

# The Hydraulic & Pneumatic Component Catalogue



**2018 – 2019**  
**Issue 21**

**SWING COUPLINGS**

**FEATURES**

Simple and quick connection with no force or loss of pressure in the system. Self-venting and anti-whiplash.

- In accordance with safety standard ISO 4414, EN 983
- Pressure always automatically off during the coupling process
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design
- Eco design

**SPECIFICATIONS**

Application	Compressed air, gases, liquids and media with low to medium viscosity due to free flow with no restrictions
Pressure	Operating pressure up to 360 psi
Temperature	-20°C to +100°C

**COUPLINGS**



**HOSE BARB**

5615

PART NUMBER	HOSE DIA.	PRICE
CP205P-1002	6 mm	£60.90
CP205P-1003	8 mm	£60.90
CP205P-1004	10 mm	£60.90

**NIPPLES**



**PARKAIR SERIES CP19  
HOSE BARB**

5612

PART NUMBER	HOSE DIA.	PRICE
CP19-5002	6 mm 1/4"	£2.03
CP19-5003	8 mm 5/16"	£2.03
CP19-5004	10 mm 3/8"	£2.03
CP19-5005	13 mm 1/2"	£2.03



**MALE SWING COUPLING**

5615

PART NUMBER	MALE	PRICE
CP205P-1152	1/4" BSPP	£60.90
CP205P-1154	3/8" BSPP	£60.90
CP205P-1155	1/2" BSPP	£60.90

**PARKAIR SERIES CP19  
MALE THREAD**



5612

PART NUMBER	MALE	PRICE
CP19-5152	1/4" BSPT	£2.03
CP19-5154	3/8" BSPT	£2.03
CP19-5155	1/2" BSPT	£2.03



**FEMALE SWING COUPLING**

5615

PART NUMBER	FEMALE	PRICE
CP205P-1202	1/4" BSPP	£60.90
CP205P-1204	3/8" BSPP	£60.90
CP205P-1205	1/2" BSPP	£60.90

**PARKAIR SERIES CP19  
FEMALE THREAD**



5612

PART NUMBER	FEMALE	PRICE
CP19-5202	1/4" BSPP	£2.03
CP19-5204	3/8" BSPP	£2.03
CP19-5205	1/2" BSPP	£2.03

FEATURES		BENEFITS	
<ul style="list-style-type: none"> <li>• Colour coded thumb latch</li> <li>• High flow capacity</li> <li>• Redundant multilobed seals</li> <li>• Locking hose barb</li> </ul>	<ul style="list-style-type: none"> <li>• Simple, intuitive one hand operation with visual difference in cooling lines</li> <li>• Cost effective fluid handling system</li> <li>• Protection against leakage and ability to withstand extended periods of connection</li> <li>• Quality connection with reinforced tubing used in liquid cooling applications</li> </ul>		
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

New

**IN-LINE HOSE BARB – VALVED  
SWIVEL BODY – BLUE**



800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D1704LBLU	1/4"	£43.87

New

**IN-LINE HOSE BARB – VALVED  
SWIVEL BODY – RED**



800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D1704LRED	1/4"	£43.87

New

**IN-LINE MALE THREAD – VALVED  
SWIVEL BODY – BLUE**



800

PART NUMBER	THREAD SIZE	PRICE
cLQ2D3004BLU	1/4" SAE	£45.39

New

**IN-LINE MALE THREAD – VALVED  
SWIVEL BODY – RED**



800

PART NUMBER	THREAD SIZE	PRICE
cLQ2D3004RED	1/4" SAE	£45.39

New

**HOSE BARB – VALVED  
SWIVEL ELBOW BODY – BLUE**

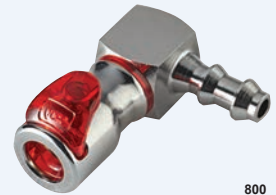


800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D3304LBU	1/4"	£53.33

New

**HOSE BARB – VALVED  
SWIVEL ELBOW BODY – RED**



800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D3304LRED	1/4"	£53.33



FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>• Colour coded thumb latch</li> <li>• High flow capacity</li> <li>• Redundant multilobed seals</li> <li>• Locking hose barb</li> </ul>	<ul style="list-style-type: none"> <li>• Simple, intuitive one hand operation with visual difference in cooling lines</li> <li>• Cost effective fluid handling system</li> <li>• Protection against leakage and ability to withstand extended periods of connection</li> <li>• Quality connection with reinforced tubing used in liquid cooling applications</li> </ul>
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 INSERTS

New



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

800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D2204BLU	1/4"	£23.46

New



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

800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D2204RED	1/4"	£23.46

New

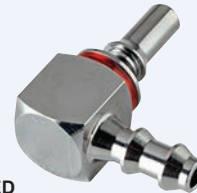


**HOSE BARB – VALVED  
ELBOW COUPLING INSERT – BLUE**

800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D2304BLU	1/4"	£33.20

New



**HOSE BARB – VALVED  
ELBOW COUPLING INSERT – RED**

800

PART NUMBER	TUBING SIZE	PRICE
cLQ2D2304RED	1/4"	£33.20

New



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

800

PART NUMBER	THREAD SIZE	PRICE
cLQ2D4604BLU	1/4" SAE	£20.53

New



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

800

PART NUMBER	THREAD SIZE	PRICE
cLQ2D4604RED	1/4" SAE	£20.53

FEATURES		BENEFITS	
<ul style="list-style-type: none"> <li>• Shrouded thumb latch</li> <li>• Latch always in position to accept insert</li> <li>• Compact, modular design</li> <li>• Independent quick connections</li> </ul>		<ul style="list-style-type: none"> <li>• Minimises inadvertent latch activation</li> <li>• Ensures leak free operation</li> <li>• Fits well in the hand and is easy to wipe down</li> <li>• Requires minimal manual dexterity</li> </ul>	
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	Acetal		
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		



## COUPLING BODIES

## COUPLING INSERTS

New



**WHITE – HOSE BARB  
DUAL BODY – VALVED PLC**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
<b>cDTLD17004</b>	1/4" ID	6.4 mm ID	<b>£8.91</b>
<b>cDTLD17006</b>	3/8" ID	9.5 mm ID	<b>£8.91</b>

New



**WHITE – IN-LINE – VALVED ABS  
HOSE BARB**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
<b>cPLCD2200406</b>	1/4" ID	6.4 mm ID	<b>£5.64</b>
<b>cPLCD2200606</b>	3/8" ID	9.5 mm ID	<b>£5.64</b>

New



**BLACK – HOSE BARB  
DUAL BODY – VALVED PLC**

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
<b>cDTLD17004MBLK</b>	1/4" ID	9.4 mm ID	<b>£8.91</b>
<b>cDTLD17006MBLK</b>	3/8" ID	6.5 mm ID	<b>£8.91</b>

New



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

800

PART NUMBER	TUBING SIZE	METRIC EQ.	PRICE
<b>cPLCD2200406MBLK</b>	1/4" ID	6.4 mm ID	<b>£5.64</b>
<b>cPLCD2200606MBLK</b>	3/8" ID	9.5 mm ID	<b>£5.64</b>

### FEATURES

- Optimised for extreme spill free connection/disconnection
- Excellent flow capacity
- Self aligning
- Panel and thread versions available
- Connection under full working pressure

### APPLICATIONS

Thermal control of data centres, power electronics, broadcasting transmitters, medical imaging, hybrid/electric industrial vehicles, renewable energy solutions and all other electronic equipment using DLC technology.

### SPECIFICATIONS

Nominal flow diameter	5 mm (3/16")
Maximum working pressure	10 bar (145 psi)
Minimum burst pressure	40 bar (580 psi)
Connection under pressure	10 bar (145 psi)
Temperature range	-30°C to +100°C (-22°F to +212°F)
Material coupling	Surface treated aluminium alloy
Material nipple	Surface treated aluminium alloy
Material seal	NBR low temp -40°C to +80°C (-40°F to + 176°F) or EPDM -30°C to +100°C (-22°F to +212°F)

### FEATURES

- High flow, drip free coupling series
- Blind mate connection
- Durable and robust to withstand long periods of connection

### APPLICATIONS

Thermal control of data centres, power electronics, broadcasting transmitters, medical imaging, hybrid/electric industrial vehicles, renewable energy solutions and other electronic equipment using DLC technology.

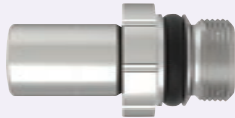
### SPECIFICATIONS

Nominal flow diameter	19 mm (3/4")
Water flow (double shut-off)	221.6 l/min (48.8 GPM UK)
Maximum working pressure	20 bar (290 psi)
Minimum burst pressure	80 bar (1160 psi)
Temperature range	-20°C to +150°C (-4°F to +302°F)
Material coupling	Nickel plated brass
Material nipple	Nickel plated brass
Kv (double shut-off)	13.3
Cv (double shut-off)	15.37

## COUPLINGS

New

### SERIES DLC3 STAINLESS STEEL M11 x 1



322

PART NUMBER	CONNECTION	PRICE
C101501540	NBR DN3	POA
C101501544	EPDM DN3	POA

## NIPPLES

New

### SERIES DLC3 STAINLESS STEEL NIPPLE M11 X 1



322

PART NUMBER	CONNECTION	PRICE
C101506540	NBR DN3	POA
C101506544	EPDM DN3	POA

New

### SERIES DLC5 ALUMINIUM NBR DN5

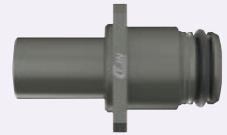


322

PART NUMBER	CONNECTION	PRICE
C101501900	M19 x 1	POA
C101501901	4 x screws (M3)	POA

New

### SERIES DLC5 ALUMINIUM EPDM DN5



322

PART NUMBER	CONNECTION	PRICE
C101506921	M16 x 0.75	POA
C101506922	4 x screws (M3)	POA

New

### SERIES DLC5 ALUMINIUM EPDM DN5



322

PART NUMBER	CONNECTION	PRICE
C101501921	M19 x 1	POA
C101501922	4 x screws (M3)	POA

New

### SERIES DLC5 ALUMINIUM NBR DN5



322

PART NUMBER	CONNECTION	PRICE
C101506900	M16 x 0.75	POA
C101506901	4 x screws (M3)	POA

New

### CEJN SERIES 767 BRASS EPDM



322

PART NUMBER	CONNECTION	PRICE
C107671291	1" BSPP female red code O-ring	POA
C107671293	1" BSPP female blue code O-ring boss	POA

New

### CEJN SERIES 767 BRASS EPDM



322

PART NUMBER	CONNECTION	PRICE
C107676291	1" BSP red code female O-ring boss	POA
C107676293	1" BSP blue code female O-ring boss	POA

### TEE BSPP MALE 60° CONE



8005

PART NUMBER	MALE	PRICE
PKR-Z10B/02	1/8" BSPP	£5.00
PKR-Z10B/04	1/4" BSPP	£5.29
PKR-Z10B/06	3/8" BSPP	£6.21
PKR-Z10B/08	1/2" BSPP	£9.60
PKR-Z10B/12	3/4" BSPP	£17.34
PKR-Z10B/16	1" BSPP	£21.95

### TEE BSPP SWIVEL FEMALE 60° CONE



8005

PART NUMBER	FEMALE	PRICE
PKR-Z12B/04	1/4" BSPP	£5.20
PKR-Z12B/06	3/8" BSPP	£7.10
PKR-Z12B/08	1/2" BSPP	£10.50
PKR-Z12B/12	3/4" BSPP	£17.75
PKR-Z12B/16	1" BSPP	£23.80

### 90° COMPACT ELBOW BSPP MALE / BSPP FEMALE 60° CONE



8005

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
PKR-X11B/04	1/4" BSPP	1/4" BSPP	£3.49
PKR-X11B/06	3/8" BSPP	3/8" BSPP	£4.93
PKR-X11B/08	1/2" BSPP	1/2" BSPP	£6.59
PKR-X11B/12	3/4" BSPP	3/4" BSPP	£9.54
PKR-X11B/16	1" BSPP	1" BSPP	£15.50

### SOLID PLUG JIC MALE 74° CONE



8005

PART NUMBER	MALE	PRICE
PKR-4J/04	7/16" JIC	£0.83
PKR-4J/06	9/16" JIC	£1.09
PKR-4J/08	3/4" JIC	£1.67
PKR-4J/12	1 1/16" JIC	£2.44
PKR-4J/16	1 5/16" JIC	£3.80

### PLUG BSPP MALE 60° CONE



8005

PART NUMBER	MALE	PRICE
PKR-4B/02	1/8" BSPP	£0.83
PKR-4B/04	1/4" BSPP	£0.83
PKR-4B/06	3/8" BSPP	£1.08
PKR-4B/08	1/2" BSPP	£1.67
PKR-4B/12	3/4" BSPP	£2.44
PKR-4B/16	1" BSPP	£4.22

### BLANKING CAP BSPP SWIVEL FEMALE 60° CONE



8005

PART NUMBER	FEMALE	PRICE
PKR-CB/02	1/8" BSPP	£1.25
PKR-CB/04	1/4" BSPP	£1.25
PKR-CB/06	3/8" BSPP	£1.53
PKR-CB/08	1/2" BSPP	£2.08
PKR-CB/12	3/4" BSPP	£2.91
PKR-CB/16	1" BSPP	£4.78

## SWIVEL JOINTS

### FEATURES

Mounted between a hose assembly and a rigid component in order to allow and compensate for occasional rotations, preventing hose damage. The swivel joints in-line and 90° are not eligible for fast and continuous rotation but only for angular displacement.



### 90° HYDRAULIC SWIVEL JOINT MALE / FEMALE BSPP

8065

PART NUMBER	THREAD	MAX. PRESSURE (BAR)	MAX. ROTATION PRESSURE	PRICE
D-GG90-1/4	1/4" BSPP	400	200	£47.22
D-GG90-3/8	3/8" BSPP	400	200	£52.55
D-GG90-1/2	1/2" BSPP	300	150	£63.04
D-GG90-3/4	3/4" BSPP	300	150	£108.55
D-GG90-1	1" BSPP	300	100	£143.89
D-GG90-11/4	1 1/4" BSPP	300	100	£282.94
D-GG90-11/2	1 1/2" BSPP	300	80	£431.04
D-GG90-2	2" BSPP	250	50	£604.92

New



### STRAIGHT HYDRAULIC SWIVEL JOINT MALE / FEMALE BSPP

8065

PART NUMBER	THREAD	MAX. PRESSURE (BAR)	MAX. ROTATION PRESSURE	PRICE
D-GGL-1/4	1/4" BSPP	400	200	£42.02
D-GGL-3/8	3/8" BSPP	400	200	£45.10
D-GGL-1/2	1/2" BSPP	300	150	£52.64
D-GGL-3/4	3/4" BSPP	300	150	£85.87
D-GGL-1	1" BSPP	300	100	£113.73
D-GGL-11/4	1 1/4" BSPP	300	100	£185.51
D-GGL-11/2	1 1/2" BSPP	300	80	£282.43
D-GGL-2	2" BSPP	250	50	£458.73

New

## ABSORBENCY TYPES

**Oil only** absorbents are best used outdoors to recover just oil based spills, such as petroleum, diesel and solvents (technically referred to as hydrophobic). White in colour and absorbing just oil based fluids.

**Maintenance** absorbents are grey in colour and are also sometimes referred to as Universal. If the spill has occurred indoors, use a grey product to absorb oil and water based substances.

**Chemical** absorbents are manufactured with high visibility yellow pigment added. This really is the only choice when dealing with aggressive or unknown chemical spills. Can be used indoors or outdoors.

## PADS

### FEATURES

Primarily designed to cover large areas and walk ways, split rolls are half the width of full rolls.

**New**

### ROLL BONDED 1 BOX



9130

PART NUMBER	SIZE (CM)	GSM	COLOUR	PRICE
SK-286MBGRB-B	76 x 46	286	Grey	£126.00
SK-286MBWRB-B	76 x 46	286	White	£119.76

**New**

### SPLIT ROLL BONDED 1 BOX



9130

PART NUMBER	SIZE (CM)	GSM	COLOUR	PRICE
SK-286MBGSRB-B	38 x 46	286	Grey	£65.04
SK-286MBWSRB-B	38 x 46	286	White	£61.92

### FEATURES

Strength, durability, absorbency and performance, sonic bonding lowers lint and increases strength. Made by blowing the desired weight in one go and then passing the absorbent through sonic heads which bond the fibres together at small points.

**New**

### PADS BONDED



9130

PART NUMBER	SIZE (CM)	PADS PER BOX	GSM	COLOUR	PRICE
SK-165XMBWBPB-B	40 x 50	200	165	White	£80.48
SK-286XMBWBPB-B	40 x 50	100	286	White	£70.28
SK-165XMBGPPB-B	40 x 50	200	165	Grey	£84.60
SK-286XMBGPPB-B	40 x 50	100	286	Grey	£73.92

## PILLOWS

**New**

### MAINTENANCE PILLOWS GREY



9130

PART NUMBER	SIZE (CM)	PILLOWS PER BOX	PRICE
SK-25GPILL2338	23 x 38	25	£90.92
SK-10GPILL4050	40 x 50	10	£71.40

**New**

### OIL ONLY PILLOWS WHITE



9130

PART NUMBER	SIZE (CM)	PILLOWS PER BOX	PRICE
SK-25WPILL2338	23 x 38	25	£90.92
SK-10WPILL4050	40 x 50	10	£71.40

## SOCKS

### FEATURES

8 cm diameter absorbents and available in different lengths. Most socks are used around equipment in indoor environments.

**New**

### SB SOCKS OIL ONLY



9130

PART NUMBER	SIZE (CM)	SOCKS PER BOX	PRICE
SK-20WS8120-SB	8 x 120	20	£66.36
SK-8WS8300-SB	8 x 300	8	£66.36

**New**

### MAINTENANCE SB FLAKE SOCKS GREY



9130

PART NUMBER	SIZE (CM)	SOCKS PER BOX	PRICE
SK-20GS8120-SB	8 x 120	20	£54.40
SK-8GS8300-SB	8 x 300	8	£54.40

## SPILL KITS

### Kit includes

15 litre version	30 litre version
15 pads	25 pads
1 sock	3 socks
2 bags	2 bags
2 ties	2 ties

**New**

### CLIP TOP SPILL KIT MAINTENANCE



9130

PART NUMBER	ABSORBENCY	PRICE
SK-M15C-B	15 litres	£23.08
SK-M30C-B	30 litres	£39.96

**New**

### CLIP TOP SPILL KIT OIL ONLY



9130

PART NUMBER	ABSORBENCY	PRICE
SK-O15C-B	15 litres	£23.08
SK-O30C-B	30 litres	£39.96



All products made in the UK.

Pillows and socks feature some recycled content.





**FEATURES**

All plug types are reusable and for use in non-pressurised systems. No tools needed. Plugs offer an environmental and material protection system, preventing oil and chemical spills and leakages. Food safe plugs are produced from FDA approved material.

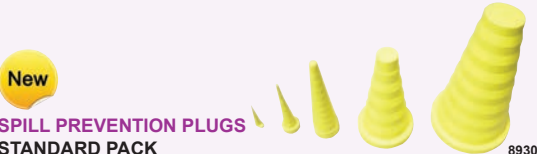
**APPLICATIONS**

Multiple usage in applications such as any hydraulic maintenance, heavy industry, offshore, forestry, construction, lifting, shipping, demolition, military, transportation, automotive, motorcycles, etc. The original rubber compound is silicone free and highly resistant to many chemicals, acids and other aggressive fluids.

Food safe is to be used where mediums like food, drinks and pharmaceuticals are involved. For use in commercial and industrial areas, including: restaurants, dairies, breweries, bakeries, chemical factories.

**SPECIFICATIONS**

Temperature range	-25°C to +90°C (-15°F to +195°F)
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**SPILL PREVENTION PLUGS STANDARD PACK**

PART NUMBER	SIZE	QTY PER BOX	PRICE
<b>YELLOC-10STD</b>	5 mm – 22 mm	10	£39.00

**MICRO PACK**

<b>YELLOC-20MICRO</b>	1 mm – 10 mm	20	£39.00
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**XL**

<b>YELLOC-4XL</b>	13 mm – 42 mm	4	£39.00
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**MIXED PACK**

<b>YELLOC-10MIX</b>	1 mm – 42 mm	10	£39.00
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**SPILL PREVENTION PLUGS STANDARD PACK – FOOD SAFE**

PART NUMBER	SIZE	QTY PER BOX	PRICE
<b>YELLOC-10STD-FQ</b>	5 mm – 22 mm	10	£45.00

**MICRO PACK – FOOD SAFE**

<b>YELLOC-20MICRO-FQ</b>	1 mm – 10 mm	20	£45.00
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**XL – FOOD SAFE**

<b>YELLOC-4XL-FQ</b>	13 mm – 42 mm	4	£45.00
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**MIXED PACK – FOOD SAFE**

<b>YELLOC-10MIX-FQ</b>	1 mm – 42 mm	10	£45.00
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**New**

**INDUSTRIAL SPILL CONTROL PLUGS**

8930

PART NUMBER	SIZE	PRICE
<b>YELLOC-IND35-80</b>	35 mm – 80 mm	£42.00
<b>YELLOC-IND60-130</b>	60 mm – 130 mm	£58.00

**FEATURES**

Hose supplied complete with end cuffs

**SPECIFICATIONS**

Construction	Oil abrasion ozone and weather resistant synthetic rubber
Temperature range	-35°C to +150°C
Rated Pressure	4000 psi (250 bar)

**New**

**1 WIRE PRESSURE WASHER HOSE ASSEMBLY – 10 M**

3/8" BSPP FEMALE X 3/8" BSPP FEMALE



1620

**New**

**2 WIRE PRESSURE WASHER HOSE ASSEMBLY – 10 M**

3/8" BSPP FEMALE X 3/8" BSPP FEMALE



1620

PART NUMBER	mm	ins		bar	PRICE
PW-JH00820	6.3	1/4	Black	210	£59.40
PW-JH00400	8.0	5/16	Black	210	£48.00
PW-JH00511	10.0	3/8	Black	210	£54.80
PW-JH00730	10.0	3/8	Blue	210	£57.00

PART NUMBER	mm	ins		bar	PRICE
PW-JH00460	6.3	1/4	Black	400	£57.20
PW-JH00570	8.0	5/16	Black	400	£66.00
PW-JH00760	10.0	3/8	Black	400	£69.20
PW-JH00860	10.0	3/8	Blue	400	£70.80

**3/8" BSPT MALE X 3/8" BSPP FEMALE**

PW-JH00405	6.3	1/4	Black	210	£48.00
PW-JH00516	8.0	5/16	Black	210	£52.60
PW-JH00740	10.0	3/8	Black	210	£57.00
PW-JH00830	10.0	3/8	Blue	210	£59.80

**3/8" BSPT MALE X 3/8" BSPP FEMALE**

PW-JH00575	8.0	5/16	Black	400	£66.00
PW-JH00770	10.0	3/8	Black	400	£69.20
PW-JH00873	10.0	3/8	Blue	400	£71.60

**3/8" BSPT MALE X 3/8" BSPP MALE**

PW-JH00735	10.0	3/8	Black	210	£57.00
PW-JH00825	10.0	3/8	Blue	210	£60.00

**3/8" BSPT MALE X 3/8" BSPP MALE**

PW-JH00765	10.0	3/8	Black	400	£69.20
PW-JH00865	10.0	3/8	Blue	400	£71.60

**22 MM FEMALE X 3/8" BSPP FEMALE**

PW-JH00425	6.3	1/4	Black	210	£52.40
PW-JH00527	8.0	5/16	Black	210	£58.00
PW-JH00750	10.0	3/8	Black	210	£59.40
PW-JH00840	10.0	3/8	Blue	210	£63.80

**22 MM FEMALE X 3/8" BSPP FEMALE**

PW-JH00585	8.0	5/16	Black	400	£68.40
PW-JH00780	10.0	3/8	Black	400	£72.00
PW-JH00883	10.0	3/8	Blue	400	£74.40

**22 MM FEMALE X 3/8" BSPP MALE**

PW-JH00420	6.3	1/4	Black	210	£53.60
PW-JH00521	8.0	5/16	Black	210	£58.00
PW-JH00745	10.0	3/8	Black	210	£59.40
PW-JH00835	10.0	3/8	Blue	210	£63.92

**22 MM FEMALE X 3/8" BSPP MALE**

PW-JH00580	8.0	5/16	Black	400	£68.40
PW-JH00775	10.0	3/8	Black	400	£72.00
PW-JH00878	10.0	3/8	Blue	400	£74.40

