 00 20*	R2"1/2	G2"1/2	65	30	85	132	357.5	255	180.5	3.600

*Model with CE marking.

TOOLS

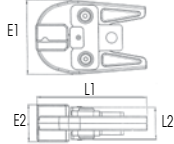
∅
42
60
76
100



PORTABLE TOOL KIT

Transair®	Voltage
EW01 00 01	220 V
EW01 00 03	110 V

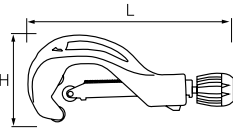
This case contains : 1 portable tool, 1 14.4 V battery and battery charger.
Additional battery: EW03 00 01



JAW FOR PORTABLE TOOL

Transair®	∅D	E1	E2	L1	L2
EW02 M4 00	42	103	28	154	46
EW02 M6 00	60	103	42	154	46
EW02 L1 00	76	103	52	154	46
EW02 L3 00	100	103	71	154	46

∅
22
↓
100



CUTTER FOR STAINLESS STEEL PIPE

Transair®	L	H	Use for Transair® Pipe
6698 03 01	230	98	∅ 22 - 28 - 42 - 60 - 76
EW08 00 03	360	155	∅ 100

Spare rotary cutter blade for Transair® cutter 6698 03 01: EW08 00 99
Spare rotary cutter blade for Transair® cutter EW08 00 03: EW08 00 04

∅
22
28



DISMOUNTING TOOL

EW11 00 01

Contains 1 key, 5 rings for dismantling ∅22 and 5 rings for dismantling ∅28

MAINTENANCE SET

Transair®	Seal	∅D
EW10 N7 01	EPDM	22
EW10 N9 01	EPDM	28
EW10 N7 02	FKM	22
EW10 N9 02	FKM	28

Contains 5 complete fitting accessories

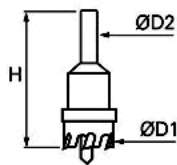
∅
42
60



SET OF TIGHTENING SPANNERS

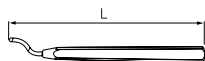
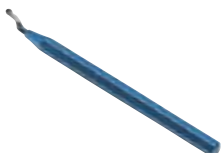
6698 05 03

∅
42
60
76
100



DRILLING TOOL

Transair®	∅D1	∅D2	H	Kg	Use for Transair® Pipe
EW09 00 22	22	10	69	0.120	∅ 42 - 60
EW09 00 30	30	12	71	0.127	∅ 76 - 100



DEBURRING TOOL

Transair®	L	Kg
6698 04 02	140	0.026

FIXTURES AND ACCESSORIES



THREADED ROD KIT

Transair®	C
ER99 05 02	M8
ER99 05 03	M10

Contains 10 threaded rods 1 metre length, 50 nuts and 10 threaded connectors.



SCREW TYPE BEAM CLAMP

Transair®	For Screw
ER99 06 02	M8
ER99 06 03	M10