**22 MM FEMALE X 22 MM FEMALE**

PW-JH00430	6.3	1/4	Black	210	£54.80
PW-JH00532	8.0	5/16	Black	210	£59.84
PW-JH00755	10.0	3/8	Black	210	£62.00
PW-JH00845	10.0	3/8	Blue	210	£66.20

**22 MM FEMALE X 22 MM FEMALE**

PW-JH00465	6.3	1/4	Black	210	£62.60
PW-JH00590	8.0	5/16	Black	210	£70.80
PW-JH00785	10.0	3/8	Black	210	£74.80
PW-JH00888	10.0	3/8	Blue	210	£77.80

**New**

**BLUE END CUFFS**

FOR USE ON 1 OR 2 WIRE HOSE



1620

PART NUMBER	DESCRIPTION	PRICE
PW-JHG04BLU	Blue end cuff for 1/4" hose	£1.80
PW-JHG05BLU	Blue end cuff for 5/16" hose	£2.00
PW-JHG06BLU	Blue end cuff 3/8" hose	£2.40

**New**

**BLACK END CUFFS**

FOR USE ON 1 OR 2 WIRE HOSE



1620

PART NUMBER	DESCRIPTION	PRICE
PW-JHG04BLK	Black end cuff for 1/4" hose	£1.80
PW-JHG05BLK	Black end cuff for 5/16" hose	£2.00
PW-JHG06BLK	Black end cuff for 3/8" hose	£2.32



New

COMPLETE LANCE AND TRIGGERS

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JL00145	Fixed gun trigger & lance 900 mm 1/4" meg nozzle	£66.40
PW-JL00155	Swivel gun trigger & lance 900 mm 1/4" meg nozzle	£81.60



New

TRIGGER ASSEMBLY

1620

PART NUMBER	INLET	OUTLET	WORKING PRESSURE	FITTING	PRICE
PW-JT00120	3/8" BSPF	1/4" BSP	275 bar 45 l/min	Fixed standard	£39.00
PW-JT00118	3/8" BSPF	1/4" BSP	276 bar 45 l/min	Swivel	£53.20
PW-JT00122	3/8" BSPM	1/4" BSP	255 bar 30 l/min	Fixed	£44.00



New

LANCES

ZINC PLATED LANCE & NOZZLE PROTECTOR

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JL00141	Mould grip angled 900 mm 3 part protector	£18.80
PW-JL00150	Mould grip angled 1200 mm 3 part protector	£28.60



New

TWIN LANCE AND SIDE HANDLE

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JL00144	Twin lance with side handle 1050 mm	£84.60



New

LANCE HANDLE

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JL00153	Lance handle	£19.20



New

LANCE NOZZLE PROTECTOR

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JL001575	3 part front lance nozzle protector	£5.40



New

GUN INSERTS

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JSW204	1/4" HT SW2 1 washer gun insert	£6.00
PW-JSW205	5/16" HT SW2 1 washer gun insert	£6.00
PW-JSW504	1/4" HT SW5 3 washer gun insert	£6.00
PW-JSW505	5/16" HT SW5 3 washer gun insert	£6.00



New

GUN QUICK RELEASE SYSTEM

FOR PRESSURE WASHER HOSE ASSEMBLIES

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JA01570	Quick release spiggot	£19.40
PW-JA01571	Quick release coupling	£19.20



New

HIGH & LOW PRESSURE SWIVEL GUN ATTACHMENTS

100 – 600 BAR RATED

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JA01125	3/8" M x 3/8" F brass swivel connector	£12.00



New

METRIC ATTACHMENT JET WASH ADAPTORS FOR PRESSURE WASHER HOSE ASSEMBLIES

1620

PART NUMBER	DESCRIPTION	PRICE
PW-HFMK2204	DN6 M22 x 1.5 x 1/4 jet wash hose tail	£6.40
PW-HFMK2205	DN8 M22 x 1.5 x 5/16 jet wash hose tail	£6.40
PW-HFMK2206	DN10 M22 x 1.5 x 3/8 jet wash hose tail	£6.40

New



**PRESSURE WASHER ADAPTORS**

PART NUMBER	DESCRIPTION	PRICE
PW-JC02000	22 mm male x 1/4" BSP male brass adaptor	£4.00
PW-JC02001	22 mm male x 1/4" BSP female brass adaptor	£4.00
PW-JC02002	22 mm male x 3/8" BSP male brass adaptor	£4.00
PW-JC02003	22 mm male x 3/8" BSP female brass adaptor	£4.00
PW-JC02004	22 mm male x 22 mm BSP male brass adaptor	£4.00
PW-JC2005	22 mm female coupling x 1/4" BSPP female	£8.40
PW-JC2006	22 mm female coupling x 1/4" BSP male	£8.40
PW-JC2007	22 mm female coupling x 3/8" BSPP female	£8.40
PW-JC2008	22 mm female coupling x 3/8" BSP male	£8.40

New



**CAR WASH NOZZLE 1/4" MEG NOZZLE**

PART NUMBER	DESCRIPTION	PRICE
PW-JN00267	Car wash low pressure chemical nozzle	£8.40

New



**REPLACEMENT NOZZLES STAINLESS STEEL 1/4" NPT MALE 316 L SPRAY NOZZLE**

PART NUMBER	DEGREE	SIZE	PRICE
PW-JN00240	0°	03	£8.40
PW-JN00241	0°	035	£8.40
PW-JN00242	0°	04	£8.40
PW-JN00243	0°	045	£8.40
PW-JN00244	0°	05	£8.40
PW-JN00245	0°	055	£8.40
PW-JN00246	0°	06	£8.40
PW-JN00247	0°	065	£8.40
PW-JN00248	0°	07	£8.40
PW-JN00249	15°	03	£8.40
PW-JN00250	15°	035	£8.40
PW-JN00251	15°	04	£8.40
PW-JN00253	15°	045	£8.40
PW-JN00254	15°	055	£8.40
PW-JN00255	15°	06	£8.40
PW-JN00256	15°	065	£8.40
PW-JN00257	15°	07	£8.40
PW-JN00258	25°	03	£8.40
PW-JN00259	25°	035	£8.40
PW-JN00260	25°	04	£8.40
PW-JN00261	25°	045	£8.40
PW-JN00262	25°	05	£8.40
PW-JN00263	25°	055	£8.40
PW-JN00264	25°	06	£8.40
PW-JN00265	25°	065	£8.40
PW-JN00266	25°	07	£8.40

New



**NOZZLE HOLDERS WITH/WITHOUT PROTECTORS**

PART NUMBER	DESCRIPTION	PRICE
PW-JN00270	Double rollover adjustable nozzle holder	£33.20
PW-JN00272	Double rollover adjustable nozzle holder with protection	£34.00
PW-JN00271	TR1 adjustable nozzle holder	£21.00

New



**WATER QRC LOW PRESSURE SINGLE ITEMS**

PART NUMBER	DESCRIPTION	PRICE
PW-JA01725	12 – 15 mm quick hose coupling half	£18.40
PW-JA01726	16 – 19 mm quick hose coupling half	£21.60
PW-JA01727	1/2" BSPP female plug half tap connector brass	£8.60
PW-JA01728	3/4" BSPP female plug half tap connector brass	£8.60

New



**BOOMS**

PART NUMBER	DESCRIPTION	PRICE
PW-JA01503	1980 mm ceiling boom 360° rotating	£1540.00
PW-JA01504	1630 mm wall mounted boom 180° rotating	£1656.00

New



**BRASS CHEMICAL NOZZLE 1/4" MEG**

PART NUMBER	DESCRIPTION	PRICE
PW-JN00268	Car wash brass gun nozzle	£8.40

## SF SERIES

### DESCRIPTION

SF series ISO21287 standard compact pneumatic cylinder, bore size ranges from 20 – 100 mm. Stronger self-lubricating bronze bearings give high guiding performance and concentricity for the compact cylinder, while piston rod and rod connection is designed with rotary riveting structure, ensuring high concentricity, smooth running and low starting pressure.

The compact cylinder is designed with slots for magnetic switches in 4 sides, while various mountings are available. Rear cap and cylinder body are riveted together with superior assembling reliability, while front cap and barrel are connected by buckle for easier maintenance.

### SPECIFICATIONS

Cylinder type	Double acting, magnetic positioning
Max. working pressure	10 bar
Operating temperature	-20°C to +80°C (dry air)
Available bore size	ø20 – 100 mm
Available stroke length	10 – 50 mm
Cushion type	Rubber

### FEATURES / BENEFITS

ISO21287 standard cylinder  
 Compact structure, 50% space saving compared to ISO15552 standard pneumatic cylinders  
 Double-ended cushion gasket, provides smooth reversing, less impact and mechanical damage  
 Rotary riveted piston rod and rod connection, offering high concentricity  
 Riveted rear cover and body for reliability

Six

New



SF SERIES  
20 BORE

3620

PART NUMBER	BORE	STROKE	PRICE
EM-SF20X10-S	20 mm	10 mm	£17.70
EM-SF20X15-S	20 mm	15 mm	£18.24
EM-SF20X20-S	20 mm	20 mm	£18.75
EM-SF20X25-S	20 mm	25 mm	£19.29
EM-SF20X30-S	20 mm	30 mm	£19.83
EM-SF20X40-S	20 mm	40 mm	£20.88
EM-SF20X50-S	20 mm	50 mm	£21.93

25 BORE

EM-SF25X10-S	25 mm	10 mm	£20.58
EM-SF25X15-S	25 mm	15 mm	£21.18
EM-SF25X20-S	25 mm	20 mm	£21.81
EM-SF25X25-S	25 mm	25 mm	£22.41
EM-SF25X30-S	25 mm	30 mm	£23.01
EM-SF25X40-S	25 mm	40 mm	£24.24
EM-SF25X50-S	25 mm	50 mm	£25.44

32 BORE

EM-SF32X10-S	32 mm	10 mm	£22.17
EM-SF32X15-S	32 mm	15 mm	£22.71
EM-SF32X20-S	32 mm	20 mm	£23.22
EM-SF32X25-S	32 mm	25 mm	£23.76
EM-SF32X30-S	32 mm	30 mm	£24.27
EM-SF32X40-S	32 mm	40 mm	£25.32
EM-SF32X50-S	32 mm	50 mm	£26.40

New

40 BORE

PART NUMBER	BORE	STROKE	PRICE
EM-SF40X10-S	40 mm	10 mm	£23.58
EM-SF40X15-S	40 mm	15 mm	£24.18
EM-SF40X20-S	40 mm	20 mm	£24.78
EM-SF40X25-S	40 mm	25 mm	£25.41
EM-SF40X30-S	40 mm	30 mm	£26.01
EM-SF40X40-S	40 mm	40 mm	£27.24
EM-SF40X50-S	40 mm	50 mm	£28.44

50 BORE

EM-SF50X10-S	50 mm	10 mm	£28.41
EM-SF50X15-S	50 mm	15 mm	£29.16
EM-SF50X20-S	50 mm	20 mm	£29.91
EM-SF50X25-S	50 mm	25 mm	£30.66
EM-SF50X30-S	50 mm	30 mm	£31.41
EM-SF50X40-S	50 mm	40 mm	£32.88
EM-SF50X50-S	50 mm	50 mm	£34.38

63 BORE

EM-SF63X10-S	63 mm	10 mm	£35.34
EM-SF63X15-S	63 mm	15 mm	£36.30
EM-SF63X20-S	63 mm	20 mm	£37.23
EM-SF63X25-S	63 mm	25 mm	£38.16
EM-SF63X30-S	63 mm	30 mm	£39.12
EM-SF63X40-S	63 mm	40 mm	£41.01
EM-SF63X50-S	63 mm	50 mm	£42.87



For Speed Controllers  
see pages 562-565

## RV SERIES

### SPECIFICATIONS

Working medium	Clean air
Working pressure	1.5 – 8 bar
Guaranteed pressure	12 bar
Working temperature	-20°C to +70°C (dry air)
Valve type	3/2, 5/2 and 5/3
Acting type	Internal pilot / external pilot type

New

### RV SERIES PILOT VALVE 3/2 SINGLE PILOT NORMALLY CLOSED SPRING RETURN



3630

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RVA3211-06Q	3/2	18 mm	1/8"	£33.85
EM-RVA3221-08Q	3/2	22 mm	1/4"	£32.17
EM-RVA3231-10	3/2	27 mm	3/8"	£39.53
EM-RVA3241-15	3/2	22 mm	1/2"	£63.49

\* Air return available for products ending in Q

New

### RV SERIES PILOT VALVE 5/3 DOUBLE PILOT CENTRE CLOSED



3630

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RVA5212C-06	5/3	18 mm	1/8"	£73.26
EM-RVA5222C-08	5/3	22 mm	1/4"	£61.19
EM-RVA5332C-10	5/3	27 mm	3/8"	£88.40
EM-RVA5242C-15	5/3	34 mm	1/2"	£102.03

New

### RV SERIES PILOT VALVE 3/2 DOUBLE PILOT NORMALLY CLOSED



3630

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RVA3212-06Q	3/2	18 mm	1/8"	£45.45
EM-RVA3222-08Q	3/2	22 mm	1/4"	£46.78
EM-RVA3232-10	3/2	27 mm	3/8"	£55.51
EM-RVA3242-15	3/2	34 mm	1/2"	£84.57

\* Air return available for products ending in Q

New

### RV SERIES PILOT VALVE 5/3 DOUBLE PILOT PRESSURED CENTRE



3630

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RVA5212P-06	5/3	18 mm	1/8"	£73.26
EM-RVA5222P-08	5/3	22 mm	1/4"	£61.19
EM-RVA5332P-10	5/3	27 mm	3/8"	£88.40
EM-RVA5242P-15	5/3	34 mm	1/2"	£102.03

New

### RV SERIES PILOT VALVE 5/2 SINGLE PILOT SPRING RETURN



3630

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RVA5211-06Q	5/2	18 mm	1/8"	£32.28
EM-RVA5221-08Q	5/2	22 mm	1/4"	£30.69
EM-RVA5231-10	5/2	27 mm	3/8"	£37.62
EM-RVA5241-15	5/2	34 mm	1/2"	£60.44

\* Air return available for products ending in Q

New

### RV SERIES PILOT VALVE 5/3 DOUBLE PILOT CENTRE EXHAUST



3630

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RVA5212E-06	5/3	18 mm	1/8"	£73.26
EM-RVA5222E-08	5/3	22 mm	1/4"	£61.19
EM-RVA5332E-10	5/3	27 mm	3/8"	£88.40
EM-RVA5242E-15	5/3	34 mm	1/2"	£102.03

New

### RV SERIES PILOT VALVE 5/2 DOUBLE PILOT



3630

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RVA5212-06	5/2	18 mm	1/8"	£45.45
EM-RVA5222-08	5/2	22 mm	1/4"	£44.58
EM-RVA5232-10	5/2	27 mm	3/8"	£52.87
EM-RVA5242-15	5/2	34 mm	1/2"	£86.40

For Manifolds  
see page 321



## RV SERIES

### SPECIFICATIONS

Working medium	Clean air
Working pressure	1.5 – 8 bar
Guaranteed pressure	12 bar
Working temperature	-20°C to +70°C (dry air)
Valve type	3/2, 5/2 and 5/3
Acting type	Pilot type

New

### RV SERIES

#### 3/2 SINGLE SOLENOID NORMALLY CLOSED SPRING RETURN



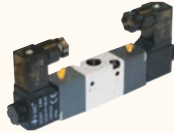
3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	VOLTAGE	PRICE
EM-RV3211-06Q-E4	3/2	18 mm	1/8"	24 V DC	£45.63
EM-RV3211-06Q-E1	3/2	18 mm	1/8"	110 V AC	£45.63
EM-RV3211-06Q-E2	3/2	18 mm	1/8"	220 V AC	£45.63
EM-RV3221-08Q-E4	3/2	22 mm	1/4"	24 V DC	£39.26
EM-RV3221-08Q-E1	3/2	22 mm	1/4"	110 V AC	£39.26
EM-RV3221-08Q-E2	3/2	22 mm	1/4"	220 V AC	£39.26
EM-RV3241-15-E4	3/2	34 mm	1/2"	24 V DC	£91.08
EM-RV3241-15-E1	3/2	34 mm	1/2"	110 V AC	£91.08
EM-RV3241-15-E2	3/2	34 mm	1/2"	220 V AC	£91.08

New

### RV SERIES

#### 3/2 DOUBLE SOLENOID NORMALLY CLOSED



3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	VOLTAGE	PRICE
EM-RV3212-06-E4	3/2	18 mm	1/8"	24 V DC	£75.31
EM-RV3212-06-E1	3/2	18 mm	1/8"	110 V AC	£75.31
EM-RV3212-06-E2	3/2	18 mm	1/8"	220 V AC	£75.31
EM-RV3222-08-E4	3/2	22 mm	1/4"	24 V DC	£68.87
EM-RV3222-08-E1	3/2	22 mm	1/4"	110 V AC	£68.87
EM-RV3222-08-E2	3/2	22 mm	1/4"	220 V AC	£68.87
EM-RV3242-15-E4	3/2	34 mm	1/2"	24 V DC	£131.06
EM-RV3242-15-E1	3/2	34 mm	1/2"	110 V AC	£131.06
EM-RV3242-15-E2	3/2	34 mm	1/2"	220 V AC	£131.06

New

### RV SERIES

#### 5/2 SINGLE SOLENOID SPRING RETURN



3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	VOLTAGE	PRICE
EM-RV5211-06Q-E4	5/2	18 mm	1/8"	24 V DC	£42.92
EM-RV5211-06Q-E1	5/2	18 mm	1/8"	110 V AC	£42.92
EM-RV5211-06Q-E2	5/2	18 mm	1/8"	220 V AC	£42.92
EM-RV5221-08Q-E4	5/2	22 mm	1/4"	24 V DC	£36.90
EM-RV5221-08Q-E1	5/2	22 mm	1/4"	110 V AC	£36.90
EM-RV5221-08Q-E2	5/2	22 mm	1/4"	220 V AC	£36.90
EM-RV5241-15-E4	5/2	34 mm	1/2"	24 V DC	£91.08
EM-RV5241-15-E1	5/2	34 mm	1/2"	110 V AC	£91.08
EM-RV5241-15-E2	5/2	34 mm	1/2"	220 V AC	£91.08

New

### RV SERIES

#### 5/2 DOUBLE SOLENOID



3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	VOLTAGE	PRICE
EM-RV5212-06-E4	5/2	18 mm	1/8"	24 V DC	£75.31
EM-RV5212-06-E1	5/2	18 mm	1/8"	110 V AC	£75.31
EM-RV5212-06-E2	5/2	18 mm	1/8"	220 V AC	£75.31
EM-RV5222-08-E4	5/2	22 mm	1/4"	24 V DC	£68.87
EM-RV5222-08-E1	5/2	22 mm	1/4"	110 V AC	£68.87
EM-RV5222-08-E2	5/2	22 mm	1/4"	220 V AC	£68.87
EM-RV5242-15-E4	5/2	34 mm	1/2"	24 V DC	£131.06
EM-RV5242-15-E1	5/2	34 mm	1/2"	110 V AC	£131.06
EM-RV5242-15-E2	5/2	34 mm	1/2"	220 V AC	£131.06

New

### RV SERIES

#### 5/3 DOUBLE SOLENOID CENTRE CLOSED



3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	VOLTAGE	PRICE
EM-RV5312C-06-E4	5/3	18 mm	1/8"	24 V DC	£104.04
EM-RV5312C-06-E1	5/3	18 mm	1/8"	110 V AC	£104.04
EM-RV5312C-06-E2	5/3	18 mm	1/8"	220 V AC	£104.04
EM-RV5322C-08-E4	5/3	22 mm	1/4"	24 V DC	£100.23
EM-RV5322C-08-E1	5/3	22 mm	1/4"	110 V AC	£100.23
EM-RV5322C-08-E2	5/3	22 mm	1/4"	220 V AC	£100.23
EM-RV5342C-15-E4	5/3	34 mm	1/2"	24 V DC	£166.96
EM-RV5342C-15-E1	5/3	34 mm	1/2"	110 V AC	£166.96
EM-RV5342C-15-E2	5/3	34 mm	1/2"	220 V AC	£166.96

New

### RV SERIES

#### 5/3 DOUBLE SOLENOID PRESSURED CENTRES



3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	VOLTAGE	PRICE
EM-RV5312P-06-E4	5/3	18 mm	1/8"	24 V DC	£107.64
EM-RV5312P-06-E1	5/3	18 mm	1/8"	110 V AC	£107.64
EM-RV5312P-06-E2	5/3	18 mm	1/8"	220 V AC	£107.64
EM-RV5322P-08-E4	5/3	22 mm	1/4"	24 V DC	£100.23
EM-RV5322P-08-E1	5/3	22 mm	1/4"	110 V AC	£100.23
EM-RV5322P-08-E2	5/3	22 mm	1/4"	220 V AC	£100.23
EM-RV5342P-15-E4	5/3	34 mm	1/2"	24 V DC	£166.96
EM-RV5342P-15-E1	5/3	34 mm	1/2"	110 V AC	£166.96
EM-RV5342P-15-E2	5/3	34 mm	1/2"	220 V AC	£166.96

New

### RV SERIES

#### 5/3 DOUBLE SOLENOID CENTRE EXHAUST



3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	VOLTAGE	PRICE
EM-RV5312E-06-E4	5/3	18 mm	1/8"	24 V DC	£107.64
EM-RV5312E-06-E1	5/3	18 mm	1/8"	110 V AC	£107.64
EM-RV5312E-06-E2	5/3	18 mm	1/8"	220 V AC	£107.64
EM-RV5322E-08-E4	5/3	22 mm	1/4"	24 V DC	£100.23
EM-RV5322E-08-E1	5/3	22 mm	1/4"	110 V AC	£100.23
EM-RV5322E-08-E2	5/3	22 mm	1/4"	220 V AC	£100.23
EM-RV5342E-15-E4	5/3	34 mm	1/2"	24 V DC	£166.96
EM-RV5342E-15-E1	5/3	34 mm	1/2"	110 V AC	£166.96
EM-RV5342E-15-E2	5/3	34 mm	1/2"	220 V AC	£166.96

## RV SERIES – BODY ONLY

### SPECIFICATIONS

Working medium	Clean air
Working pressure	1.5 – 8 bar
Guaranteed pressure	12 bar
Working temperature	-20°C to +70°C (dry air)
Valve type	3/2, 5/2 and 5/3
Acting type	Pilot type

New

### RV SERIES 3/2 SINGLE SOLENOID NORMALLY CLOSED



3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RV3211-06Q-WX	3/2	18 mm	1/8"	£40.23
EM-RV3221-08Q-WX	3/2	22 mm	1/4"	£33.83
EM-RV3241-15-WX	3/2	34 mm	1/2"	£85.65

\* Air return available for products ending in Q

New

### RV SERIES 5/3 DOUBLE SOLENOID CENTRE CLOSED



3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RV5312C-06-WX	5/3	18 mm	1/8"	£98.61
EM-RV5322C-08-WX	5/3	22 mm	1/4"	£94.80
EM-RV5342C-15-WX	5/3	34 mm	1/2"	£161.53

New

### RV SERIES 3/2 DOUBLE SOLENOID NORMALLY CLOSED

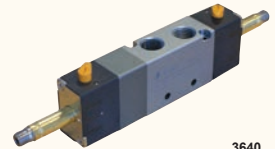


3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RV3212-06-WX	3/2	18 mm	1/8"	£69.88
EM-RV3222-08-WX	3/2	22 mm	1/4"	£63.44
EM-RV3242-15-WX	3/2	34 mm	1/2"	£125.63

New

### RV SERIES 5/3 DOUBLE SOLENOID PRESSURE HELD



3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RV5312P-06-WX	5/3	18 mm	1/8"	£102.21
EM-RV5322P-08-WX	5/3	22 mm	1/4"	£94.80
EM-RV5342P-15-WX	5/3	34 mm	1/2"	£161.53

New

### RV SERIES 5/2 SINGLE SOLENOID



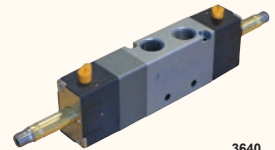
3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RV5211-06Q-WX	5/2	18 mm	1/8"	£40.23
EM-RV5221-08Q-WX	5/2	22 mm	1/4"	£33.83
EM-RV5241-15-WX	5/2	34 mm	1/2"	£85.65

\* Air return available for products ending in Q

New

### RV SERIES 5/3 DOUBLE SOLENOID PRESSURE EXHAUST



3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RV5312E-06-WX	5/3	18 mm	1/8"	£102.21
EM-RV5322E-08-WX	5/3	22 mm	1/4"	£94.80
EM-RV5342E-15-WX	5/3	34 mm	1/2"	£161.53

New

### RV SERIES 5/2 DOUBLE SOLENOID



3640

PART NUMBER	FUNCTION	BODY SIZE	PORT SIZE	PRICE
EM-RV5212-06-WX	5/2	18 mm	1/8"	£69.88
EM-RV5222-08-WX	5/2	22 mm	1/4"	£63.44
EM-RV5242-15-WX	5/2	34 mm	1/2"	£125.63

## VP SERIES SOLENOID VALVES

### VP SERIES (3/2) SINGLE SOLENOID - 24V DC



3640

PART NUMBER	FUNCTION	VALVE BODY	PORT SIZE	PRICE
EM-VP321-06E4	3/2	1/8"	1/8"	£30.08



## MD SERIES

### DESCRIPTION

Offers multi-sector solutions that ensure saving in terms of installation time, space and costs. Easy and quick maintenance. Reduced weight, quick fixing with a wide range of functions and additional air intakes.

### SPECIFICATION

Construction	Modular, compact
Ports	Threaded or integrated with super-rapid fitting for tube with diameter 6, 8 and 10 mm
Mounting	Vertical in-line, wall mounting via support bracket, panel mounting
Operating temperature	-5°C to +50°C up to 16 bar



New

### SERIES MD 5 MICRON GAUGE & BRACKET

2505

PART NUMBER	CONNECTION	PRICE
ZMD1-000028-1/8	1/8"	£110.49
ZMD1-000028-1/4	1/4"	£110.49
ZMD1-000028-3/8	3/8"	£110.49

### 25 MICRON GAUGE & BRACKET

ZMD1-000017-1/8	1/8"	£110.49
ZMD1-000017-1/4	1/4"	£110.49
ZMD1-000017-3/8	3/8"	£110.49

## FILTER / REGULATOR, LUBRICATOR AND ISOLATION VALVE ASSEMBLY

## MD SERIES

### DESCRIPTION

Offers multi-sector solutions that ensure saving in terms of installation time, space and costs. Easy and quick maintenance. Reduced weight, quick fixing with a wide range of functions and additional air intakes.

### SPECIFICATION

Construction	Modular, compact
Ports	Threaded or integrated with super-rapid fitting for tube with diameter 6, 8 and 10 mm
Mounting	Vertical in-line, wall mounting via support bracket, panel mounting
Operating temperature	-5°C to +50°C up to 16 bar



New

### SERIES MD 5 MICRON GAUGE & BRACKET

2505

PART NUMBER	CONNECTION	PRICE
ZMD1-000027-1/8	1/8"	£145.59
ZMD1-000027-1/4	1/4"	£145.59
ZMD1-000027-3/8	3/8"	£145.59

### 25 MICRON GAUGE & BRACKET

ZMD1-000016-1/8	1/8"	£145.59
ZMD1-000016-1/4	1/4"	£145.59
ZMD1-000016-3/8	3/8"	£145.59

For Brass Adaptors  
see pages 372-377,  
604-609, 613-618, 626





**FESTO BLUE STAR RANGE**

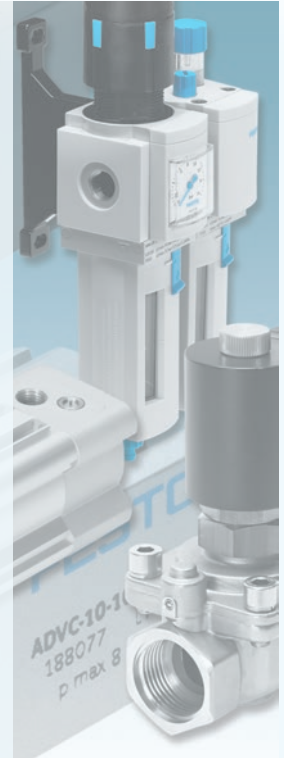
Festo, the leading supplier of automation equipment, now offers more than 2,200 blue star core products for pneumatics, including cylinders, valves, regulators, sensors and accessories, as well as products that meet the specific requirements of process automation. These include solenoid, NAMUR and angle seat valves, positioners, sensor boxes, ball valves and ball valve actuator units, products for air preparation and accessories.

**WHY SO SPECIAL?**

Festo's state of the art production facilities ensure that all of the products highlighted with the blue star are of superb quality at attractive prices, as well as having excellent delivery times, even in high quantities. Great news for machine builders and buyers!

**WHAT TO LOOK FOR**

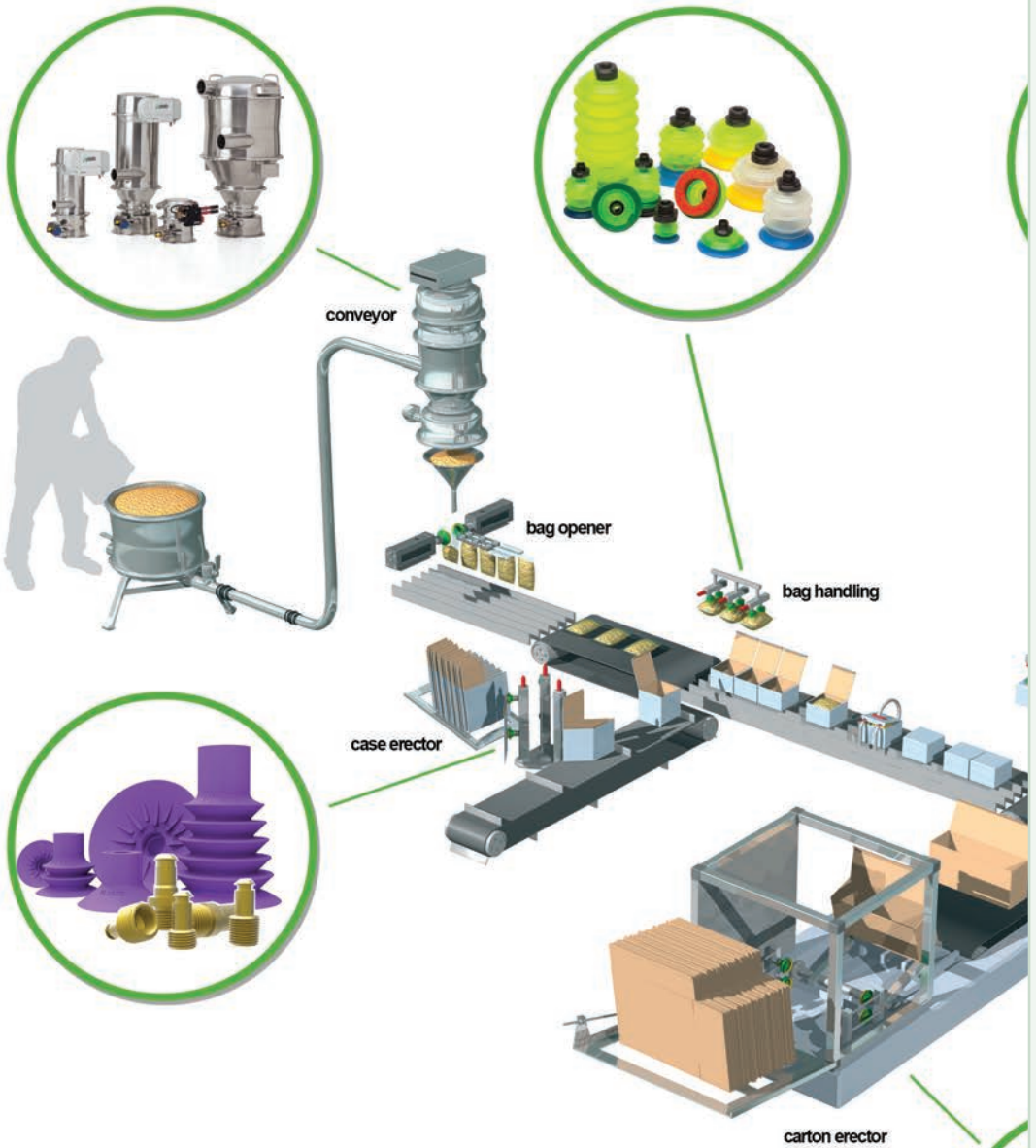
Look for the Blue Star symbol throughout this section of the catalogue.



**PNEUMATIC DRIVE TYPE CODES**

**ADVC - 6 - 5 - A - P - A**

Type		Bore Size		Stroke Size		Piston rod thread		Cushioning		Position sensing	
Code	Description	Code	Description	Code	Description	Code	Description	Code	Description	Code	Description
DSNU	Double acting standard cylinder	6	6 mm	5	5 mm	A	Male thread	P	Flexible cushioning rings / plates at both ends		No position sensing
DSBC	Double acting standard cylinder	8	8 mm	10	10 mm	I	Female thread			A	For proximity sensing
ADVC	Double acting short stroke cylinder	10	10 mm	15	15 mm		Without thread	PPS	Unique pneumatic end position cushioning	N3	Contactless position sensing
ADN	Double acting	12	12 mm	20	20 mm			PPSA	Pneumatic cushioning, self-adjusting at both ends		
		16	16 mm	25	25 mm						
		20	20 mm	30	30 mm						
		25	25 mm	35	35 mm						
		32	32 mm	40	40 mm						
		40	40 mm	50	50 mm						
		50	50 mm	60	60 mm						
		63	63 mm	70	70 mm						
		80	80 mm	80	80 mm						
		100	100 mm	100	100 mm						
		125	125 mm	125	125 mm						
				150	150 mm						
				160	160 mm						
				200	200 mm						
				250	250 mm						
				300	300 mm						
				320	320 mm						
				400	400 mm						
				500	500 mm						



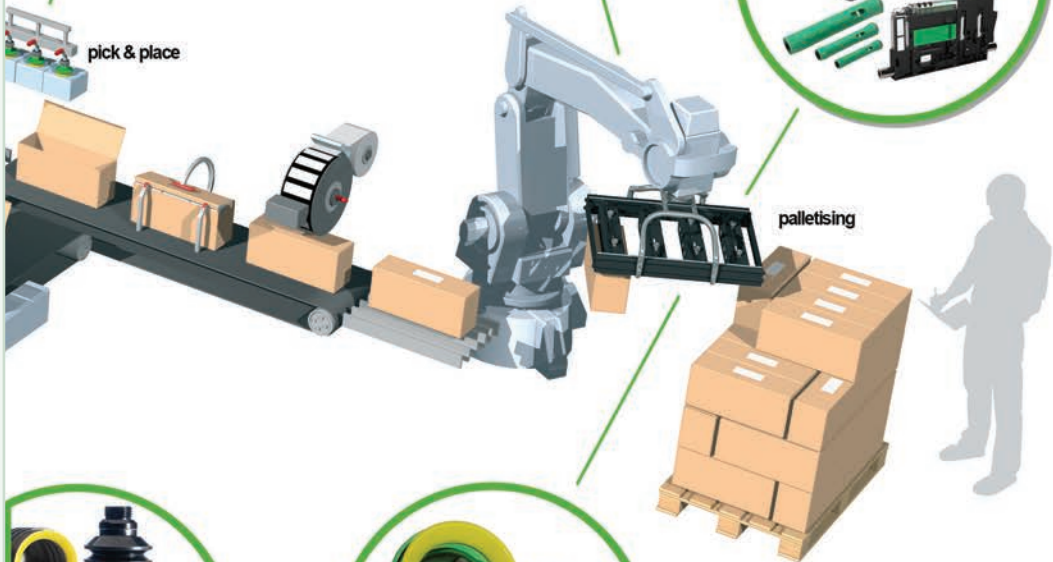
# total system vacuum solutions



# piab



pick & place



palletising



SUITABILITY	FEATURES / BENEFITS
<ul style="list-style-type: none"> <li>Compressed air</li> <li>Water</li> <li>Chemicals</li> <li>Gas</li> </ul>	<ul style="list-style-type: none"> <li>Resistant to a wide range of chemicals</li> <li>Silicone free</li> <li>Cadmium free</li> <li>Good abrasion and kink resistance</li> <li>Ergonomic design</li> <li>High flexibility</li> <li>High resistance to acids and alkalis</li> <li>Low toxicity</li> <li>Lightweight – affording less operator fatigue</li> </ul>
SPECIFICATIONS	
Temperature range	-15°C to +60°C
Pressure rating	Values given are based on the short term burst pressure of PCX hose at 20°C using a 3:1 safety factor. NOTE: Any increase in temperature above 20°C will result in a decline in the working pressure values.
Construction	Flexible PVC inner tube, reinforced with high tensile polyester nylon braid, covered with flexible PVC cover.
Applicable standards	ISO 5774:2008 BS EN ISO 6224:2008



## PCX – BLUE 30 METRE COILS



1350

PART NUMBER	6.0	8.0	10.0	12.0	16.0	19.0	PRICE per coil
PCX06	6.0	1/4	10.5	18	£59.66		
PCX08	8.0	5/16	12.5	15	£72.89		
PCX10	10.0	3/8	14.0	13	£76.17		
PCX12	12.0	1/2	17.0	11	£102.86		
PCX16	16.0	5/8	21.0	11	£201.55		
PCX19	19.0	3/4	24.0	11	£252.94		

## PCX – BLACK 30 METRE COILS



1350

PART NUMBER	6.0	8.0	10.0	12.0	16.0	19.0	PRICE per coil
PCX06BK	6.0	1/4	10.5	18	£59.66		
PCX08BK	8.0	5/16	12.5	15	£72.89		
PCX10BK	10.0	3/8	14.0	13	£76.17		
PCX12BK	12.0	1/2	17.0	11	£102.86		
PCX19BK	19.0	3/4	24.0	11	£252.94		

## HIGH VISIBILITY HOSE

SUITABILITY	FEATURES
<ul style="list-style-type: none"> <li>Compressed air</li> <li>Water</li> <li>Chemicals</li> <li>Gas</li> </ul>	<ul style="list-style-type: none"> <li>High visibility for safety</li> <li>Good flexibility</li> <li>Silicone free</li> <li>Made from cadmium free materials</li> <li>Resistant to a wide range of chemicals</li> <li>High resistance to acids / alkalis</li> <li>Excellent abrasion resistance</li> </ul>
SPECIFICATIONS	
Temperature range	-15°C to +60°C
Pressure rating	Values given are based on the short term burst pressure of reinforced PVC hose at 20°C will result in a decline in the working pressure values
Construction	White flexible PVC inner tube, reinforced with high tensile polyester nylon braid, covered with high visibility flexible PVC cover
Applicable standards	BS EN ISO 6224:2008
Hose marking	Part number & batch number



## PCX HIGH VISIBILITY – YELLOW 30 METRE COIL



1350

PART NUMBER	6	10	12	PRICE	
PCX06HIVIZYEL	6	1/4	10.5	18	£65.59
PCX10HIVIZYEL	10	3/8	14.0	13	£82.59
PCX12HIVIZYEL	12	1/2	17.0	11	£113.10

New

## PCX HIGH VISIBILITY – PINK 30 METRE COIL



1350

PART NUMBER	6	10	12	19	PRICE
PCX06HVPNK	6	1/4	10.5	18	£65.59
PCX10HVPNK	10	3/8	14.0	13	£82.59
PCX12HVPNK	12	1/2	17.0	11	£113.10
PCX19HVPNK	19	3/4	24.0	11	£278.19

## PCX HIGH VISIBILITY – ORANGE 30 METRE COIL



1350

PART NUMBER	6	10	12	19	PRICE
PCX06HIVIZORA	6	1/4	10.5	18	£65.59
PCX10HIVIZORA	10	3/8	14.0	13	£82.59
PCX12HIVIZORA	12	1/2	17.0	11	£113.10
PCX19HVORA	19	3/4	24.0	11	£278.19



**DESCRIPTION**

Multipurpose hose, three layer design in flexible clear PVC with a highly resistant polyester fibre reinforcement.

**APPLICATIONS**

- Multipurpose hose suitable for numerous applications:
- Compressed air hose for supplying pneumatic tools
  - For equipping assembly work stations, wall mounted or mobile dispensers, compressors
  - Transfer of non-fatty foodstuffs or light alcohols

**SECTORS**

- Automotive industry
- Assembly plants
- Plastics industry
- Construction
- Garages (for cars, lorries and agricultural machinery)
- Woodworking etc
- Food processing industries

**ADVANTAGES**

The materials used in TCF provide it with flexibility, high transparency, UV protection. Moreover, its balanced reinforcement provides good resistance to pressure and deformation at low pressures. Suitable for food contact applications, complies with EU10/2011 Simulants A,B & C.

**SPECIFICATIONS**

Temperature range	-15°C to +60°C
Inner layer	Flexible PVC
Reinforcement	Polyester fibre
Outer layer	Flexible PVC
Food approved	Simulants A, B, C fruit juices, wines
Printing	ID $\phi$ x OD $\phi$ / $\phi$ ID x th. (EU) No. 10/2011 Sim. A, B, C (batch number)



**BRAIDED PVC HOSE  
30 METRE COILS**



1364

PART NUMBER	Ø ID	Ø ID	Ø ID	Ø ID	PRICE per coil
TRI-149614	6.3	1/4	10.5	13	£34.08
TRI-149645	8.0	5/16	12.0	13	£38.24
TRI-149671	10.0	3/8	14.0	13	£41.92
TRI-149689	12.5	1/2	17.5	13	£56.16
TRI-149697	16.0	5/8	22.0	13	£103.20
TRI-149707	19.0	3/4	24.0	13	£100.64
TRI-149737	25.0	1	31.0	13	£147.44
TRI-149787	32.0	1 1/4	40.0	12	£266.00
TRI-149806	38.0	1 1/2	46.0	11	£336.80
TRI-149822	50.0	2	60.0	8	£336.80



**TRICOFLEX® FLEXIBLE PVC WATER HOSE**



**SUITABILITY**

- Irrigation
- Water supply and delivery

**FEATURES / BENEFITS**

- Highly flexible for easy handling
- Excellent resistance to repeated bending, crushing and pulling
- Good resistance against abrasion and UV rays

**SPECIFICATIONS**

Temperature range	-15°C to +60°C
Pressure rating	Values given are based on the short term burst pressure of Tricoflex hose at 20°C using a 3:1 safety factor. NOTE: Any increase in temperature above 20°C will result in a decline in the working pressure values.
Construction	Exterior covering in ultra UV resistant PVC. With woven polyester fibre reinforcement and two-layer smooth lining.



1365

**TRICOFLEX – YELLOW  
25 METRE COILS**

PART NUMBER	Ø ID	Ø ID	Ø ID	Ø ID	PRICE per coil
TRI-117135	12.5	1/2	18.0	8	£50.55
TRI-116887	19.0	3/4	25.5	8	£87.51
TRI-048273	25.0	1	32.5	8	£137.74

**50 METRE COILS**

TRI-117151	12.5	1/2	18.0	8	£101.09
TRI-051546	19.0	3/4	25.5	8	£175.02
TRI-048374	25.0	1	32.5	8	£275.47

**100 METRE COILS**

TRI-117016	12.5	1/2	18.0	8	£202.18
TRI-054437	19.0	3/4	25.5	8	£350.02
TRI-048363	25.0	1	32.5	8	£550.93

\*The market leading knitted hose

### SPECIFICATIONS

Application	Temperature range
Commercial fuels and fuel mixtures up to a maximum of 50% benzol	-30°C to +40°C
Diesel fuels (gas oil) without RME addition, water, air, heating oil	-30°C to +80°C
<b>MATERIALS</b>	
Construction	NBR /PVC

### SPECIFICATIONS

Application	Temperature range
Motor lubricants (HD oils), hydraulic oils on mineral oil and glycol base	-40°C to +125°C
Vegetable lubricant oils, heating oil, air	-40°C to +70°C
Diesel	-40°C to +70°C
Oil-containing air	-40°C to +125°C
<b>MATERIALS</b>	
Construction	Fuel hose with vulcanised yarn braiding.
Tube	NBR
Braiding	Polyester
Cover	CM optional CSM

New

### NBR/PVC FUEL TUBE UNREINFORCED



4700

PART NUMBER				PRICE
FH2110.02.5	2.5	6.5	10	£88.00
FH2110.03.5	3.5	7.5	10	£70.40
FH2110.04.5	4.5	8.5	10	£75.20
FH2110.05.4	5.4	9.4	10	£88.00
FH2110.07.5	7.5	11.2	10	£96.00
FH2110.09.5	9.5	14.0	10	£128.00
FH2110.11	11.0	16.5	10	£192.00
FH2110.14.5	14.5	20.5	10	£256.00
FH2110.18	18.0	25.0	10	£368.00
FH2110.22	22.0	31.0	10	£592.00

New

### HIGH PRESSURE NBR/CM OIL HOSE



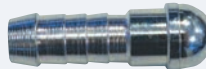
4700

PART NUMBER				PRICE
FH2633-004	4.0	10.0	10	£376.00
FH2633-005	5.0	11.0	10	£368.00
FH2633-006	6.0	12.0	10	£380.80
FH2633-008	8.0	14.0	10	£401.60
FH2633-010	9.5	15.5	10	£433.60
FH2633-012	12.0	19.0	10	£504.00
FH2633-015	15.0	23.0	10	£680.00
FH2633-018	18.0	26.0	10	£827.20
FH2633-022	22.0	30.5	10	£1056.00
FH2633-025	25.0	34.0	10	£1353.60

## HOSE FITTINGS AND ACCESSORIES

New

### CONICAL HOSE TAIL FOR 1/2" BSPP



4700

PART NUMBER	HOSE ID	PRICE
FH8010.0300	4 mm – 5 mm	£0.90
FH8010.0400	5 mm – 6 mm	£1.02
FH8010.0403	4 mm – 5 mm	£1.50
FH8010.0600	7 mm – 8 mm	£1.02
FH8010.0604	5 mm – 6 mm	£1.32
FH8010.0800	9 mm – 10 mm	£1.20
FH8010.0804	5 mm – 6 mm	£2.10
FH8010.0806	7 mm – 8 mm	£1.44
FH8010.1000	11 mm – 12 mm	£1.74
FH8010.1008	9 mm – 10 mm	£2.22
FH8010.1300	14 mm – 15 mm	£3.66
FH8010.1310	11 mm – 12 mm	£4.14
FH8010.1600	17 mm – 18 mm	£4.56
FH8010.2000	21 mm – 22 mm	£6.12
FH8010.2500	24 mm – 25 mm	£22.56
FH8011.2000	21 mm – 22 mm	£8.10
FH8014.1300	14 mm – 15 mm	£6.90

New

### METRIC NUT



4700

PART NUMBER	THREAD	FOR USE WITH	PRICE
FH8030.2000	M30 x 1.5 mm	FH8010.2000	£4.14
FH8030.2500	M38 x 1.5 mm	FH8010.2500	£13.26
FH8031.0300	M12 x 1.5 mm	FH8010.0300	£0.66
FH8031.0400	M12 x 1.5 mm	FH8010.0400	£0.60
FH8031.0600	M14 x 1.5 mm	FH8010.0600	£0.90
FH8031.0800	M16 x 1.5 mm	FH8010.0800	£0.84
FH8031.1000	M18 x 1.5 mm	FH8010.1000	£1.02
FH8031.1300	M22 x 1.5 mm	FH8010.1300	£1.74
FH8031.1600	M26 x 1.5 mm	FH8010.1600	£2.76

New

### SWIVEL NUT



4700

PART NUMBER	THREAD	FOR USE WITH	PRICE
FH8034.0300	1/8" BSPP	FH8010.0300	£2.10
FH8034.0600	1/4" BSPP	FH8010.0600	£1.08
FH8034.0604	1/4" BSPP	FH8010.0400	£1.38
FH8034.1300	1/2" BSPP	FH8014.1300/1313	£3.24
FH8034.1310	1/2" BSPP	FH8010.1000	£3.30
FH8034.2016	3/4" BSPP	FH8010.1600	£5.28
FH8034.2520	1 BSPP	FH8010.2000	£9.90

New



4700

## HOSETAIL 90° ELBOW METRIC

PART NUMBER	THREAD	HOSE ID	PRICE
FH8040.90.0300	M10	4 mm – 5 mm	£10.08
FH8040.90.0302	M10	3 mm – 4 mm	£10.08
FH8040.90.0400	M12	5 mm – 6 mm	£8.52
FH8040.90.0600	M14	7 mm – 8 mm	£8.52
FH8040.90.0800	M16	9 mm – 10 mm	£8.70
FH8040.90.1000	M18	11 mm – 12 mm	£8.82
FH8040.90.1300	M22	14 mm – 15 mm	£13.86
FH8040.90.1600	M26	17 mm – 18 mm	£23.34
FH8040.90.2000	M30	21 mm – 22 mm	£24.00

New



4700

## HOSETAIL 90° ELBOW IMPERIAL

PART NUMBER	THREAD	HOSE ID	PRICE
FH8044.90.0300	1/8" BSPP	4 mm – 5 mm	£11.04
FH8044.90.0600	1/4" BSPP	7 mm – 8 mm	£8.70
FH8044.90.0604	1/4" BSPP	4 mm – 6 mm	£12.24
FH8044.90.0800	3/8" BSPP	9 mm – 10 mm	£8.76
FH8044.90.1300	1/2" BSPP	14 mm – 15 mm	£16.98
FH8044.90.1310	3/4" BSPP	17 mm – 18 mm	£11.40
FH8044.90.2016	3/4" BSPP	17 mm – 18 mm	£25.20

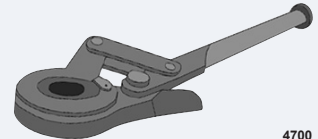
## FERRULE STEEL



4700

PART NUMBER	FERRULE ID mm	D2 mm	LENGTH mm	PRICE
S204-010	10.5	6.2	15.0	£0.23
S204-011	11.5	7.3	15.0	£0.29
S204-012	12.5	7.3	20.0	£0.31
S204-013	13.5	9.3	20.0	£0.34
S204-014	14.5	9.3	20.0	£0.36
S204-015	15.5	11.3	20.0	£0.37
S204-016	16.0	11.3	20.0	£0.37
S204-017	17.0	11.3	21.0	£0.52
S204-018	18.0	13.4	21.0	£0.56
S204-019	19.0	13.4	21.0	£0.64
S204-020	20.0	13.4	20.0	£0.55
S204-022	22.0	16.9	31.0	£0.79
S204-023	23.0	16.9	32.0	£0.82
S204-024	24.5	16.9	32.0	£0.84
S204-026	26.5	16.9	32.0	£0.88
S204-028	28.0	19.5	32.0	£1.09
S204-030	30.5	23.7	32.0	£1.83

## CRIMPING TOOL ARNSTEN



4700

PART NUMBER	DESCRIPTION	PRICE
S209-001	To suit Nominal Bore of 2 mm to 13 mm	£1342.84

NOTE: This crimping tool is supplied with 2 sets of crimping dies, 2 – 8 mm and 10 – 13 mm hose bore. Six clamping dies guarantee an immaculate press fit while the crimping tool is bench vice mounted.

New



4700

## STANDPIPE HOSETAIL

PART NUMBER	ID MM	OD MM	PRICE
FH8061.0200	4 mm	3 mm – 4 mm	£2.04
FH8061.0300	5 mm	4 mm – 5 mm	£1.96
FH8061.0400	6 mm	5 mm – 6 mm	£1.96
FH8061.0600	8 mm	7 mm – 8 mm	£2.10
FH8061.0800	10 mm	9 mm – 10 mm	£2.16
FH8061.1000	12 mm	11 mm – 12 mm	£2.22
FH8061.1300	15 mm	14 mm – 15 mm	£4.66
FH8061.1600	18 mm	17 mm – 18 mm	£5.28
FH8061.2000	22 mm	21 mm – 22 mm	£6.60
FH8061.2500	28 mm	24 mm – 25 mm	£25.80

New



4700

## COPPER WASHER

PART NUMBER	SIZE	PRICE
FHCWM-0610	6 mm x 10 mm	£0.32
FHCWM-0811	8 mm x 11 mm	£0.32
FHCWM-0814	8 mm x 14 mm	£0.32
FHCWM-1013	10 mm x 13 mm	£0.32
FHCWM-1016	10 mm x 16 mm	£0.47
FHCWM-1215	12 mm x 15 mm	£0.47
FHCWM-1217	12 mm x 17 mm	£0.63
FHCWM-1418	14 mm x 18 mm	£0.47
FHCWM-1420	14 mm x 20 mm	£0.63
FHCWM-1620	16 mm x 20 mm	£0.63
FHCWM-1622	16 mm x 22 mm	£0.80
FHCWM-1822	18 mm x 22 mm	£0.63
FHCWM-2227	22 mm x 27 mm	£0.95
FHCWM-2631	26 mm x 31 mm	£1.89
FHCWM-3036	30 mm x 36 mm	£2.52

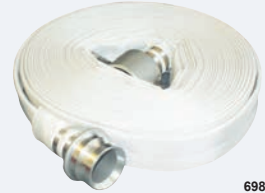


## WHITE UNCOATED LAYFLAT DELIVERY HOSE

SUITABILITY	FEATURES / BENEFITS
<ul style="list-style-type: none"> <li>Municipal fire brigades</li> <li>Industrial fire brigades</li> <li>Agriculture and irrigation</li> <li>Shipboard &amp; marine industry</li> <li>Refineries</li> <li>Construction sites &amp; general industrial use</li> <li>Inflation devices and sleeving</li> </ul>	<ul style="list-style-type: none"> <li>Produced with very low twist</li> <li>Good abrasion resistance and long service life, external resistance to oil, fuel and chemical products.</li> <li>Low friction loss</li> <li>Ageing and ozone resistant</li> <li>Weather resistant</li> <li>Lightweight and flexible</li> <li>Kink resistant</li> <li>Small coil diameter</li> <li>Minimum maintenance</li> </ul>
SPECIFICATIONS	
Temperature range	Cold resistant to -30°C. Heat resistant up to +80°C
Construction	Jacket: 100% polyester high tenacity yarn, circular woven, warp threads 2-ply twisted, plain weave. Lining and cover: Two-component system consisting of black SBR synthetic rubber and white NBR-synthetic adhesive. Resistant to ozone and to external contact with oil products. Lining guarantees a smooth surface and low friction loss.
Standards	BS 6391 Type 1

### TYPE 1

Hoses are those to which no external treatment has been applied to the reinforcement and are therefore liable to absorb liquids and need to be thoroughly dried after use.



New

### RIBBLELITE FIRE HOSE TYPE 1 – WHITE

6985

PART NUMBER	45	1 3/4	1.40	23	40	PRICE
FHHR4523LA	45	1 3/4	1.40	23	40	£291.60
FHHR6423LA	64	2 1/2	1.50	23	40	£342.20

Supplied complete with 2 1/2" male and female instantaneous couplings

## RED COATED LAYFLAT DELIVERY HOSE

SUITABILITY	FEATURES / BENEFITS
<ul style="list-style-type: none"> <li>Municipal fire brigades</li> <li>Industrial fire brigades</li> <li>Agriculture and irrigation</li> <li>Shipboard &amp; marine industry</li> <li>Refineries</li> <li>Construction sites &amp; general industrial use</li> </ul>	<ul style="list-style-type: none"> <li>Produced with very low twist</li> <li>Good abrasion resistance and long service life, external resistance to oil, fuel and chemical products.</li> <li>Low friction loss</li> <li>Ageing and ozone resistant</li> <li>Weather resistant</li> <li>Lightweight and flexible</li> <li>Kink resistant</li> </ul>
SPECIFICATIONS	
Temperature range	Cold resistant to -30°C. Heat resistant up to +80°C
Construction	Jacket: 100% polyester high tenacity yarn, circular woven, warp threads 2-ply twisted, plain weave. Lining and cover: Two-component system consisting of black SBR synthetic rubber and white NBR-synthetic adhesive. Resistant to ozone and to external contact with oil products. Lining guarantees a smooth surface and low friction loss.
Standards	BS 6391 Type 2 and Type 3

### TYPE 2

Hoses are those to which an external elastomeric coating has been applied to the reinforcement to give some protection against the absorption of liquids and to improve resistance of the reinforcement.

### TYPE 3

Hoses are those to which an external elastomeric coating has been applied to, or incorporated in, the reinforcement to give the hoses very low absorption of liquids and high resistance to abrasion and heat.



New

### RIBBLELITE FIRE HOSE TYPE 2 – RED

6985

PART NUMBER	45	1 3/4	1.40	23	40	PRICE
FHHR45R23LA	45	1 3/4	1.40	23	40	£331.80
FHHR64R23LA	64	2 1/2	1.50	23	40	£359.80

### TYPE 3 – RED

FHPHB45R23LA	45	1 3/4	1.40	23	40	£434.20
FHPHB64R23LA	64	2 1/2	1.50	23	40	£500.00

Supplied complete with 2 1/2" male and female instantaneous couplings

## BLUE LAYFLAT POTABLE WATER DELIVERY HOSE

SUITABILITY	FEATURES / BENEFITS
<ul style="list-style-type: none"> <li>For all freshwater delivery applications</li> <li>Water utilities &amp; water authorities</li> <li>Filling of fresh water tanks</li> <li>Temporary emergency pipeline</li> <li>Freshwater bowers</li> <li>Food and beverage industry</li> <li>Marine and offshore</li> </ul>	<ul style="list-style-type: none"> <li>Extremely lightweight &amp; flexible compared with a traditional hose</li> <li>High pressure, high performance, high burst</li> <li>Special blue for ease of identification</li> <li>Compact coil diameter when coiled</li> <li>Easy to handle &amp; transport</li> </ul>
SPECIFICATIONS	
Temperature range	Cold resistant to -30°C. Heat resistant up to +80°C
Construction	Jacket: 100% polyester high tenacity yarn, circular woven, warp and weft threads reinforced, multiple twisted. Inner lining: Polyurethane. Exterior cover: High quality blue NBR-synthetic rubber with ribs for ease of handling and to give high abrasion resistance.
Standards	WRAS approved material for use up to 23°C



New

### AQUAFLEX POTABLE HOSE WRAS HOSE – BLUE

6985



PART NUMBER	64	2 1/2	1.80	23	50	PRICE
FHHAQU64B23LA	64	2 1/2	1.80	23	50	£434.20

### HD WRAS HOSE – BLUE

FHMAQ64B23LA	64	2 1/2	1.80	23	50	£830.00
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Supplied complete with 2 1/2" male and female instantaneous couplings

### DESCRIPTION

The 2 1/2" (64 mm) instantaneous coupling system is used for a variety of water delivery applications to connect hoses together and to other pipework and fittings.

Constructed from light alloy, it comprises of a male and female two part connection, which is held securely in position by two external aspring loaded plunger mechanisms in the female half, which lock in place behind a raised lip on the male half.

Both plungers must be fully retracted to allow separation of the two parts. Water flow is normally from the female half into the male half. The hose tails have a double rib arrangement, which facilitates wire binding or hose clamps.

New

### 2 1/2" INSTANTANEOUS FEMALE ALUMINIUM ADAPTOR BSPP MALE THREAD



6985

PART NUMBER	MALE THREAD	PRICE
FHALF250BM100	1" BSPP	£184.00
FHALF250BM150	1 1/2" BSPP	£148.00
FHALF250BM200	2" BSPP	£100.00
FHALF250BM250	2 1/2" BSPP	£112.00
FHALF250BM300	3" BSPP	£168.00

New

### 2 1/2" INSTANTANEOUS COUPLING X HOSE TAIL



6985

PART NUMBER	HOSE TAIL	PRICE
FHCLI250H150	38 mm	£64.00
FHCLI250H175	45 mm	£68.00
FHCLI250H200	51 mm	£72.00
FHCLI250H250	64 mm	£66.00
FHCLI250H275	70 mm	£68.00
FHCLI250H300	76 mm	£180.00

New

### 2 1/2" INSTANTANEOUS FEMALE ALUMINIUM ADAPTOR BSPP FEMALE THREAD



6985

PART NUMBER	FEMALE THREAD	PRICE
FHALF250BF100	1" BSPP	£170.00
FHALF250BF150	1 1/2" BSPP	£156.00
FHALF250BF200	2" BSPP	£102.00
FHALF250BF250	2 1/2" BSPP	£104.00
FHALF250BF300	3" BSPP	£166.00

## INSTANTANEOUS PLUGS AND CAPS

### DESCRIPTION

For non-pressurised applications, plugs and caps are available. Designed to prevent the ingress of dust, insects, sand, gravel and other foreign bodies which may cause damage.

All are supplied with keep chain and hook for security.

New

### 2 1/2" INSTANTANEOUS MALE ALUMINIUM ADAPTOR BSPP MALE THREAD



6985

PART NUMBER	MALE THREAD	PRICE
FHALM250BM100	1" BSPP	£103.00
FHALM250BM150	1 1/2" BSPP	£100.00
FHALM250BM200	2" BSPP	£56.00
FHALM250BM250	2 1/2" BSPP	£56.00
FHALM250BM300	3" BSPP	£148.00

New

### 2 1/2" INSTANTANEOUS MALE PLUGS



6985

PART NUMBER	MATERIAL	PRICE
FHPLMA250I	Light Alloy	£44.00
FHPLMP250I	Plastic	£32.00
FHPLMR250	Rubber	£35.80

FHPLMR250 does not have instantaneous form

New

### 2 1/2" INSTANTANEOUS MALE ALUMINIUM ADAPTOR BSPP FEMALE THREAD



6985

PART NUMBER	FEMALE THREAD	PRICE
FHALM250BF75	3/4" BSPP	£102.00
FHALM250BF100	1" BSPP	£102.00
FHALM250BF150	1 1/2" BSPP	£102.00
FHALM250BF200	2" BSPP	£56.00
FHALM250BF250	2 1/2" BSPP	£56.00
FHALM250BF300	3" BSPP	£142.00

New

### 2 1/2" INSTANTANEOUS FEMALE CAPS



6985

PART NUMBER	MATERIAL	PRICE
FHCAFA250I	Light Alloy	£100.00
FHCAFR250	Rubber	£39.80

STANDPIPES

DESCRIPTION

Standpipes are connected into an underground hydrant as part of a mains water supply. Standpipes without non-return valves are intended for use by fire brigades in emergency applications whereas other uses should be with a non-return valve in order to prevent backflow of contaminated water into the mains system.



6985

DESCRIPTION

Used to connect an underground hydrant, the standpipe creates a water source for the safe extraction of mains water. As standard, the standpipe comes with a WRAS approved, non-return valve to prevent backflow of contaminated water into the mains system.



6985



New

BRIGADE LIGHT ALLOY STANDPIPE  
2 1/2" INSTANTANEOUS FEMALE

PART NUMBER	DESCRIPTION	PRICE
FHMS1	Single brigade	£300.00
FHMS1V	Single brigade with check valve	£688.00
FHMS2	Double brigade	£752.00

New

CONTRACTOR MILD STEEL STANDPIPE  
2 1/2" INSTANTANEOUS FEMALE

PART NUMBER	DESCRIPTION	PRICE
FHMS1C	Single tap	£208.00
FHMS2C	Double tap	£352.00

HYDRANT KEYS AND BARS

FEATURES

Used to open and close an underground hydrant. Hydrant key to fit standard size hydrants c/w chisel bar, which is retained inside shank of the key. Bar comes with chisel on one end to aid in the lifting of manhole covers.

- Uncoated aluminium
- Blue powder coated mild steel
- Spindle key 35 mm square socket



6985

New

HYDRANT KEY AND BAR

PART NUMBER	MATERIALS	PRICE
FHMKA	Aluminium	£200.00
FHMKS B	Steel	£184.00

HYDRANTS

FEATURES

- Inlet flange universally drilled to en1092-2 PN10/16 and BS10 Table D/E
- BS 750 Type 2c. Screwed-down type with screwed 2 1/2" round thread outlet
- -10°C to +70°C, insulation essential for temperatures 0°C and below
- Low weight design
- 2 1/2" London round thread outlet to BS 750
- Kv=92 minimum 2000 l/min, Kv=96 actual 2092 l/min
- Auto-frost drain valve as standard
- Fixed stopper
- Corrosion resistant construction, ductile iron coated with WRAS approved epoxy coating blue RAL 5017, to 250 microns minimum



6985

New

UNDERGROUND HYDRANT

PART NUMBER	TYPE	PRICE
FHXSP0080	2	£440.00

**FEATURES**

- Hose reel with side discs, powder coated RAL 3001 red gloss 15
- 1" manual stop valve
- NOHA installation instructions
- Wall mounting bracket
- Roller hose guide allowing the hose to be run out in any direction
- Centre parts made of brass
- Adjustable brake
- Clockwise rotation
- Jet / spray / shutoff nozzle

**New**


6985

**FIXED MANUAL FIRE HOSE REEL ONLY**

PART NUMBER	TO SUIT	PRICE
<b>FHFARFM19A</b>	19 mm Hose	£420.00
<b>FHFARFM25A</b>	25 mm Hose	£460.00

**SPECIFICATIONS**

Standard	EN694
Flow rates	3/4" – 27 lpm, 1" – 35 lpm

**New**


6985

**HOSE REEL  
30 METRE RED FIRE HOSE**

PART NUMBER	19mm	25mm	30m	12 bar	PRICE
<b>FHFAH19D</b>	19	4	30	12	£114.00
<b>FHFAH25D</b>	25	5	30	12	£164.00

**SPECIFICATIONS**

Working temperature	- 20°C to + 60°C
Maximum working pressure	12 bar

**New**


6985

**SWINGING MANUAL  
FIRE HOSE REEL  
REEL ONLY**

PART NUMBER	TO SUIT	PRICE
<b>FHFARSM19A</b>	19 mm Hose	£700.00
<b>FHFARSM25A</b>	25 mm Hose	£760.00

**SPECIFICATIONS**

Working temperature	- 20°C to + 60°C
Maximum working pressure	12 bar

**New**


6985

**REEL NOZZLE  
PLASTIC – RED**

PART NUMBER	SIZE	PRICE
<b>FHFAN19P</b>	19 mm	£26.00
<b>FHFAN25P</b>	25 mm	£27.80

**SPECIFICATIONS**

Material	Light alloy
Inlet	2 1/2" male inst (BS336)
Flow rate @ 7 bar	57 l/min
Max. working pressure	16 bar
Nozzle inlet	1 3/4" female BSP
Nozzle outlet	10, 13, 20, 25 mm
Nozzle type	Plain jet



6985

**New**
**DIFFUSER BRANCHPIPE**

PART NUMBER	DESCRIPTION	PRICE
<b>FHNLMD</b>	Diffuser branchpipe without nozzle	£184.00
<b>FHNLMXC</b>	Diffuser branchpipe with nozzle	£116.00

**New**


6985

**DIFFUSER NOZZLE  
CHROMIUM PLATED BRASS**

PART NUMBER	TO SUIT	PRICE
<b>FHFAN19D</b>	19 mm Hose	£192.00

**SPECIFICATIONS**

Material	Light alloy
Inlet	2 1/2" Male Inst (BS336)
Outlet	9 mm tip
Max. working pressure	16 bar
Spray angle	15 – 20°
Throw distance	32 m full jet, 14 m spray jet

**New**

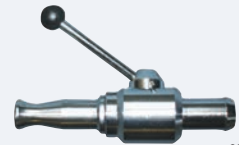

6985

**LEVER BRANCHPIPE  
LIGHT ALLOY**

PART NUMBER	DESCRIPTION	PRICE
<b>FH60101633</b>	Lever operated branchpipe	£184.00

**SPECIFICATIONS**

Working temperature	- 20°C to + 60°C
Max. working pressure	12 bar

**New**


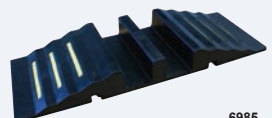
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**LEVER HOSE REEL NOZZLES  
CHROMIUM PLATED BRASS**

PART NUMBER	TO SUIT	PRICE
<b>FHFAN19C</b>	19 mm Hose	£98.00
<b>FHFAN25C</b>	25 mm Hose	£106.00

**SPECIFICATIONS**

Material	Rubber
Dimensions (mm)	850 x 300 x 84
Weight	13 kg
Channel size (mm)	92 wide x 80 high
Weight limit	44 tonnes

**New**


6985

**HOSE RAMP**

PART NUMBER	SIZE	PRICE
<b>FHRAM250R</b>	2 1/2"	£176.00

## ONE TOUCH 20 BAR HIGH PRESSURE - BLACK

### FEATURES

- Smaller fittings, featuring wider working pressure and temperature ranges
- One touch, push-to-connect configuration allows instant tubing connection
- Main body of PL and PT types is a rotating structure for efficient piping
- The section has an O-ring or Teflon coating

### APPLICATIONS

- One touch type pipe connection tool for air pressure piping
- Various uses depending on the user's environment

### SPECIFICATIONS

Fluid type	Air (No other type of gas or liquid)
Working pressure	0 to 290 psi (20 bar)
Negative pressure	-29.5 in Hg / -750 mm Hg (-750 Torr)
Working temperature	-20°C to +80°C (-4°F to +176°F)
Application tube	Polyurethane and nylon

New

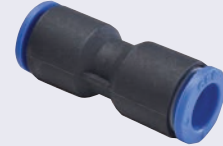


**MPL**  
SWIVEL MALE ELBOW

3700

PART NUMBER	TUBE OD	THREAD	PRICE EACH	
			1 - 9	10 +
CDMPL04-M5	4 mm	M5 x 0.8	£2.45	£2.16
CDMPL04-M6	4 mm	M6 x 1.0	£2.45	£2.16
CDMPL04-01	4 mm	1/8" BSPT	£2.07	£1.83
CDMPL04-02	4 mm	1/4" BSPT	£2.22	£1.95
CDMPL04-03	4 mm	3/8" BSPT	£2.70	£2.38
CDMPL06-M5	6 mm	M5 x 0.8	£2.49	£2.20
CDMPL06-M6	6 mm	M6 x 1.0	£2.50	£2.20
CDMPL06-01	6 mm	1/8" BSPT	£2.11	£1.87
CDMPL06-02	6 mm	1/4" BSPT	£2.27	£2.00
CDMPL06-03	6 mm	3/8" BSPT	£2.66	£2.35
CDMPL08-01	8 mm	1/8" BSPT	£2.50	£2.21
CDMPL08-02	8 mm	1/4" BSPT	£2.64	£2.33
CDMPL08-03	8 mm	3/8" BSPT	£2.70	£2.39
CDMPL08-04	8 mm	1/2" BSPT	£4.01	£3.54
CDMPL10-02	10 mm	1/4" BSPT	£3.42	£3.02
CDMPL10-03	10 mm	3/8" BSPT	£3.43	£3.03
CDMPL10-04	10 mm	1/2" BSPT	£4.12	£3.63
CDMPL12-02	12 mm	1/4" BSPT	£4.12	£3.64
CDMPL12-03	12 mm	3/8" BSPT	£4.26	£3.76
CDMPL12-04	12 mm	1/2" BSPT	£4.48	£3.95

New



**MPUC**  
STRAIGHT UNION

3700

PART NUMBER	TUBE OD	TUBE OD	PRICE EACH	
			1 - 9	10 +
CDMPUC04	4 mm	4 mm	£1.79	£1.58
CDMPUC06	6 mm	6 mm	£1.97	£1.74
CDMPUC08	8 mm	8 mm	£2.06	£1.82
CDMPUC10	10 mm	10 mm	£2.32	£2.05
CDMPUC12	12 mm	12 mm	£3.13	£2.76

New



**MPUL**  
UNION ELBOW

3700

PART NUMBER	TUBE OD	TUBE OD	PRICE EACH	
			1 - 9	10 +
CDMPUL04	4 mm	4 mm	£1.69	£1.49
CDMPUL06	6 mm	6 mm	£1.97	£1.74
CDMPUL08	8 mm	8 mm	£2.06	£1.82
CDMPUL10	10 mm	10 mm	£2.32	£2.05
CDMPUL12	12 mm	12 mm	£3.13	£2.76

New



**MPT**  
SWIVEL BRANCH TEE

3700

PART NUMBER	TUBE OD	THREAD	PRICE EACH	
			1 - 9	10 +
CDMPT04-01	4 mm	1/8" BSPT	£2.90	£2.56
CDMPT04-02	4 mm	1/4" BSPT	£3.04	£2.68
CDMPT04-03	4 mm	3/8" BSPT	£3.78	£3.33
CDMPT06-01	6 mm	1/8" BSPT	£3.13	£2.76
CDMPT06-02	6 mm	1/4" BSPT	£3.29	£2.90
CDMPT06-03	6 mm	3/8" BSPT	£3.84	£3.38
CDMPT08-01	8 mm	1/8" BSPT	£3.62	£3.19
CDMPT08-02	8 mm	1/4" BSPT	£3.71	£3.27
CDMPT08-03	8 mm	3/8" BSPT	£3.89	£3.43
CDMPT08-04	8 mm	1/2" BSPT	£5.13	£4.53
CDMPT10-01	10 mm	1/8" BSPT	£4.47	£3.94
CDMPT10-02	10 mm	1/4" BSPT	£4.56	£4.02
CDMPT10-03	10 mm	3/8" BSPT	£4.80	£4.23
CDMPT12-02	12 mm	1/4" BSPT	£5.26	£4.64
CDMPT12-03	12 mm	3/8" BSPT	£5.39	£4.75
CDMPT12-04	12 mm	1/2" BSPT	£5.63	£4.96

New



**MPUT**  
UNION TEE

3700

PART NUMBER	TUBE OD	TUBE OD	PRICE EACH	
			1 - 9	10 +
CDMPUT04	4 mm	4 mm	£3.04	£2.68
CDMPUT06	6 mm	6 mm	£3.04	£2.68
CDMPUT08	8 mm	8 mm	£3.13	£2.76
CDMPUT10	10 mm	10 mm	£3.31	£2.92
CDMPUT12	12 mm	12 mm	£4.65	£4.10

## ONE TOUCH 20 BAR HIGH PRESSURE - WHITE

### FEATURES

- Smaller fittings, featuring wider working pressure and temperature ranges
- One touch, push-to-connect configuration allows instant tubing connection
- Main body of PL and PT types is a rotating structure for efficient piping
- The section has an O-ring or Teflon coating

### APPLICATIONS

- One touch type pipe connection tool for air pressure piping
- Various uses depending on the user's environment

### SPECIFICATIONS

Fluid type	Air (No other type of gas or liquid)
Working pressure	0 to 290 psi (20 bar)
Negative pressure	-29.5 in Hg / -750 mm Hg (-750 Torr)
Working temperature	-20°C to +80°C (-4°F to +176°F)
Application tube	Polyurethane and nylon

New

### MPL SWIVEL MALE ELBOW



3700

PART NUMBER	TUBE OD	THREAD	PRICE EACH	
			1 - 9	10 +
CDMPL04-M5W	4 mm	M5 x 0.8	£2.45	£2.16
CDMPL04-M6W	4 mm	M6 x 1.0	£2.45	£2.16
CDMPL04-01W	4 mm	1/8" BSPT	£2.07	£1.83
CDMPL04-02W	4 mm	1/4" BSPT	£2.22	£1.95
CDMPL04-03W	4 mm	3/8" BSPT	£2.70	£2.38
CDMPL06-M5W	6 mm	M5 x 0.8	£2.49	£2.20
CDMPL06-M6W	6 mm	M6 x 1.0	£2.50	£2.20
CDMPL06-01W	6 mm	1/8" BSPT	£2.11	£1.87
CDMPL06-02W	6 mm	1/4" BSPT	£2.27	£2.00
CDMPL06-03W	6 mm	3/8" BSPT	£2.66	£2.35
CDMPL08-01W	8 mm	1/8" BSPT	£2.50	£2.21
CDMPL08-02W	8 mm	1/4" BSPT	£2.64	£2.33
CDMPL08-03W	8 mm	3/8" BSPT	£2.70	£2.39
CDMPL08-04W	8 mm	1/2" BSPT	£4.01	£3.54
CDMPL10-02W	10 mm	1/4" BSPT	£3.42	£3.02
CDMPL10-03W	10 mm	3/8" BSPT	£3.43	£3.03
CDMPL10-04W	10 mm	1/2" BSPT	£4.12	£3.63
CDMPL12-02W	12 mm	1/4" BSPT	£4.12	£3.64
CDMPL12-03W	12 mm	3/8" BSPT	£4.26	£3.76
CDMPL12-04W	12 mm	1/2" BSPT	£4.48	£3.95

New

### MPUC STRAIGHT UNION



3700

PART NUMBER	TUBE OD	TUBE OD	PRICE EACH	
			1 - 9	10 +
CDMPUC04W	4 mm	4 mm	£1.79	£1.58
CDMPUC06W	6 mm	6 mm	£1.97	£1.74
CDMPUC08W	8 mm	8 mm	£2.06	£1.82
CDMPUC10W	10 mm	10 mm	£2.32	£2.05
CDMPUC12W	12 mm	12 mm	£3.13	£2.76

New

### MPUL UNION ELBOW



3700

PART NUMBER	TUBE OD	TUBE OD	PRICE EACH	
			1 - 9	10 +
CDMPUL04W	4 mm	4 mm	£1.69	£1.49
CDMPUL06W	6 mm	6 mm	£1.97	£1.74
CDMPUL08W	8 mm	8 mm	£2.06	£1.82
CDMPUL10W	10 mm	10 mm	£2.32	£2.05
CDMPUL12W	12 mm	12 mm	£3.13	£2.76

New

### MPT SWIVEL BRANCH TEE



3700

PART NUMBER	TUBE OD	THREAD	PRICE EACH	
			1 - 9	10 +
CDMPT04-01W	4 mm	1/8" BSPT	£2.90	£2.56
CDMPT04-02W	4 mm	1/4" BSPT	£3.04	£2.68
CDMPT04-03W	4 mm	3/8" BSPT	£3.78	£3.33
CDMPT06-01W	6 mm	1/8" BSPT	£3.13	£2.76
CDMPT06-02W	6 mm	1/4" BSPT	£3.29	£2.90
CDMPT06-03W	6 mm	3/8" BSPT	£3.84	£3.38
CDMPT08-01W	8 mm	1/8" BSPT	£3.62	£3.19
CDMPT08-02W	8 mm	1/4" BSPT	£3.71	£3.27
CDMPT08-03W	8 mm	3/8" BSPT	£3.89	£3.43
CDMPT08-04W	8 mm	1/2" BSPT	£5.13	£4.53
CDMPT10-01W	10 mm	1/8" BSPT	£4.47	£3.94
CDMPT10-02W	10 mm	1/4" BSPT	£4.56	£4.02
CDMPT10-03W	10 mm	3/8" BSPT	£4.80	£4.23
CDMPT12-02W	12 mm	1/4" BSPT	£5.26	£4.64
CDMPT12-03W	12 mm	3/8" BSPT	£5.39	£4.75
CDMPT12-04W	12 mm	1/2" BSPT	£5.63	£4.96

New

### MPUT UNION TEE



3700

PART NUMBER	TUBE OD	TUBE OD	PRICE EACH	
			1 - 9	10 +
CDMPUT04W	4 mm	4 mm	£3.04	£2.68
CDMPUT06W	6 mm	6 mm	£3.04	£2.68
CDMPUT08W	8 mm	8 mm	£3.13	£2.76
CDMPUT10W	10 mm	10 mm	£3.31	£2.92
CDMPUT12W	12 mm	12 mm	£4.65	£4.10

New



**SINGLE KNUCKLE JOINT**

3760

PART NUMBER	KNUCKLE JOINT	PRICE
CDOEL04-H04	1/4"	£1.10
CDOEL08-H08	1/2"	£1.60
CDOEL12-H12	3/4"	£2.62

New



**BALL VALVE WITH KNUCKLE JOINT**

3760

PART NUMBER	BALL VALVE	KNUCKLE JOINT	PRICE
CDOEL04-V04	1/4"	1/4"	£12.78
CDOEL08-V08	1/2"	1/2"	£17.77

New



**BSPT MALE WITH KNUCKLE JOINT**

3760

PART NUMBER	MALE THREAD	KNUCKLE JOINT	PRICE
CDOEL04-PT02	1/8" BSPT	1/4"	£0.95
CDOEL04-PT04	1/4" BSPT	1/4"	£1.14
CDOEL08-PT06	3/8" BSPT	1/2"	£1.32
CDOEL08-PT08	1/2" BSPT	1/2"	£1.80
CDOEL12-PT12	3/4" BSPT	3/4"	£5.23

New



**Y JUNCTION WITH KNUCKLE JOINT**

3760

PART NUMBER	Y JUNCTION	KNUCKLE JOINT	PRICE
CDOEL04-YF04	2 x	1/4"	£7.75
CDOEL08-YF08	2 x	1/2"	£8.96

New

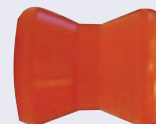


**ROUND NOZZLE WITH KNUCKLE JOINT**

3760

PART NUMBER	NOZZLE	KNUCKLE JOINT	PRICE
CDOEL04-RN02	1/8"	1/4"	£1.01
CDOEL04-RN04	1/4"	1/4"	£1.24
CDOEL08-RN04	1/4"	1/2"	£1.24
CDOEL08-RN06	3/8"	1/2"	£2.65
CDOEL12-RN10	5/8"	3/4"	£5.23

New

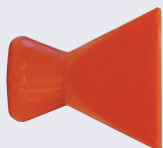


**DOUBLE UNION WITH KNUCKLE JOINT**

3760

PART NUMBER	KNUCKLE JOINT	PRICE
CDOEL04-DS04	1/4"	£4.19
CDOEL08-DS08	1/2"	£4.78

New



**FAN NOZZLE WITH KNUCKLE JOINT**

3760

PART NUMBER	NOZZLE	KNUCKLE JOINT	PRICE
CDOEL04-FN16	1"	1/4"	£1.64
CDOEL08-FN20	1/4"	1/2"	£6.54
CDOEL08-FN40	2"	1/2"	£8.01
CDOEL12-FN48	3"	3/4"	£14.37

New



**REDUCING Y JUNCTION WITH KNUCKLE JOINT**

3760

PART NUMBER	Y JUNCTION	KNUCKLE JOINT	PRICE
CDOEL08-YR0804	2 x 1/4"	1/2"	£8.96

New

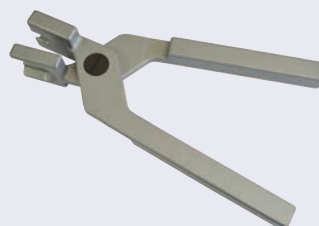


**16 HOLE FAN NOZZLE WITH KNUCKLE JOINT**

3760

PART NUMBER	HOLE DIAMETER	KNUCKLE JOINT	PRICE
CDOEL04-16HN-1MM	1.0 mm	1/4"	£13.07
CDOEL04-16HN-1.5MM	1.5 mm	1/4"	£13.07

New



**PLIERS**

3760

PART NUMBER	DESCRIPTION	PRICE
CDOELP1418	1/4"	£157.88
CDOELP1238	1/2"	£157.88
CDOELP34	3/4"	£157.88



**UNION TEE  
BSPP FEMALE**

3505

PART NUMBER	FEMALE	PRICE
SA09-S1	1/8" BSPP	£3.86
SA09-S2	1/4" BSPP	£5.65
SA09-S3	3/8" BSPP	£8.82
SA09-S4	1/2" BSPP	£14.82



**HEXAGONAL HEAD PLUG  
BSPT MALE**

3505

PART NUMBER	MALE	PRICE
SA18-1	1/8" BSPT	£0.70
SA18-2	1/4" BSPT	£1.08
SA18-3	3/8" BSPT	£1.67
SA18-4	1/2" BSPT	£3.11



**45° EQUAL ELBOW  
BSPT MALE / BSPP FEMALE**

3505

PART NUMBER	MALE	FEMALE	PRICE
SA12-1	1/8" BSPT	1/8" BSPP	£3.70
SA12-2	1/4" BSPT	1/4" BSPP	£5.21



**REDUCING CONNECTOR  
BSPT MALE**

3505

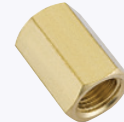
PART NUMBER	MALE	MALE	PRICE
BRC 04/02U	1/4" BSPT	1/8" BSPT	£1.40
BRC 06/02U	3/8" BSPT	1/8" BSPT	£1.80
BRC 06/04U	3/8" BSPT	1/4" BSPT	£1.71
BRC 08/02U	1/2" BSPT	1/8" BSPT	£2.91
BRC 08/04U	1/2" BSPT	1/4" BSPT	£2.93
BRC 08/06U	1/2" BSPT	3/8" BSPT	£3.13
BRC 12/04U	3/4" BSPT	1/4" BSPT	£5.16
BRC 12/06U	3/4" BSPT	3/8" BSPT	£6.20
BRC 12/08U	3/4" BSPT	1/2" BSPT	£6.15
BRC 16/08U	1" BSPT	1/2" BSPT	£10.51
BRC 16/12U	1" BSPT	3/4" BSPT	£12.58



**EQUAL CONNECTOR  
BSPT MALE**

3505

PART NUMBER	MALE	MALE	PRICE
BEC 02/02U	1/8" BSPT	1/8" BSPT	£0.83
BEC 04/04U	1/4" BSPT	1/4" BSPT	£1.74
BEC 06/06U	3/8" BSPT	3/8" BSPT	£2.39
BEC 08/08U	1/2" BSPT	1/2" BSPT	£3.82
BEC 12/12U	3/4" BSPT	3/4" BSPT	£6.76
BEC 16/16U	1" BSPT	1" BSPT	£11.47



**EQUAL CONNECTOR  
BSPP FEMALE**

3505

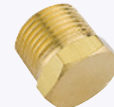
PART NUMBER	FEMALE	PRICE
BFFA 02U	1/8" BSPP	£1.38
BFFA 04U	1/4" BSPP	£2.03
BFFA 06U	3/8" BSPP	£3.79
BFFA 08U	1/2" BSPP	£4.24
BFFA 12U	3/4" BSPP	£9.36



**REDUCING BUSH  
BSPT MALE / BSPP FEMALE**

3505

PART NUMBER	MALE	FEMALE	PRICE
BMFB 04/02U	1/4" BSPT	1/8" BSPP	£1.07
BMFB 06/02U	3/8" BSPT	1/8" BSPP	£2.03
BMFB 06/04U	3/8" BSPT	1/4" BSPP	£1.50
BMFB 08/02U	1/2" BSPT	1/8" BSPP	£4.32
BMFB 08/04U	1/2" BSPT	1/4" BSPP	£3.56
BMFB 08/06U	1/2" BSPT	3/8" BSPP	£2.39
BMFB 12/04U	3/4" BSPT	1/4" BSPP	£10.96
BMFB 12/06U	3/4" BSPT	3/8" BSPP	£6.25
BMFB 12/08U	3/4" BSPT	1/2" BSPP	£4.47
BMFB 16/04U	1" BSPT	1/4" BSPP	£11.90
BMFB 16/06U	1" BSPT	3/8" BSPP	£10.68
BMFB 16/08U	1" BSPT	1/2" BSPP	£10.13
BMFB 16/12U	1" BSPT	3/4" BSPP	£7.92



**PLUG  
BSPT MALE**

3505

PART NUMBER	MALE	TYPE	PRICE
SA08-1-1	1/8" BSPT	Hollow	£0.80
SA08-2-1	1/4" BSPT	Hollow	£1.33
SA08-3-1	3/8" BSPT	Hollow	£2.11
SA08-4-1	1/2" BSPT	Hollow	£3.32
SA08-6-1	3/4" BSPT	Solid	£6.28
SA08-8-1	1" BSPT	Solid	£9.53



**UNION CROSS  
BSPP FEMALE**

3505

PART NUMBER	FEMALE	PRICE
SA10-S1	1/8" BSPP	£5.58
SA10-S2	1/4" BSPP	£7.94
SA10-S3	3/8" BSPP	£12.52



**BULKHEAD CONNECTOR  
BSPT MALE**

3505



PART NUMBER	MALE	PRICE
BHC02/02U	1/8" BSPT	£5.50
BHC04/04U	1/4" BSPT	£6.38
BHC06/06U	3/8" BSPT	£7.50
BHC08/08U	1/2" BSPT	£13.50



New



**NIPPLE**  
BSPT MALE / NPT MALE

3505

PART NUMBER	THREAD	THREAD	PRICE
BECBN04/04U	1/4" BSPT	1/4" NPT	£2.23
BECBN06/06U	3/8" BSPT	3/8" NPT	£3.03
BECBN08/08U	1/2" BSPT	1/2" NPT	£4.83

New



**EQUAL SOCKET**  
NPT FEMALE

3505

PART NUMBER	FEMALE	PRICE
BFFAN02/02U	1/8" NPT	£1.73
BFFAN04/04U	1/4" NPT	£2.60
BFFAN06/06U	3/8" NPT	£4.83
BFFAN08/08U	1/2" NPT	£5.62

New



**EQUAL CONNECTOR**  
NPT MALE

3505

PART NUMBER	THREAD	PRICE
BECN02U	1/8" NPT	£0.94
BECN04U	1/4" NPT	£2.24
BECN06U	3/8" NPT	£3.03
BECN08U	1/2" NPT	£4.83

New



**BUSH**  
NPT MALE / NPT FEMALE

3505

PART NUMBER	THREAD A	THREAD B	PRICE
BMFBN04/02U	1/4" NPT	1/8" NPT	£1.37
BMFBN06/04U	3/8" NPT	1/4" NPT	£1.88
BMFBN08/06U	1/2" NPT	3/8" NPT	£3.03

New



**REDUCING NIPPLE**  
NPT

3505

PART NUMBER	THREAD A	THREAD B	PRICE
BRCN04/02U	1/4" NPT	1/8" NPT	£1.52
BRCN06/04U	3/8" NPT	1/4" NPT	£2.16
BRCN08/04U	1/2" NPT	1/4" NPT	£3.75
BRCN08/06U	1/2" NPT	3/8" NPT	£3.96

New



**EQUAL TEE**  
NPT FEMALE

3505

PART NUMBER	FEMALE	PRICE
BFTN02U	1/8" NPT	£2.96
BFTN04U	1/4" NPT	£5.26
BFTN06U	3/8" NPT	£12.60
BFTN08U	1/2" NPT	£9.72

New

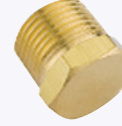


**EQUAL ELBOW**  
NPT FEMALE

3505

PART NUMBER	FEMALE	PRICE
BFELN02U	1/8" NPT	£2.09
BFELN04U	1/4" NPT	£4.46
BFELN06U	3/8" NPT	£7.64
BFELN08U	1/2" NPT	£10.44

New



**SOLID PLUG**  
NPT MALE

3505

PART NUMBER	MALE	PRICE
BHSPN02U	1/8" NPT	£0.94
BHSPN04U	1/4" NPT	£1.52
BHSPN06U	3/8" NPT	£2.45
BHSPN08U	1/2" NPT	£3.82

New



**ELBOW**  
NPT MALE / NPT FEMALE

3505

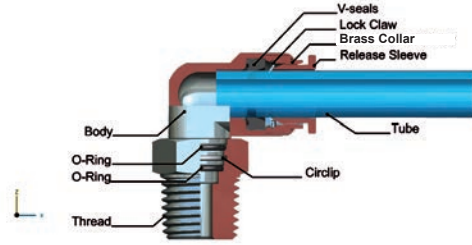
PART NUMBER	THREAD A	THREAD B	PRICE
BMFLN02U	1/8" NPT	1/8" NPT	£3.17
BMFLN04U	1/4" NPT	1/4" NPT	£4.25
BMFLN06U	3/8" NPT	3/8" NPT	£6.12
BMFLN08U	1/2" NPT	1/2" NPT	£10.52

**DESCRIPTION**

Full metal solution offers a heavy duty, robust, higher performance. Suitable for use with strong vibrations, abrasions and welding sparks. Double O-ring design for better swivel. Widely used in robotics, automotive welding, heavy industry, railway, compressed air circuit, and vacuum.

**SPECIFICATIONS**

Medium	Air
Working pressure	0 – 210 psi (0 – 15 bar)
Negative pressure	-29.5 Hg
Working temperature	-20°C to +80°C
Tube sizes	Metric
Thread sizes	BSPT, BSPP
Applicable tubings	PU, PE, PA, PTFE, FEP
<b>MATERIALS</b>	
Body	Brass
Collar & sleeve	Brass
Colour	Nickel plated
Seals	NBR
Gripping teeth	Stainless steel


**New**

**MALE STUD WITH NBR SEAL**

3540

PART NUMBER	TUBE OD	THREAD	PRICE
<b>BMPC6-01</b>	6 mm	1/8" BSPT	£1.26
<b>BMPC6-02</b>	6 mm	1/4" BSPT	£1.55
<b>BMPC8-02</b>	8 mm	1/4" BSPT	£1.59
<b>BMPC10-02</b>	10 mm	1/4" BSPT	£2.09
<b>BMPC12-03</b>	12 mm	3/8" BSPT	£3.71

**New**

**MALE STUD ELBOW WITH NBR SEAL**

3540

PART NUMBER	TUBE OD	THREAD	PRICE
<b>BMPL6-01</b>	6 mm	1/8" BSPT	£2.52
<b>BMPL6-02</b>	6 mm	1/4" BSPT	£2.67
<b>BMPL8-01</b>	8 mm	1/8" BSPT	£3.18
<b>BMPL8-02</b>	8 mm	1/4" BSPT	£3.28
<b>BMPL10-02</b>	10 mm	1/4" BSPT	£3.86
<b>BMPL12-03</b>	12 mm	3/8" BSPT	£5.11

**New**

**FEMALE STUD WITH NBR SEAL**

3540

PART NUMBER	TUBE OD	THREAD	PRICE
<b>BMPCF6-G01</b>	6 mm	1/8" BSPP	£2.14
<b>BMPCF6-G02</b>	6 mm	1/4" BSPP	£2.22
<b>BMPCF8-G02</b>	8 mm	1/4" BSPP	£2.30
<b>BMPCF10-G02</b>	10 mm	1/4" BSPP	£2.69
<b>BMPCF12-G03</b>	12 mm	3/8" BSPP	£4.44

**New**

**EQUAL ELBOW WITH NBR SEAL**

3540

PART NUMBER	TUBE OD	PRICE
<b>BMPUL6</b>	6 mm	£2.78
<b>BMPUL8</b>	8 mm	£3.42
<b>BMPUL10</b>	10 mm	£5.69
<b>BMPUL12</b>	12 mm	£5.15

**New**

**EQUAL STRAIGHT CONNECTOR WITH NBR SEAL**

3540

PART NUMBER	TUBE OD	PRICE
<b>BMPUC6</b>	6 mm	£2.31
<b>BMPUC8</b>	8 mm	£2.84
<b>BMPUC10</b>	10 mm	£3.75
<b>BMPUC12</b>	12 mm	£4.32

**New**

**EQUAL TEE WITH NBR SEAL**

3540

PART NUMBER	TUBE OD	PRICE
<b>BMPUT6</b>	6 mm	£3.39
<b>BMPUT8</b>	8 mm	£4.32
<b>BMPUT10</b>	10 mm	£5.69
<b>BMPUT12</b>	12 mm	£6.84

HEXAGON REDUCING BUSH  
BSPT MALE / BSPP FEMALE

1750

REDUCING SOCKET  
BSPP FEMALE

1750

PART NUMBER	MALE	FEMALE	PRICE
SJ-F31-0402	1/4" BSPT	1/8" BSPP	£2.38
SJ-F31-0602	3/8" BSPT	1/8" BSPP	£3.07
SJ-F31-0604	3/8" BSPT	1/4" BSPP	£2.75
SJ-F31-0802	1/2" BSPT	1/8" BSPP	£4.13
SJ-F31-0804	1/2" BSPT	1/4" BSPP	£4.13
SJ-F31-0806	1/2" BSPT	3/8" BSPP	£4.07
SJ-F31-1202	3/4" BSPT	1/8" BSPP	£6.19
SJ-F31-1204	3/4" BSPT	1/4" BSPP	£6.38
SJ-F31-1206	3/4" BSPT	3/8" BSPP	£6.13
SJ-F31-1208	3/4" BSPT	1/2" BSPP	£5.75
SJ-F31-1604	1" BSPT	1/4" BSPP	£9.50
SJ-F31-1606	1" BSPT	3/8" BSPP	£9.94
SJ-F31-1608	1" BSPT	1/2" BSPP	£9.44
SJ-F31-1612	1" BSPT	3/4" BSPP	£8.82
SJ-F31-2008	1 1/4" BSPT	1/2" BSPP	£13.32
SJ-F31-2012	1 1/4" BSPT	3/4" BSPP	£13.32
SJ-F31-2016	1 1/4" BSPT	1" BSPP	£13.32
SJ-F31-2408	1 1/2" BSPT	1/2" BSPP	£16.69
SJ-F31-2412	1 1/2" BSPT	3/4" BSPP	£17.75
SJ-F31-2416	1 1/2" BSPT	1" BSPP	£17.69
SJ-F31-2420	1 1/2" BSPT	1 1/4" BSPP	£17.69
SJ-F31-3212	2" BSPT	3/4" BSPP	£17.69
SJ-F31-3216	2" BSPT	1" BSPP	£27.00
SJ-F31-3220	2" BSPT	1 1/4" BSPP	£27.00
SJ-F31-3224	2" BSPT	1 1/2" BSPP	£27.00
SJ-F31-4016	2 1/2" BSPT	1" BSPP	£37.64
SJ-F31-4020	2 1/2" BSPT	1 1/4" BSPP	£38.70
SJ-F31-4024	2 1/2" BSPT	1 1/2" BSPP	£38.20
SJ-F31-4824	3" BSPT	1 1/2" BSPP	£55.56
SJ-F31-4832	3" BSPT	2" BSPP	£53.82
SJ-F31-4840	3" BSPT	2 1/2" BSPP	£52.22
SJ-F31-6432	4" BSPT	2" BSPP	£96.83
SJ-F31-6440	4" BSPT	2 1/2" BSPP	£94.27
SJ-F31-6448	4" BSPT	3" BSPP	£92.96

PART NUMBER	FEMALE	FEMALE	PRICE
SJ-F32-0402	1/4" BSPP	1/8" BSPP	£2.19
SJ-F32-0602	3/8" BSPP	1/8" BSPP	£2.82
SJ-F32-0604	3/8" BSPP	1/4" BSPP	£2.94
SJ-F32-0802	1/2" BSPP	1/8" BSPP	£4.00
SJ-F32-0804	1/2" BSPP	1/4" BSPP	£4.07
SJ-F32-0806	1/2" BSPP	3/8" BSPP	£4.32
SJ-F32-1202	3/4" BSPP	1/8" BSPP	£5.25
SJ-F32-1204	3/4" BSPP	1/4" BSPP	£5.32
SJ-F32-1206	3/4" BSPP	3/8" BSPP	£5.69
SJ-F32-1208	3/4" BSPP	1/2" BSPP	£6.44
SJ-F32-1604	1" BSPP	1/4" BSPP	£8.13
SJ-F32-1606	1" BSPP	3/8" BSPP	£8.82
SJ-F32-1608	1" BSPP	1/2" BSPP	£9.63
SJ-F32-1612	1" BSPP	3/4" BSPP	£9.69
SJ-F32-2008	1 1/4" BSPP	1/2" BSPP	£13.13
SJ-F32-2012	1 1/4" BSPP	3/4" BSPP	£13.13
SJ-F32-2016	1 1/4" BSPP	1" BSPP	£14.07
SJ-F32-2408	1 1/2" BSPP	1/2" BSPP	£16.63
SJ-F32-2412	1 1/2" BSPP	3/4" BSPP	£16.88
SJ-F32-2416	1 1/2" BSPP	1" BSPP	£18.57
SJ-F32-2420	1 1/2" BSPP	1 1/4" BSPP	£18.75
SJ-F32-3212	2" BSPP	3/4" BSPP	£23.57
SJ-F32-3216	2" BSPP	1" BSPP	£24.38
SJ-F32-3220	2" BSPP	1 1/4" BSPP	£25.63
SJ-F32-3224	2" BSPP	1 1/2" BSPP	£26.82
SJ-F32-4016	2 1/2" BSPP	1" BSPP	£44.08
SJ-F32-4020	2 1/2" BSPP	1 1/4" BSPP	£45.20
SJ-F32-4024	2 1/2" BSPP	1 1/2" BSPP	£45.58
SJ-F32-4032	2 1/2" BSPP	2" BSPP	£46.82
SJ-F32-4824	3" BSPP	1 1/2" BSPP	£58.05
SJ-F32-4832	3" BSPP	2" BSPP	£59.18
SJ-F32-4840	3" BSPP	2 1/2" BSPP	£63.49
SJ-F32-6432	4" BSPP	2" BSPP	£96.50
SJ-F32-6440	4" BSPP	2 1/2" BSPP	£96.50
SJ-F32-6448	4" BSPP	3" BSPP	£96.50

## FLANGES

New

RAISED FACE BLIND FLANGE  
NOMINAL BORE ASA

1750

PART NUMBER	SIZE	PRICE
FLAF150B-08-SS	1/2"	£19.60
FLAF150B-12-SS	3/4"	£27.60
FLAF150B-16-SS	1"	£42.88
FLAF150B-40-SS	2"	£94.32
FLAF150B-48-SS	3"	£201.76

New

RAISED FACE BLIND FLANGE  
PN16 TYPE 05 NOMINAL BORE

1750

PART NUMBER	SIZE	PRICE
FLAF1680RF-08-SS	1/2"	£27.52
FLAF1680RF-12-SS	3/4"	£41.52
FLAF1681RF-16-SS	1"	£52.24
FLAF1682RF-40-SS	2"	£98.40
FLAF1683RF-48-SS	3"	£173.44

New

RAISED FACE SLIP-ON FLANGE  
NOMINAL BORE ASA

1750

PART NUMBER	SIZE	PRICE
FLAF150SO-08-SS	1/2"	£18.24
FLAF150SO-16-SS	1"	£52.00
FLAF150SO-24-SS	1 1/2"	£55.20
FLAF150SO-40-SS	2"	£75.20

New

RAISED FACE SLIP ON FLANGE  
NOMINAL BORE PN16 TYPE 01

1750

PART NUMBER	SIZE	PRICE
FLAF1630SO-08-SS	1/2"	£27.52
FLAF1630SO-12-SS	3/4"	£41.52
FLAF1630SO-16-SS	1"	£52.24
FLAF1630SO-24-SS	1 1/2"	£79.20
FLAF1630SO-40-SS	2"	£98.40
FLAF1630SO-48-SS	3"	£173.44

For bolt kits see page 817



## DESCRIPTION

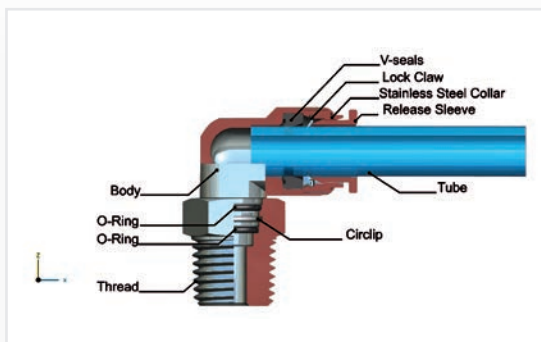
316L stainless steel push-in fittings (metric tube, BSPT/BSPP/FKM seals). Approved with ISO9001:2008, RoHS, CE. Withstands corrosive environments to aggressive fluid, can be used with food, medical and chemical applications and extreme hot or cold conditions.

## SPECIFICATIONS

Medium	Air, water, oil
Working pressure	0 – 225 psi (0 – 15 bar)
Vacuum rating	to 28" Hg
Working temperature	-15°C to +220°C
Applicable tubings	PTFE, FEP, PU, PE, PA, PVDF

## MATERIALS

Body	Stainless steel 316L
Release sleeve	Stainless steel 316L
Collar / lock claw	Stainless steel 316L
V-seals / O-rings	FKM



New



## COUPLING

### BSPP / METRIC FEMALE

1745

PART NUMBER	TUBE OD	FEMALE	PRICE
<b>SSPCF6-01</b>	6 mm	1/8" BSPP	£12.20
<b>SSPCF6-02</b>	6 mm	1/4" BSPP	£13.28
<b>SSPCF8-02</b>	8 mm	1/4" BSPP	£13.76
<b>SSPCF8-03</b>	8 mm	3/8" BSPP	£13.84
<b>SSPCF10-02</b>	10 mm	1/4" BSPP	£17.96

New



## ELBOW

### BSPT / METRIC MALE

1745

PART NUMBER	TUBE OD	MALE	PRICE
<b>SSPL6-01</b>	6 mm	1/8" BSPT	£16.56
<b>SSPL6-02</b>	6 mm	1/4" BSPT	£17.92
<b>SSPL8-02</b>	8 mm	1/4" BSPT	£21.20
<b>SSPL8-03</b>	8 mm	3/8" BSPT	£23.96
<b>SSPL10-02</b>	10 mm	1/8" BSPT	£30.08

Fourteen

New



## COUPLING

### BSPT / METRIC MALE

1745

PART NUMBER	TUBE OD	MALE	PRICE
<b>SSPC6-01</b>	6 mm	1/8" BSPT	£10.36
<b>SSPC6-02</b>	6 mm	1/4" BSPT	£10.80
<b>SSPC8-02</b>	8 mm	1/4" BSPT	£11.20
<b>SSPC8-03</b>	8 mm	3/8" BSPT	£11.84
<b>SSPC10-02</b>	10 mm	1/4" BSPT	£15.96

New



## EQUAL ELBOW

1745

PART NUMBER	TUBE OD	PRICE
<b>SSPUL6</b>	6 mm	£17.12
<b>SSPUL8</b>	8 mm	£20.44
<b>SSPUL10</b>	10 mm	£32.80

New



## EQUAL STRAIGHT

1745

PART NUMBER	TUBE OD	PRICE
<b>SSPUC6</b>	6 mm	£17.60
<b>SSPUC8</b>	8 mm	£18.96
<b>SSPUC10</b>	10 mm	£25.84

New



## EQUAL TEE

1745

PART NUMBER	TUBE OD	PRICE
<b>SSPUT6</b>	6 mm	£24.88
<b>SSPUT8</b>	8 mm	£29.56
<b>SSPUT10</b>	10 mm	£48.96

## MINI BALL VALVE

### SPECIFICATIONS

Temperature range	-50°C to +232°C (-58°F to +450°F)
Thread details	ISO 228/1 BSPP

### MATERIALS

Body and Ball	CF8M/CF8
Seat	15% R-PTFE
Stem	304

New



2220

### REDUCED BORE MINI BALL VALVE BSPP MALE / BSPP FEMALE

PART NUMBER	FEMALE	MALE	WORKING PRESSURE	PRICE
<b>SJ-B/V11-04</b>	1/4" BSPP	1/4" BSPP	1000 psi	£31.80
<b>SJ-B/V11-06</b>	3/8" BSPP	3/8" BSPP	1000 psi	£32.94
<b>SJ-B/V11-08</b>	1/2" BSPP	1/2" BSPP	1000 psi	£38.65

New



2220

### REDUCED BORE MINI BALL VALVE BSPP FEMALE

PART NUMBER	FEMALE	WORKING PRESSURE	PRICE
<b>SJ-B/V10-04</b>	1/4" BSPP	1000 psi	£29.12
<b>SJ-B/V10-06</b>	3/8" BSPP	1000 psi	£30.06
<b>SJ-B/V10-08</b>	1/2" BSPP	1000 psi	£34.58
<b>SJ-B/V10-08</b>	1/2" BSPP	1000 psi	£34.58

## CHECK VALVE & Y STRAINER

### MATERIALS

Body	ASTM A-351 Gr.CF8M (DIN 1.4408)
Ball and Stem	316 stainless steel
Seat	PTFE



2220

### SWING CHECK VALVE BSPP FEMALE

PART NUMBER	FEMALE	WORKING PRESSURE	PRICE
<b>SJ-C10-08</b>	1/2" BSPP	200 psi	£51.41
<b>SJ-C10-12</b>	3/4" BSPP	200 psi	£65.90
<b>SJ-C10-16</b>	1" BSPP	200 psi	£88.65
<b>SJ-C10-20</b>	1 1/4" BSPP	200 psi	£122.29
<b>SJ-C10-24</b>	1 1/2" BSPP	200 psi	£169.98
<b>SJ-C10-32</b>	2" BSPP	200 psi	£214.20

New



2220

### Y STRAINER BSPP FEMALE

PART NUMBER	FEMALE	PRICE
<b>SJ-YS04</b>	1/4" BSPP	£31.25
<b>SJ-YS06</b>	3/8" BSPP	£31.25
<b>SJ-YS08</b>	1/2" BSPP	£38.15
<b>SJ-YS12</b>	3/4" BSPP	£62.46
<b>SJ-YS16</b>	1" BSPP	£72.87

## ONE, TWO AND THREE PIECE SCREWED BALL VALVES

### SPECIFICATIONS

Temperature range	-50°C to +232°C (-58°F to +450°F)
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### MATERIALS

Body	ASTM A-351 Gr.CF8M (DIN 1.4408)
Ball and Stem	316 stainless steel
Seat	PTFE

### THREAD DETAILS

ANSI B1.20.1 (NPT), DIN 259 / DIN 2999, ISO 228: BSP: PT

### ONE PIECE BALL VALVE BSPP FEMALE REDUCED BORE



2220

PART NUMBER	FEMALE	WORKING PRESSURE	PRICE
<b>SJ-V10-04</b>	1/4" BSPP	800 psi	£21.11
<b>SJ-V10-06</b>	3/8" BSPP	800 psi	£21.11
<b>SJ-V10-08</b>	1/2" BSPP	800 psi	£24.32
<b>SJ-V10-12</b>	3/4" BSPP	800 psi	£29.24
<b>SJ-V10-16</b>	1" BSPP	800 psi	£39.38
<b>SJ-V10-20</b>	1 1/4" BSPP	800 psi	£62.50
<b>SJ-V10-24</b>	1 1/2" BSPP	800 psi	£75.10
<b>SJ-V10-32</b>	2" BSPP	800 psi	£106.79

### TWO PIECE BALL VALVE BSPP FEMALE FULL FLOW



2220

PART NUMBER	FEMALE	WORKING PRESSURE	PRICE
<b>SJ-V20-04</b>	1/4" BSPP	1000 psi	£24.95
<b>SJ-V20-06</b>	3/8" BSPP	1000 psi	£24.95
<b>SJ-V20-08</b>	1/2" BSPP	1000 psi	£30.94
<b>SJ-V20-12</b>	3/4" BSPP	1000 psi	£39.69
<b>SJ-V20-16</b>	1" BSPP	1000 psi	£60.74
<b>SJ-V20-20</b>	1 1/4" BSPP	1000 psi	£87.13
<b>SJ-V20-24</b>	1 1/2" BSPP	1000 psi	£118.38
<b>SJ-V20-32</b>	2" BSPP	1000 psi	£181.95

### THREE PIECE BALL VALVE BSPP FEMALE FULL FLOW



2220

PART NUMBER	FEMALE	WORKING PRESSURE	PRICE
<b>SJ-V30-04</b>	1/4" BSPP	1000 psi	£36.54
<b>SJ-V30-06</b>	3/8" BSPP	1000 psi	£36.54
<b>SJ-V30-08</b>	1/2" BSPP	1000 psi	£45.99
<b>SJ-V30-12</b>	3/4" BSPP	1000 psi	£60.17
<b>SJ-V30-16</b>	1" BSPP	1000 psi	£84.11
<b>SJ-V30-20</b>	1 1/4" BSPP	1000 psi	£125.88
<b>SJ-V30-24</b>	1 1/2" BSPP	1000 psi	£169.79
<b>SJ-V30-32</b>	2" BSPP	1000 psi	£248.85

MINI SERIES

FEATURES

- Suitable for high pressure use, corrosion and chemical resistance
- Good performance in chemically working environments and outdoor facility
- Large flow rate and effectively removes water and particles
- Accurate and sensitive pressure setting
- Lightweight, compact size for space saving

SPECIFICATIONS

Media	Compressed air
Max. inlet pressure	30 bar
Pressure range	0.5 – 20 bar
Media temperature	-10°C to +60°C
Ambient temperature	-10°C to +60°C
Filtration	5 micron
Thread	BSP
Weight	1380 g

MATERIALS

Body, bowl, filter element & pressure gauge 316 stainless steel

FEATURES

- Suitable for high pressure use, corrosion and chemical resistance
- Good performance in chemically working environments and outdoor facility
- Large flow rate and effectively removes water and particles
- Accurate and sensitive pressure setting
- Lightweight, compact size for space saving

SPECIFICATIONS

Media	Compressed air
Max. inlet pressure	30 bar
Pressure range	0.5 – 20 bar
Ambient temperature	-10°C to +60°C
Weight	1200 g
Thread	BSP

MATERIALS

Body 316 stainless steel  
Pressure gauge Case – 304 stainless steel  
Thread – 316 stainless steel

STANDARD SERIES

SPECIFICATIONS

Media	Air, water, oil, steam
Pressure range	0 to 16 bar max
Media temperature	-10°C to +200°C max
Ambient temperature	+5°C to +60°C
Pilot media	Air, water, gas
Pilot pressure	5 to 8 bar

MATERIALS

Body, tube, piston and internal parts AISI 316 (CF8M) stainless steel  
Actuator AISI 304 stainless steel (Rotation 360°)  
Seals and gaskets Valve – PTFE, Actuator – FKM

New

STAINLESS STEEL FILTER REGULATOR  
0.5 – 20 BAR



1720

PART NUMBER	PORT SIZE	MAX. FLOW RATE @ 6 BAR	DRAIN TYPE	PRICE
SSFR500-02	1/4"	1850 l/min	Semi-auto	£437.35

New

STAINLESS STEEL REGULATOR  
0.5 – 20 BAR



1720

PART NUMBER	PORT SIZE	MAX. FLOW RATE @ 6 BAR	PRICE
SSR200	1/4"	1850 l/min	£342.88

New

STAINLESS STEEL  
ANGLE SEAT PISTON VALVE  
2-WAY DIRECT ACTING –  
NORMALLY CLOSED



1720

PART NUMBER	PORT SIZE	FLOW RATE (KV)	ORIFICE	ACTUATOR	PRICE
ASPV10SS-316	3/8"	75 l/min	10 mm	40 mm	£145.70
ASPV15SS-316	1/2"	15 l/min	15 mm	40 mm	£145.70
ASPV20SS-316	3/4"	20 l/min	20 mm	50 mm	£164.71
ASPV25SS-316	1"	25 l/min	25 mm	50 mm	£183.75
ASPV32SS-316	1 1/4"	32 l/min	32 mm	63 mm	£278.76
ASPV40SS-316	1 1/2"	40 l/min	40 mm	80 mm	£323.27
ASPV50SS-316	2"	50 l/min	50 mm	80 mm	£354.82

## STANDARD SERIES

### FEATURES

- Excellent corrosion and chemical resistance
- Good performance for outdoor facility
- Effectively removes water and particles
- Accurate and sensitive pressure testing

### SPECIFICATIONS

Media	Compressed air
Ambient temperature	-10°C to +70°C
Filtration	5 micron
Thread	BSP

### MATERIALS

Body, bowl & filter element	316 stainless steel
Pressure gauge	Case – 304 stainless steel Thread – 316 stainless steel

### FEATURES

- Suitable for high pressure use, corrosion and chemical resistance
- Good performance for outdoor facility
- Accurate and sensitive pressure setting

### SPECIFICATIONS

Media	Air
Max. inlet pressure	30 bar
Test pressure	60 bar
Ambient temperature	-10°C to +70°C
Thread	BSP

### MATERIALS

Body	316 stainless steel
Pressure gauge	Case – 304 stainless steel Thread – 316 stainless steel

New

### STAINLESS STEEL FILTER REGULATOR 0.5 – 12 BAR



1720

PART NUMBER	PORT SIZE	MAX. FLOW RATE @ 6 BAR	DRAIN TYPE	PRICE
USFRB02	1/4"	2200 l/min	Semi auto	£475.82
USFRB03	3/8"	2500 l/min	Semi auto	£475.82
USFRB04	1/2"	3800 l/min	Semi auto	£475.82
USFRB06H	3/4"	8500 l/min	Manual	£1231.52
USFRB08H	1"	8900 l/min	Manual	£1231.52

### 12 – 28 BAR

USFR02	1/4"	2200 l/min	Semi auto	£475.82
USFR03	3/8"	2500 l/min	Semi auto	£475.82
USFR04	1"	3800 l/min	Semi auto	£475.82
USFR06H	3/4"	17000 l/min	Manual	£1231.52
USFR08H	1"	21000 l/min	Manual	£1231.52

New

### STAINLESS STEEL REGULATOR 0.5 – 12 BAR

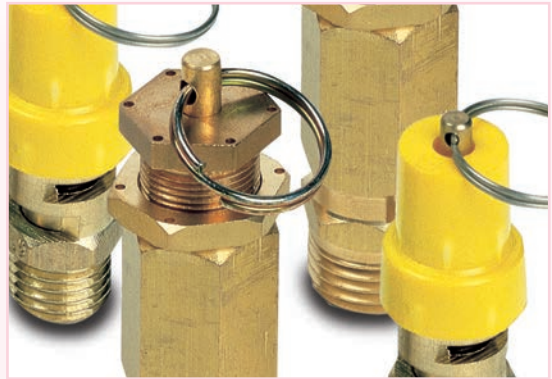
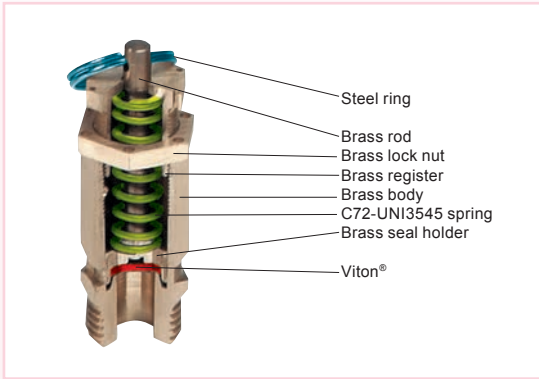


1720

PART NUMBER	PORT SIZE	MAX. FLOW RATE @ 6 BAR	PRICE
USRB02	1/4"	1950 l/min	£391.85
USRB03	3/8"	2250 l/min	£391.85
USRB04	1/2"	2520 l/min	£391.85
USRB06	3/4"	9000 l/min	£1035.61
USRB08	1"	9400 l/min	£1035.61

### 12 – 28 BAR

USR02	1/4"	1950 l/min	£391.85
USR03	3/8"	2250 l/min	£391.85
USR04	1/2"	2520 l/min	£391.85
USR06	3/4"	18000 l/min	£1035.61
USR08	1"	22000 l/min	£1035.61



DESCRIPTION	
Safety valve with adjustable spring.	
SPECIFICATIONS	
Max. working pressure	16 bar (Series FP-200M1018.A up to 18 bar)
Temperature range	-10°C to +85°C

DESCRIPTION	
Pressure relief valve with set spring. Set safety valve registering is stopped by means of fixed plastic hood. It can be removed only when it's broken.	
SPECIFICATIONS	
Max. working pressure	18 bar
Temperature range	-10°C to +85°C

**New**

**PRESSURE RELIEF VALVE  
ADJUSTABLE  
MANUAL EXHAUST RING**



1925

**New**

**PRESSURE RELIEF VALVE  
SET PRESSURE  
PLASTIC HOOD, MANUAL EXHAUST RING**



1925

PART NUMBER	THREAD	ADJUSTABLE PRESSURE	PRICE
FP-200M0002.A	1/4" BSPP	0 – 2 bar	£14.28
FP-200M0206.A	1/4" BSPP	2 – 6 bar	£14.28
FP-200M0610.A	1/4" BSPP	6 – 10 bar	£14.28
FP-200M1018.A	1/4" BSPP	10 – 18 bar	£14.28
FP-221M0002A	3/8" BSPP	0 – 2 bar	£32.52
FP-221M0208A	3/8" BSPP	2 – 8 bar	£29.88
FP-221M0816A	3/8" BSPP	8 – 16 bar	£28.44
FP-222M0002A	1/2" BSPP	0 – 2 bar	£34.08
FP-222M0208A	1/2" BSPP	2 – 8 bar	£32.52
FP-222M0816A	1/2" BSPP	8 – 16 bar	£29.88
FP-223M0002A	3/4" BSPP	0 – 2 bar	£87.60
FP-223M0208A	3/4" BSPP	2 – 8 bar	£83.52
FP-223M0816A	3/4" BSPP	8 – 16 bar	£79.44
FP-224M0004A	1" BSPP	0 – 4 bar	£121.20
FP-224M0408A	1" BSPP	4 – 8 bar	£117.12
FP-224M0816A	1" BSPP	8 – 16 bar	£112.56

PART NUMBER	THREAD	SET PRESSURE	PRICE
FP-200C05.0A	1/4" BSPP	5.0 bar	£20.04
FP-200C05.5A	1/4" BSPP	5.5 bar	£20.04
FP-200C06.0A	1/4" BSPP	6.0 bar	£20.04
FP-200C06.5A	1/4" BSPP	6.5 bar	£20.04
FP-200C07.0A	1/4" BSPP	7.0 bar	£20.04
FP-200C07.5A	1/4" BSPP	7.5 bar	£20.04
FP-200C08.0A	1/4" BSPP	8.0 bar	£20.04
FP-200C08.5A	1/4" BSPP	8.5 bar	£20.04
FP-200C09.0A	1/4" BSPP	9.0 bar	£20.04
FP-200C09.5A	1/4" BSPP	9.5 bar	£20.04
FP-200C10.0A	1/4" BSPP	10.0 bar	£20.04
FP-200C11.0A	1/4" BSPP	11.0 bar	£20.04
FP-200C12.0A	1/4" BSPP	12.0 bar	£20.04

Other set pressures available upon request



## VALVE

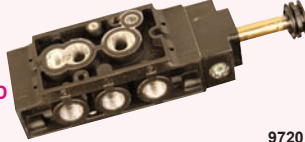
- In-line or manifold mount
- Balanced spool construction allows ports to be plugged for 2-way or 3-way function

## SOLENOID

- Three-way pilot uses full air line pressure to shift the valve
- Pilot is internally supplied when the pressure at port 1 is 35 – 150 psi
- Coil is hermetically sealed as an integral watertight molded unit
- Explosion proof versions available
- Push non-locking override is standard

New

### NAMUR SINGLE SOLENOID SPRING VALVE BODY ONLY



9720

PART NUMBER	FUNCTION	PORT SIZE	PRICE
AVCD0603GAWR	3/2	1/4"	£112.10
AVCD2003ACWR	5/2	1/4"	£153.63

New

### SINGLE SOLENOID VALVE SPRING RETURN – BODY ONLY



9720

PART NUMBER	FUNCTION	PORT SIZE	PRICE
AVCL2003GAWR	3/2	1/4"	£140.19
AVCL2003AAWR	5/2	1/4"	£171.63

New

### DOUBLE SOLENOID VALVE BODY ONLY



9720

PART NUMBER	FUNCTION	PORT SIZE	PRICE
AVCL2003GBWW	3/2	1/4"	£204.88
AVCL2003ABWW	5/2	1/4"	£236.32

New

### SINGLE PILOT VALVE SPRING RETURN



9720

PART NUMBER	FUNCTION	PORT SIZE	PRICE
AVCL2003GAAR	3/2	1/4"	£111.18
AVCL2003AAAR	5/2	1/4"	£142.62

New

### DOUBLE PILOT VALVE



9720

PART NUMBER	FUNCTION	PORT SIZE	PRICE
AVCL2003GBAA	3/2	1/4"	£146.87
AVCL2003ABAA	5/2	1/4"	£178.31

New

### FLYING LEAD NEMA COIL

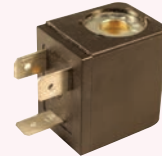


9720

PART NUMBER	VOLTAGE	PRICE
AVC7019-9AAG	120 / 50	£29.02
AVC7019-9ABG	240 / 60	£29.02
AVC7019-9DAG	24 / 50	£29.02
AVC7019-9DBG	24 V DC	£29.02

New

### DIN CONNECTION COIL



9720

PART NUMBER	VOLTAGE	PRICE
AVC7019-9AA	120 / 50	£29.02
AVC7019-9AB	240 / 60	£29.02
AVC7019-9DA	24 / 50	£29.02
AVC7019-9DB	24 V DC	£29.02

New

### DIN PLUG



9720

PART NUMBER	DESCRIPTION	PRICE
AVC7020-001	Black	£15.04
AVC7020-006	LED	£37.37

New

### POPPET SOLENOID VALVE SPRING RETURN – BODY ONLY



9720

PART NUMBER	FUNCTION	PORT SIZE	PRICE
AVCP0605GAWR-W	3/2	1/2"	£474.00
AVCP1407GAWR-W	3/2	1"	£655.81

New

**LEVER LEVER VALVE**  
HAND LEVER – DETENTED



9720

PART NUMBER	FUNCTION	PORT SIZE	PRICE
AVCL2003BAFM	5/2	1/4"	£286.14

New

**LEVER SPRING VALVE**

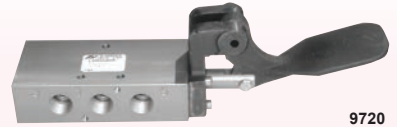


9720

PART NUMBER	FUNCTION	PORT SIZE	PRICE
AVCL2003AAFR	5/2	1/4"	£241.64

New

**FOOT PEDAL**  
SPRING RETURN



9720

PART NUMBER	FUNCTION	PORT SIZE	PRICE
AVCL2003AAKR	5/2	1/4"	£251.82

New

**PUSH / PULL**  
PALM BUTTON VALVE  
DETENTED



9720

PART NUMBER	FUNCTION	PORT SIZE	PRICE
AVCL2003BAIM	5/2	1/4"	£296.32

New

**PALM BUTTON SPRING VALVE**



9720

PART NUMBER	FUNCTION	PORT SIZE	PRICE
AVCL2003BAIR	5/2	1/4"	£268.98

For CDC plastic push-in fittings see section 11

**FEATURES**

SicoVACUUM is the simple, cost-effective and quick installation system for central vacuum systems in auto repair shops and production lines. An aluminium conduit, external powder-coated (RAL 7040) and internally phosphochromatised, is at the base of the SicoVACUUM lines. A 63 mm diameter is employed as an optimal compromise between system compactness and intake volumes, thanks to an extremely low coefficient of friction inside the pipe.

**The System**

- Easy and rapid installation
- Reduced pressure drop
- Corrosion resistance
- Reusable
- Fire resistant
- UV resistant
- Good shock resistance
- No welding

**PIPES SPECIFICATIONS**

Material	Aluminium EN AW-6060 T6
Coating	RAL 7001 electrostatic coating
Temperature	-20°C to +70°C
Pressure	-0.8 to +15 bar
Compatible fluids	Compressed air vacuum nitrogen

**FITTINGS SPECIFICATIONS**

Body	Black nylon
Coupling ring	Grey nylon
Ring	AISI 301 stainless steel
Sealing	NBR O-ring
Temperature	-20°C to +70°C
Pressure	-0.6 to +12.5 bar
Compatible fluids	Compressed air vacuum nitrogen



**PIPE FOR VACUUM**

New

**GREY ALUMINIUM PIPE  
6 METRE LENGTH**



5400

PART NUMBER	PIPE OD	PIPE ID	PRICE
r0590630596G	63 mm	59 mm	£163.43

**FITTINGS FOR VACUUM**

New

**EQUAL UNION**



5410

PART NUMBER	PIPE SIZE	PIPE SIZE	PRICE
rV210063063	63 mm	63 mm	£30.34

New

**EQUAL ELBOW**



5410

PART NUMBER	PIPE SIZE	PIPE SIZE	PRICE
rV213063063	63 mm	63 mm	£33.28

New

**45° ELBOW**



5410

PART NUMBER	PIPE SIZE	PIPE SIZE	PRICE
rV245063063	63 mm	63 mm	£33.28

Carriage for  
6 metre lengths  
charged at cost

Please ask for  
details

New



5410

EQUAL TEE

PART NUMBER	PIPE SIZE	PIPE SIZE	PRICE
rV214063000	63 mm	63 mm	£47.21

New



5410

END CAP

PART NUMBER	PIPE SIZE	PRICE
rV221063000	63 mm	£19.51

New



5410

FEMALE TEE

PART NUMBER	PIPE SIZE	THREAD	PRICE
rV215063002	63 mm	2"	£51.08

New



5410

STRAIGHT UNION COUPLING 3 PIECE

PART NUMBER	PIPE SIZE	THREAD	PRICE
rV220063002	63 mm	2"	£181.07
rV220063212	63 mm	2 1/2"	£235.24

New



5410

STRAIGHT MALE COUPLING

PART NUMBER	PIPE SIZE	THREAD	PRICE
rV211063002	63 mm	2"	£23.22
rV211063212	63 mm	2 1/2"	£26.62

New



5410

STRAIGHT UNION COUPLING WITH BALL VALVE

PART NUMBER	PIPE SIZE	THREAD	PRICE
rV224063002	63 mm	2"	£198.10
rV224063212	63 mm	2 1/2"	£256.91

New



5410

STRAIGHT MALE ALUMINIUM COUPLING

PART NUMBER	PIPE SIZE	THREAD	PRICE
rV203063002	63 mm	2"	£117.62

New



5410

STRAIGHT FEMALE COUPLING

PART NUMBER	PIPE SIZE	THREAD	PRICE
rV201063002	63 mm	2"	£24.15

New



5410

STRAIGHT UNION COUPLING 3 PIECE WITH BALL VALVE

PART NUMBER	PIPE SIZE	THREAD	PRICE
rV225063002	63 mm	2"	£311.07
rV225063212	63 mm	2 1/2"	£403.93

New



5410

STRAIGHT FEMALE ALUMINIUM COUPLING

PART NUMBER	PIPE SIZE	THREAD	PRICE
rV202063002	63 mm	2"	£117.62

New



5410

GREY NUT

PART NUMBER	PIPE SIZE	PRICE
rV209063000	63 mm	£6.74

Gripping o-ring 63 mm available on Page 815

**THE SYSTEM**

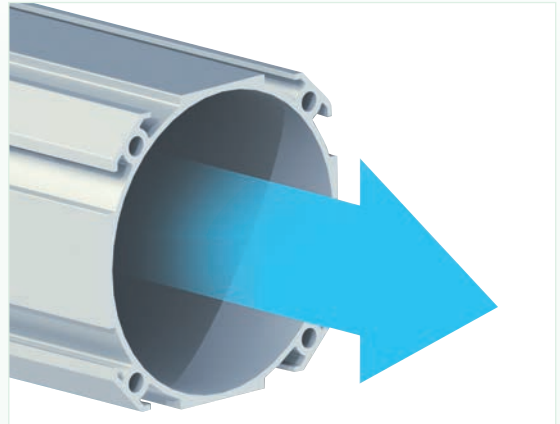
- Speed and simple installation
- Easy fit hinges
- Low maintenance
- High safety
- Reduced pressure drop
- Corrosion resistance
- Reusable
- Fire resistance
- UV resistance
- Good shock resistance
- No welding

**PIPE SPECIFICATIONS**

Material	Aluminium EN AW-6063 T6
Paint	RAL 5015 and 7001 electrostatic painting
Suitable for	Compressed air
Temperature	-20°C to +70°C
Pressure	-0.8 to +16 bar

**FITTING SPECIFICATIONS**

Body	EN AB 46100 aluminium
Sealing	NBR O-ring
Suitable for	Compressed air
Temperature	-20°C to +70°C
Pressure	-0.8 to +12.5 bar



**ALUMINIUM PROFILE MODULAR LINES**

New



**ANODISED ALUMINIUM PROFILE  
6 METRE LENGTH**

5400

PART NUMBER	PIPE OD	PIPE ID	PRICE
rAR085085806	85 mm	80 mm	£379.08
rAR1151151106	115 mm	110 mm	£631.80

Carriage for  
6 metre lengths  
charged at cost  
  
Please ask for  
details

Sixteen

**ALUMINIUM PROFILE FITTINGS**

New



**STRAIGHT CONNECTOR**

5410

PART NUMBER	PIPE SIZE	PRICE
rAR210080080	80 mm	£42.55
rAR210110110	110 mm	£67.53

New



**ELBOW CONNECTOR**

5410

PART NUMBER	PIPE SIZE	PRICE
rAR213080080	80 mm	£59.20
rAR213110110	110 mm	£148.00

New



5410

TEE CONNECTOR

PART NUMBER	PIPE SIZE	PRICE
rAR214080080	80 mm	£81.40
rAR214110110	110 mm	£203.50

New



5410

FIXED ANCHOR BRACKET

PART NUMBER	FOR USE WITH	PRICE
rAR085085100	Sico80	£27.75
rAR115115100	Sico110	£27.75

New



5410

STRAIGHT EXPANSION JOINT

PART NUMBER	PIPE SIZE	PRICE
rAR226110110	110 mm	£592.00

New



5410

ADJUSTABLE ANCHOR BRACKET

PART NUMBER	FOR USE WITH	PRICE
rAR085085200	Sico80	£27.75
rAR115115200	Sico110	£27.75

New



5410

90° ELBOW EXPANSION JOINT

PART NUMBER	PIPE SIZE	PRICE
rAR227110110	110 mm	£1846.30

New

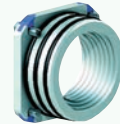


5410

CHAMFERING TOOL

PART NUMBER	FOR USE WITH	PRICE
rAR230110000	Sico110	£666.00

New



5410

END PLATE FEMALE THREAD

PART NUMBER	PIPE SIZE	THREAD	PRICE
rAR201080002	80 mm	2"	£42.55
rAR201110003	110 mm	3"	£116.55

New



5410

WALL MOUNTING BRACKET

PART NUMBER	FOR USE WITH	PRICE
rAR228320000	Sico80	£31.45
rAR238520000	Sico110	£59.20

New

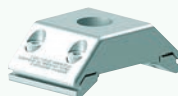


5400

CAP

PART NUMBER	PIPE SIZE	PRICE
rAR221080000	80 mm	£38.85
rAR221110000	110 mm	£72.15

New



5410

OUTLET PLATE

PART NUMBER	PIPE SIZE	THREAD	PRICE
rAR208080012	80 mm	1/2"	£48.10
rAR208110001	110 mm	1"	£49.03
rAR208110012	110 mm	1/2"	£48.10

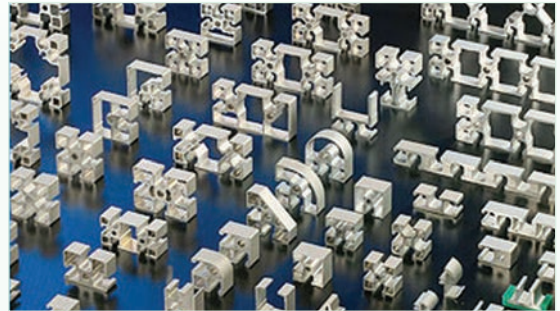
### DESCRIPTION

The range of Alusic structural profiles is composed by different lines of product to satisfy all the demands of the industrial sector and more.

All the profiles are made by extrusion of primary aluminium alloy EN-AW6060, or upon request by EN-AW 6063. The metallurgical state of supply is T5/T6 to ensure the long lasting absolute stability of the material over years. Usually the bars are supplied anodised with a depth treatment of 12 µm. On request, most of the profiles can be supplied with raw surfaces. The tolerances followed for profiles extrusion are in compliance with the technical normative for the precision extruded profiles UNI-EN 12020-2.

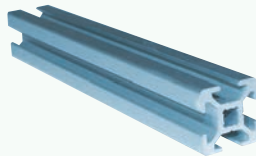
### FEATURES

Anodised aluminium  
Natural colour



## STANDARD PROFILES

New

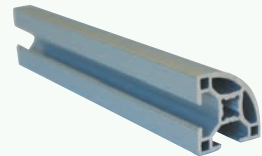


5430

**PROFILE 20X20**  
**SLOT 6 / SERIES 20**

PART NUMBER	LENGTH	PRICE
PR-084111001-1	1 metre	£3.40
PR-084111001-2	2 metres	£6.81
PR-084111001-3	3 metres	£10.21

New



5430

**PROFILE 30X30 ROUND**  
**SLOT 8 / SERIES 30**

PART NUMBER	LENGTH	PRICE
PR-084107005-1	1 metre	£5.69
PR-084107005-2	2 metres	£11.38
PR-084107005-3	3 metres	£17.07

New



5430

**PROFILE 20X40**  
**SLOT 6 / SERIES 20**

PART NUMBER	LENGTH	PRICE
PR-084111002-1	1 metre	£5.89
PR-084111002-2	2 metres	£11.78
PR-084111002-3	3 metres	£17.68

New



5430

**PROFILE 30X60**  
**SLOT 8 / SERIES 30**

PART NUMBER	LENGTH	PRICE
PR-084107003-1	1 metre	£8.79
PR-084107003-2	2 metres	£17.57
PR-084107003-3	3 metres	£26.37

New



5430

**PROFILE 30X30**  
**SLOT 8 / SERIES 30**

PART NUMBER	LENGTH	PRICE
PR-084107002-1	1 metre	£4.90
PR-084107002-2	2 metres	£9.80
PR-084107002-3	3 metres	£14.71

New



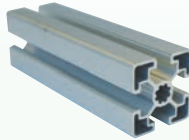
5430

**PROFILE 60X60**  
**SLOT 8 / SERIES 30**

PART NUMBER	LENGTH	PRICE
PR-084107004-1	1 metre	£14.98
PR-084107004-2	2 metres	£29.97
PR-084107004-3	3 metres	£44.96

Carriage for 3 metre lengths charged at cost.  
Please ask for details.

New



**PROFILE 45X45**  
SLOT 10 / SERIES 45

5430

PART NUMBER	LENGTH	PRICE
PR-084105004-1	1 metre	£9.63
PR-084105004-2	2 metres	£19.25
PR-084105004-3	3 metres	£28.88

New



**PROFILE 45X90**  
SLOT 10 / SERIES 45

5430

PART NUMBER	LENGTH	PRICE
PR-084105006-1	1 metre	£18.56
PR-084105006-2	2 metres	£37.13
PR-084105006-3	3 metres	£55.70

New



**PROFILE 45X60**  
SLOT 10 / SERIES 45

5430

PART NUMBER	LENGTH	PRICE
PR-084105007-1	1 metre	£16.61
PR-084105007-2	2 metres	£33.22
PR-084105007-3	3 metres	£49.83

New

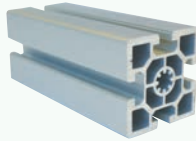


**PROFILE 90X90**  
SLOT 10 / SERIES 45

5430

PART NUMBER	LENGTH	PRICE
PR-084105005-1	1 metre	£32.20
PR-084105005-2	2 metres	£64.41
PR-084105005-3	3 metres	£96.61

New



**PROFILE 60X60**  
SLOT 10 / SERIES 45

5430

PART NUMBER	LENGTH	PRICE
PR-084105008-1	1 metre	£26.11
PR-084105008-2	2 metres	£52.22
PR-084105008-3	3 metres	£78.33

New



**HEAVY PROFILE 90X90**  
SLOT 10 / SERIES 45

5430

PART NUMBER	LENGTH	PRICE
PR-084105009-1	1 metre	£40.56
PR-084105009-2	2 metres	£81.12
PR-084105009-3	3 metres	£121.68

## CLOSING ACCESSORIES

New

**CAP FOR PROFILE 20X20**  
SLOT 6 / SERIES 20

5440

PART NUMBER	QTY IN BOX	PRICE
PR-084201061	10	£2.06

New

**CAP FOR PROFILE 60X60**  
SLOT 8 / SERIES 30

5440

PART NUMBER	QTY IN BOX	PRICE
PR-084201057	50	£3.43

New

**CAP FOR PROFILE 20X40**  
SLOT 6 / SERIES 20

5440

PART NUMBER	QTY IN BOX	PRICE
PR-084201062	50	£2.75

New

**CAP FOR PROFILE 40X40**  
SLOT 10 / SERIES 40

5440

PART NUMBER	DESCRIPTION	PRICE
PR-084201064	Black polyamide cap 40x40	£3.05

New

**CAP FOR PROFILE 30X30**  
SLOT 8 / SERIES 30

5440

PART NUMBER	DESCRIPTION	PRICE
PR-084201041	Black polyamide cap 30x30	£2.40

New

**CAP FOR PROFILE 40X80**  
SLOT 10 / SERIES 40

5440

PART NUMBER	DESCRIPTION	PRICE
PR-084201065	Black polyamide cap 40x80	£4.00

New

**CAP FOR PROFILE 30X60**  
SLOT 8 / SERIES 30

5440

PART NUMBER	QTY IN BOX	PRICE
PR-084201042	50	£2.86

New

**CAP FOR PROFILE 80X80**  
SLOT 10 / SERIES 40

5440

PART NUMBER	DESCRIPTION	PRICE
PR-084201066	Black polyamide cap 80x80	£5.53

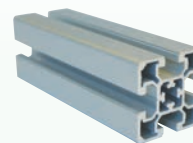


**New**

**PROFILE 40X40  
SLOT 10 / SERIES 40**

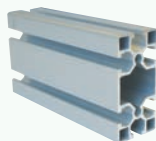
5430

PART NUMBER	LENGTH	PRICE
PR-084113001-1	1 metre	£10.01
PR-084113001-2	2 metres	£20.01
PR-084113001-3	3 metres	£30.02

**New**

**PROFILE 50X50  
SLOT 10 / SERIES 50**

5430

PART NUMBER	LENGTH	PRICE
PR-084109001-1	1 metre	£14.81
PR-084109001-2	2 metres	£29.61
PR-084109001-3	3 metres	£44.42

**New**

**PROFILE 40X80  
SLOT 10 / SERIES 40**

5430

PART NUMBER	LENGTH	PRICE
PR-084113002-1	1 metre	£17.63
PR-084113002-2	2 metres	£35.25
PR-084113002-3	3 metres	£52.88

**New**

**PROFILE 50X100  
SLOT 10 / SERIES 50**

5430

PART NUMBER	LENGTH	PRICE
PR-084109002-1	1 metre	£26.67
PR-084109002-2	2 metres	£53.34
PR-084109002-3	3 metres	£80.00

**New**

**PROFILE 80X80  
SLOT 10 / SERIES 40**

5430

PART NUMBER	LENGTH	PRICE
PR-084113003-1	1 metre	£31.29
PR-084113003-2	2 metres	£62.58
PR-084113003-3	3 metres	£93.87

**New**

**PROFILE 100X100  
SLOT 10 / SERIES 50**

5430

PART NUMBER	LENGTH	PRICE
PR-084109003-1	1 metre	£62.33
PR-084109003-2	2 metres	£124.65
PR-084109003-3	3 metres	£186.98

**CLOSING ACCESSORIES**
**New**
**CAP FOR PROFILE 45X45  
SLOT 10 / SERIES 45**

5440

PART NUMBER	DESCRIPTION	PRICE
PR-084201038	Black polyamide cap 45x45	£2.94

**New**
**CAP FOR PROFILE 90X90  
SLOT 10 / SERIES 45**

5440

PART NUMBER	DESCRIPTION	PRICE
PR-084201040	Standard box 20 pieces	£4.42

**New**
**CAP FOR PROFILE 45X60  
SLOT 10 / SERIES 45**

5440

PART NUMBER	DESCRIPTION	PRICE
PR-084201052	Black polyamide cap 45x60	£2.82

**New**
**CAP FOR PROFILE 50X50  
SLOT 10 / SERIES 50**

5440

PART NUMBER	DESCRIPTION	PRICE
PR-084201055	Standard box 50 pieces	£3.43

**New**
**CAP FOR PROFILE 60X60  
SLOT 10 / SERIES 45**

5440

PART NUMBER	QTY IN BOX	PRICE
PR-084201067	50	£4.20

**New**
**CAP FOR PROFILE 50X100  
SLOT 10 / SERIES 50**

5440

PART NUMBER	DESCRIPTION	PRICE
PR-084201056	Standard box 20 pieces	£5.34

**New**
**CAP FOR PROFILE 45X90  
SLOT 10 / SERIES 45**

5440

PART NUMBER	DESCRIPTION	PRICE
PR-084201039	Black polyamide cap 45x90	£3.40

**New**
**CAP FOR PROFILE 100X100  
SLOT 10 / SERIES 50**

5440

PART NUMBER	DESCRIPTION	PRICE
PR-084201068	Standard box 10 pieces	£7.05

**FIXING ACCESSORIES**

New

**HAMMER HEAD SCREW  
GALVANISED STEEL**



5440

PART NUMBER	SIZE	SLOT	SERIES	PRICE
PR-084301042	M6x16	8	30	£1.22
PR-084301018	M8x20	10	40, 45, 50	£1.53
PR-084301020	M8x30	10	40, 45, 50	£2.10
PR-084301021	M8x40	10	40	£2.48

New

**HAMMER HEAD NUT  
GALVANISED STEEL**



5440

PART NUMBER	SIZE	SLOT	SERIES	PRICE
PR-084302021	M4	6	20	£1.53
PR-084302023	M5/8	8	30	£1.53
PR-084302024	M6/8	8	30	£1.53
PR-084302026	M5/10	10	40, 45, 50	£1.64
PR-084302027	M6/10	10	40, 45, 50	£1.64
PR-084302028	M8/M10	10	40, 45, 50	£1.64

New

**SELF THREADING SCREW  
SLOT 10**



5440

PART NUMBER	DESCRIPTION	SERIES	PRICE
PR-084301037	Screw for slot 10 S 12x35	40, 45, 50	£4.39

**JOINT ACCESSORIES**

New

**PAWL CLAMPING CONNECTOR  
FASTENER  
HORIZONTAL**



5440

PART NUMBER	SLOT	SERIES	PRICE
PR-084306009	10	30	£14.48
PR-084306015	8	30	£12.96

New

**FIXING ANGLES WITH  
ANTIROTATION TEETH / SLOT 8  
27 X 27 MM**



5440

PART NUMBER	DESCRIPTION	PRICE
PR-084305036	Assembling with M6x12 screws	£5.72

New

**PAWL CLAMPING CONNECTOR  
FASTENER – VERTICAL  
GALVANISED STEEL**



5440

PART NUMBER	SLOT	SERIES	PRICE
PR-084306008	10	30	£28.96
PR-084306014	8	30	£12.96

New

**FIXING ANGLES WITH  
ANTIROTATION TEETH / SLOT 10  
42 X 42 MM**



5440

PART NUMBER	DESCRIPTION	PRICE
PR-084305026	Assembling with M8x20 screws	£6.29

New

**SCREW SWIVEL JOINT  
SANDBLASTED ALUMINIUM**



5440

PART NUMBER	PROFILE	PRICE
PR-084311016	45 x 45	£26.40

New

**FIXING ANGLES WITH  
ANTIROTATION TEETH / SLOT 10  
36 X 36 MM**



5440

PART NUMBER	DESCRIPTION	PRICE
PR-084305040	Assembling with M8x20 screws	£6.67

New

**FIXING ANGLES  
18 X 18 MM**



5440

PART NUMBER	DESCRIPTION	PRICE
PR-084305032	Assembling with M6x8 screws	£4.39

New

**FIXING ANGLES WITH  
ANTIROTATION TEETH / SLOT 10  
86 X 86 MM**



5440

PART NUMBER	DESCRIPTION	PRICE
PR-084305030	Assembling with M8x20	£21.91

New



**WELD PLATE FLANGE  
PN16**

5370

PART NUMBER	SIZE	PRICE
FLA25202	25 mm	£16.28
FLA25203	32 mm	£25.08
FLA25204	40 mm	£24.16
FLA25205	50 mm	£32.30
FLA25206	65 mm	£37.19
FLA25207	80 mm	£41.24
FLA25208	100 mm	£59.98

New



**TABLE E SLIP ON PLATE  
FLANGE**

5370

PART NUMBER	SIZE	PRICE
FLA26524	25 mm	£14.52
FLA26525	32 mm	£22.42
FLA26526	40 mm	£33.36
FLA26527	50 mm	£34.48
FLA26528	65 mm	£42.56
FLA26529	80 mm	£50.64
FLA26530	100 mm	£73.60

New



**SLIP ON FLANGE  
PN16**

5370

PART NUMBER	SIZE	PRICE
FLAA4558	25 mm	£28.16
FLAA4559	32 mm	£36.96
FLAA4560	40 mm	£36.96
FLAA4561	50 mm	£42.48
FLAA4562	65 mm	£49.44
FLAA4563	80 mm	£63.92
FLAA4564	100 mm	£75.44

New



**TABLE E DRILLED BLANK  
FLANGE**

5370

PART NUMBER	SIZE	PRICE
FLA26634	25 mm	£15.08
FLA26635	32 mm	£21.28
FLA26636	40 mm	£21.28
FLA26637	50 mm	£24.40
FLA26638	65 mm	£26.32
FLA26639	80 mm	£38.90
FLA26640	100 mm	£58.04

New



**TABLE E SLIP ON FLANGE**

5370

PART NUMBER	SIZE	PRICE
FLA24053	25 mm	£22.24
FLA24054	32 mm	£23.44
FLA24055	40 mm	£27.12
FLA24056	50 mm	£34.48
FLA24057	65 mm	£41.92
FLA24058	80 mm	£56.00
FLA24060	100 mm	£83.36

New



**NON ASBESTOS FLANGE GASKET  
PN16 IBC**

5370

PART NUMBER	SIZE	PRICE
FLA08018	25 mm	£1.60
FLA08019	32 mm	£1.76
FLA08020	40 mm	£2.08
FLA08021	50 mm	£2.40
FLA08022	65 mm	£3.20
FLA08023	80 mm	£4.80
FLA08024	100 mm	£6.08

New



**TABLE E SCREWED FLANGE**

5370

PART NUMBER	THREAD	PRICE
FLA24198	1"	£44.48
FLA24199	1 1/4"	£44.48
FLA24200	1 1/2"	£44.48
FLA24201	2"	£44.48
FLA24202	2 1/2"	£52.88
FLA24203	3"	£68.08
FLA24205	4"	£93.04

New



**NON ASBESTOS FLANGE GASKET  
PN16 FULL FACE**

5370

PART NUMBER	SIZE	PRICE
FLA08038	25 mm	£3.36
FLA08039	32 mm	£4.80
FLA08040	40 mm	£5.28
FLA08041	50 mm	£6.24
FLA08042	65 mm	£7.84
FLA08043	80 mm	£9.12
FLA08044	100 mm	£11.68

Other flanges available upon request

New

### NON ASBESTOS FLANGE GASKET FULL FACE IBC TABLE D/E



5370

PART NUMBER	SIZE	PRICE
FLA09218	25 mm	£1.60
FLA09219	32 mm	£1.76
FLA09220	40 mm	£1.76
FLA09221	50 mm	£2.40
FLA09222	65 mm	£3.20
FLA09223	80 mm	£3.84
FLA09224	100 mm	£6.08

New

### EPDM FLANGE GASKET FULL FACE



5370

PART NUMBER	SIZE	PRICE
FLA09645	50 mm	£6.72
FLA09647	80 mm	£9.92
FLA09648	100 mm	£12.16
FLA09650	150 mm	£16.64
FLA09652	200 mm	£22.72

New

### EPDM FLANGE GASKET PN16 IBC



5370

PART NUMBER	SIZE	PRICE
FLA09445	50 mm	£2.88
FLA09447	80 mm	£5.12
FLA09448	100 mm	£6.48
FLA09450	150 mm	£8.48
FLA09452	200 mm	£12.80

New

### EPDM FLANGE GASKET FULL FACE TABLE D/E



5370

PART NUMBER	SIZE	TABLE	PRICE
FLA09705	50 mm	D / E	£5.92
FLA09707	80 mm	D / E	£8.48
FLA09708	100 mm	D only	£11.68
FLA09710	150 mm	D only	£21.12
FLA09712	200 mm	D only	£22.24

## BOLT KITS

New

### BOLT KIT (AS KITS OF 4) BZP BOLTS FOR FLANGES

5370

PART NUMBER	SIZE	PRICE
BKITM16X50	M16 x 50 mm	£28.64
BKITM16X60	M16 x 60 mm	£30.24
BKITM16X70	M16 x 70 mm	£31.84
BKITM16X80	M16 x 80 mm	£34.40
BKITM16X100	M16 x 100 mm	£35.04

New

### BOLT KIT (AS KITS OF 4) BZP BOLTS FOR FLANGES

5370

PART NUMBER	SIZE	PRICE
BKITM12X50	M12 x 50 mm	£16.16
BKITM12X60	M12 x 60 mm	£17.44
BKITM12X80	M12 x 80 mm	£19.68

Teng Tools see 917-919





# WORM DRIVE & WING SCREW HOSE CLIPS



## FEATURES

Hi-Grip general purpose worm drive hose clips are widely regarded for their quality, durability and ability to withstand a great deal of abuse. They are manufactured to exceed BS5315, which has the highest requirements of any of the international standards and tests sealing ability, clamping force and torque. Also has BSI Kitemark and NATO approval, and exceeds all operational requirements of the relevant DIN and SAE standards. Used for a wide variety of domestic, automotive and industrial applications.

All Hi-Grip hose clips have fully rounded edges to give the best possible protection to the hose.

## SPECIFICATION

All parts: mild steel, bright zinc plated and passivated and tested to EN9227.

New

## HI-GRIP ZINC PLATED WORM DRIVE HOSE CLIPS QTY OF 10



4175

PART NUMBER	CLAMPING RANGE	PRICE PER CLIP
JCS-HGZ12RP	9.5 mm – 12 mm	£0.66
JCS-HGZ16RP	11 mm – 16 mm	£0.67
JCS-HGZ20RP	13 mm – 20 mm	£0.67
JCS-HGZ22RP	14 mm – 22 mm	£0.76
JCS-HGZ25RP	17 mm – 25 mm	£0.78
JCS-HGZ30RP	22 mm – 30 mm	£0.81
JCS-HGZ35RP	25 mm – 35 mm	£0.84
JCS-HGZ40RP	30 mm – 40 mm	£0.88
JCS-HGZ45RP	35 mm – 45 mm	£0.91
JCS-HGZ50RP	35 mm – 50 mm	£0.96
JCS-HGZ55RP	40 mm – 55 mm	£0.98
JCS-HGZ60RP	45 mm – 60 mm	£1.03
JCS-HGZ70RP	50 mm – 70 mm	£1.15
JCS-HGZ80BP	60 mm – 80 mm	£1.17
JCS-HGZ90BP	70 mm – 90 mm	£1.27
JCS-HGZ100BP	80 mm – 100 mm	£1.37
JCS-HGZ120BP	90 mm – 120 mm	£1.68
JCS-HGZ140BP	110 mm – 140 mm	£1.87
JCS-HGZ160BP	130 mm – 160 mm	£2.07

## FEATURES

Hi-Torque heavy duty hose clamps are available in 304 stainless steel, specifically designed for use with tough, wire reinforced hoses that require higher sealing pressures. Used in every application where an adjustable hose clamp is required. Quicker to fit, with no loose parts and a larger adjustment range than any other heavy duty clamp.

## Unique Straight Line Housing

A unique 'straight line' housing ensures that every thread of the screw is fully engaged with the band. This special feature together with a high tensile band and hardened rolled thread screw means that Hi-Torque clamps have more than twice the strength of ordinary worm drive hose clips.

## SPECIFICATION

Recommended setting torque	15 Nm (130 lb.ftn)
Band tensile strength	1150 N/mm <sup>2</sup> approx. (75 tons/in <sup>2</sup> )
Material	All parts BS304 – EN 1.4301/1.4576

New

## HI-TORQUE 304 S/S HOSE CLAMPS



4175

PART NUMBER	CLAMPING RANGE	PRICE
JCS-HTM27P	20 mm – 27 mm	£6.01
JCS-HTM30P	20 mm – 30 mm	£6.01
JCS-HTM35P	20 mm – 35 mm	£6.01
JCS-HTM40P	25 mm – 40 mm	£6.01
JCS-HTM45P	25 mm – 45 mm	£6.10
JCS-HTM50P	30 mm – 50 mm	£6.19
JCS-HTM60P	40 mm – 60 mm	£6.37
JCS-HTM65P	45 mm – 65 mm	£6.46
JCS-HTM70P	50 mm – 70 mm	£6.55
JCS-HTM80P	60 mm – 80 mm	£6.73
JCS-HTM90P	70 mm – 90 mm	£6.92
JCS-HTM95P	75 mm – 95 mm	£7.01
JCS-HTM100P	80 mm – 100 mm	£7.09
JCS-HTM115P	85 mm – 115 mm	£7.36
JCS-HTM120P	90 mm – 120 mm	£7.46
JCS-HTM140P	110 mm – 140 mm	£7.82
JCS-HTM160P	130 mm – 160 mm	£8.19
JCS-HTM180P	150 mm – 180 mm	£8.54
JCS-HTM200P	170 mm – 200 mm	£8.91

## FEATURES

Specifically designed for frequently removed hoses, with dovetail locking and side lugs of the wing plate to ensure excellent sealing and longevity.

## SPECIFICATION

All parts: mild steel, bright zinc plated and passivated.

New

## HI-GRIP ZINC PLATED WING SCREW HOSE CLIPS



4175

PART NUMBER	CLAMPING RANGE	PRICE
JCS-WSZC12BG	9.5 mm – 12 mm	£1.11
JCS-WSZC16BG	11 mm – 16 mm	£1.12
JCS-WSZC20BG	13 mm – 20 mm	£1.12
JCS-WSZC22BG	14 mm – 22 mm	£1.20
JCS-WSZC25BG	17 mm – 25 mm	£1.22
JCS-WSZC30BG	22 mm – 30 mm	£1.25
JCS-WSZC35BG	25 mm – 35 mm	£1.28
JCS-WSZC40BG	30 mm – 40 mm	£1.31
JCS-WSZC45BG	35 mm – 45 mm	£1.34
JCS-WSZC50BG	35 mm – 50 mm	£1.38
JCS-WSZC55BG	40 mm – 55 mm	£1.41
JCS-WSZC60BG	45 mm – 60 mm	£1.45
JCS-WSZC70BG	50 mm – 70 mm	£1.55
JCS-WSZC80BG	60 mm – 80 mm	£1.67
JCS-WSZC90BG	70 mm – 90 mm	£1.78

New

## HI-GRIP CARTON DISPENSERS 680 CLIPS IN CARTON SIZES 12 MM – 70 MM



4175

PART NUMBER	DESCRIPTION	PRICE
JCS-DISHGZW	Empty wall display unit	£425.00
JCS-HGZCDFP	Hi-Grip zinc fill packs to suit	£598.50

New

## HI-TORQUE T-BAR SCREWDRIVER FOR ALL HI-GRIP ZINC PLATED



4175

PART NUMBER	FOR USE WITH	PRICE
JCS-DHT3BG	Hi-Torque clamps & multi-torque adjustable banding	£40.52

New

## FLEXIBLE SHAFT SCREWDRIVER FOR ALL HI-GRIP HOSE CLIPS



4175

PART NUMBER	FOR USE WITH	PRICE
JCS-DHG2BG	Flexible shaft screwdriver	£19.24

### FEATURES – RISING BALL

- Clear flow indication
- 16 bar pressure and 200°C temperature capability
- Excellent chemical compatibility due to the materials of construction
- Can be used on condensate duty as well as liquids and gas
- Operates over a wide flow range
- Durable PTFE ball and borosilicate glass dome
- No routine maintenance needed
- Unrivalled flow and pressure drop performance
- Manufactured in stainless steel or bronze

### SPECIFICATIONS – RISING BALL

Pressure	16 bar (maximum working pressure)
Temperature	200°C (maximum working temperature)
Connections	BSP(F) parallel

### MATERIALS

Body	Stainless steel 316: ASTM-A-351-2000 GR CF8M, Bronze BS EN1982 CuSn 5Zn5PB5-C-GS (formerly LG2)
Clamp Ring	Stainless steel or bronze
Ball	PTFE 'Teflon'
Glass Dome	Annealed Borosilicate
O-ring	Viton
Gasket	Klingersil (C-4400) or equivalent
Fasteners	Stainless steel

### FEATURES – SPINNER TYPE

- Suitable for water and other clear liquids and gases
- 16 bar pressure and 200°C temperature capability
- Precision moulded glass dome with yellow PPS plastic spinner
- Can be used in any orientation
- Bi-directional flow
- Operates over a wide flow range
- No routine maintenance needed
- Unrivalled flow and pressure drop performance
- Manufactured in stainless steel or bronze

### SPECIFICATIONS – SPINNER TYPE

Pressure	16 bar (maximum working pressure)
Temperature	200°C (maximum working temperature)
Connections	BSP(F) parallel

### MATERIALS

Body	Stainless steel 316: ASTM-A-351-2000 GR CF8M, Bronze BS EN1982 CuSn 5Zn5PB5-C-GS (formerly LG2)
Clamp Ring	Stainless steel or bronze
Spinner	Yellow PPS plastic
Glass Dome	Annealed Borosilicate
O-ring	Viton
Gasket	Klingersil (C-4400) or equivalent
Fasteners	Stainless steel

## RISING BALL INDICATORS

## SPINNER TYPE INDICATORS

New



1970

RISING BALL  
BRONZE

PART NUMBER	CONNECTION	PRICE
FM-RBB-08-BSP	1/4" BSPP	£140.76
FM-RBB-10-BSP	3/8" BSPP	£140.76
FM-RBB-15-BSP	1/2" BSPP	£140.76
FM-RBB-20-BSP	3/4" BSPP	£211.14
FM-RBB-25-BSP	1" BSPP	£211.14
FM-RBB-32-BSP	1 1/4" BSPP	£301.07
FM-RBB-40-BSP	1 1/2" BSPP	£301.07

New



1970

SPINNER TYPE  
BRONZE

PART NUMBER	CONNECTION	PRICE
FM-SPB-08-BSP	1/4" BSPP	£140.76
FM-SPB-10-BSP	3/8" BSPP	£140.76
FM-SPB-15-BSP	1/2" BSPP	£140.76
FM-SPB-20-BSP	3/4" BSPP	£211.14
FM-SPB-25-BSP	1" BSPP	£211.14
FM-SPB-32-BSP	1 1/4" BSPP	£301.07
FM-SPB-40-BSP	1 1/2" BSPP	£301.07

New



1970

RISING BALL  
STAINLESS STEEL

PART NUMBER	CONNECTION	PRICE
FM-RBS-08-BSP	1/4" BSPP	£119.26
FM-RBS-10-BSP	3/8" BSPP	£119.26
FM-RBS-15-BSP	1/2" BSPP	£119.26
FM-RBS-20-BSP	3/4" BSPP	£175.95
FM-RBS-25-BSP	1" BSPP	£175.95
FM-RBS-32-BSP	1 1/4" BSPP	£250.24
FM-RBS-40-BSP	1 1/2" BSPP	£250.24

New



1970

SPINNER TYPE  
STAINLESS STEEL

PART NUMBER	CONNECTION	PRICE
FM-SPS-08-BSP	1/4" BSPP	£119.26
FM-SPS-10-BSP	3/8" BSPP	£119.26
FM-SPS-15-BSP	1/2" BSPP	£119.26
FM-SPS-20-BSP	3/4" BSPP	£175.95
FM-SPS-25-BSP	1" BSPP	£175.95
FM-SPS-32-BSP	1 1/4" BSPP	£250.24
FM-SPS-40-BSP	1 1/2" BSPP	£250.24

SIGHT FLOW INDICATOR ACCESSORIES

New



GLASS DOME  
FOR RISING BALL INDICATOR

1970

PART NUMBER	TO SUIT SIZE	PRICE
FM-7008	1/4" – 1"	£34.50
FM-7010	1 1/4" – 1 1/2"	£46.00

New



GLASS DOME  
FOR SPINNER TYPE INDICATOR

1970

PART NUMBER	TO SUIT SIZE	PRICE
FM-7009	1/4" – 1"	£32.20
FM-7040	1 1/4" – 1 1/2"	£46.00

New



PTFE BALL  
FOR RISING BALL INDICATOR

1970

PART NUMBER	TO SUIT SIZE	PRICE
FM-7011	1/4" – 1"	£9.20
FM-7013	1 1/4" – 1 1/2"	£11.50

New

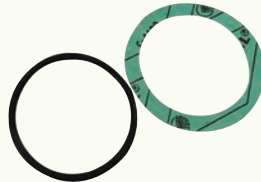


SPINNER  
FOR SPINNER TYPE INDICATOR

1970

PART NUMBER	TO SUIT SIZE	PRICE
FM-7012	1/4" – 1"	£5.75
FM-7020	1 1/4" – 1 1/2"	£2.30

New



GASKET SET  
FOR RISING BALL INDICATOR

1970

PART NUMBER	TO SUIT SIZE	PRICE
FM-7022	1/4" – 1"	£6.90
FM-7024	1 1/4" – 1 1/2"	£8.05

New



GASKET SET  
FOR SPINNER TYPE INDICATOR

1970

PART NUMBER	TO SUIT SIZE	PRICE
FM-7023	1/4" – 1"	£6.90
FM-7029	1 1/4" – 1 1/2"	£8.05

New



COMPLETE SPARES KIT  
FOR RISING BALL INDICATOR

1970

PART NUMBER	TO SUIT SIZE	PRICE
FM-7025	1/4" – 1"	£43.70
FM-7027	1 1/4" – 1 1/2"	£57.50

New



COMPLETE SPARES KIT  
FOR SPINNER TYPE INDICATOR

1970

PART NUMBER	TO SUIT SIZE	PRICE
FM-7026	1/4" – 1"	£39.10
FM-7028	1 1/4" – 1 1/2"	£57.50

### SPECIFICATIONS

Connection	1/8" BSPT
Voltage	240 V
Max. fluid temperature	80°C to 120°C depending on diaphragm
Action type	1B
Protection degree	IP65
Operating temperature	Diaphragm type: -10°C to +120°C Piston type: -15°C to +100°C
Max. overpressure limit	Diaphragm type: 300 bar Piston type: 800 bar
Max. working pressure limit	Diaphragm type: 150 bar Piston type: 450 bar

### MATERIALS

Case	Anodised aluminium
Electrical contacts	Zinc plated steel
Seal	Diaphragm type: Viton Piston type: NBR

New

### PRESSURE SWITCH WITH SPDT CONTACTS DIAPHRAGM TYPE



5940

PART NUMBER	SETTING RANGE	TOLERANCE AT 20°C	PRICE
SPVL2400121	0.3-5 bar	± 0.15 bar	£119.91
SPVL2400122	1-10 bar	± 0.5 bar	£119.91
SPVL2400123	10-25 bar	± 1 bar	£119.91
SPVL2400124	25-80 bar	± 2.5 bar	£119.91

### PISTON TYPE

SPVL2400115	50-200 bar	± 2 + 10 bar	£131.82
SPVL2400116	100-400 bar	± 3 + 15 bar	£131.82

## DIAPHRAGM PRESSURE SWITCHES

### SPECIFICATIONS

Connection	1/4" BSPP
Voltage	48 V
Max. fluid temperature	80°C to 120°C depending on diaphragm
Action type	1B
Protection degree	IP 00
Operating temperature	-10°C to +120°C
Max. overpressure limit	300 bar
Max. working pressure	150 bar

### MATERIALS

Case	Zinc plated steel
Electrical contacts	Silver AgNi
Seal	FKM

### SPECIFICATIONS

Connection	1/4" BSPP
Voltage	240 V
Max. fluid temperature	80°C to 120°C depending on diaphragm
Action type	1B
Protection degree	IP65
Operating temperature	-10°C to +120°C
Max. overpressure limit	300 bar
Max. working pressure	150 bar

### MATERIALS

Case	Zinc plated steel
Electrical contacts	Silver
Seal	FKM

New

### DIAPHRAGM PRESSURE SWITCH

≤ 48 V NORMALLY OPEN



5940

PART NUMBER	SETTING RANGE	TOLERANCE AT 20°C	PRICE
SPVL4110620	0.1-1 bar	± 0.1 bar	£29.70
SPVL411062A	0.2-2 bar	± 0.15 bar	£29.70
SPVL4110621	1-5 bar	± 0.3 bar	£29.70
SPVL4110622	1-10 bar	± 0.5 bar	£29.70
SPVL4110623	10-20 bar	± 1.0 bar	£29.70
SPVL4110624	20-50 bar	± 2.0 bar	£29.70

New

### DIAPHRAGM PRESSURE SWITCH

WITH SPDT CONTACTS



5940

PART NUMBER	SETTING RANGE	TOLERANCE AT 20°C	PRICE
SPVL4920H20	0.3-1.5 bar	± 0.15 bar	£65.88
SPVL4920H21	1-5 bar	± 0.3 bar	£65.88
SPVL4920H22	1-12 bar	± 0.5 bar	£65.88
SPVL4920H23	10-60 bar	± 2 bar	£65.88

### ≤ 48 V NORMALLY CLOSED

SPVL4120620	0.1-1 bar	± 0.1 bar	£29.70
SPVL412062A	0.2-2 bar	± 0.15 bar	£29.70
SPVL4120621	1-5 bar	± 0.3 bar	£29.70
SPVL4120622	1-10 bar	± 0.5 bar	£29.70
SPVL4120623	10-20 bar	± 1.0 bar	£29.70
SPVL4120624	20-50 bar	± 2.0 bar	£29.70



## PISTON PRESSURE SWITCHES

### SPECIFICATIONS

Connection	1/4" BSPP
Max. switched voltage	48 V
Electrical condition	N.O. (red) N.C. (blue)
Max. switched current	0.5 A
Max. fluid temperature	100°C
Action type	1B
Protection degree	IP 00
Max. overpressure limit	800 bar
Max. working pressure	450 bar

### MATERIALS

Case	Zinc plated steel
Electrical contacts	Silver AgNi
Seal	NBR

**New**



5940

### PISTON PRESSURE SWITCH ≤ 48V NORMALLY OPEN

PART NUMBER	SETTING RANGE	TOLERANCE AT 20°C	PRICE
SPVL4010H16	50-150 bar	± 2 ÷ 10 bar	£48.87
SPVL4010H17	100-300 bar	± 5 ÷ 15 bar	£48.87

### ≤ 48V NORMALLY CLOSED

SPVL4020H16	50-150 bar	± 2 ÷ 10 bar	£48.87
SPVL4020H17	100-300 bar	± 5 ÷ 15 bar	£48.87

### SPECIFICATIONS

Connection	1/4" BSPP
Voltage	240 V
Max. fluid temperature	100°C
Electrical condition	SPDT (exchange contact)
Action type	1B
Tightening torque max	50 Nm
Protection degree	IP65
Max. overpressure limit	900 bar
Max. working pressure	450 bar

### MATERIALS

Case	Zinc plated steel
Electrical contacts	Silver
Seal	NBR

**New**



5940

### PISTON PRESSURE SWITCH WITH SPDT CONTACTS

PART NUMBER	SETTING RANGE	TOLERANCE AT 20°C	PRICE
SPVL4820H16	50-200 bar	± 2 ÷ 10 m bar	£86.76
SPVL4820H17	200-400 bar	± 4 ÷ 15 m bar	£86.76

### SPECIFICATIONS

Connection	1/4" BSPF
Voltage	240 V
Max. fluid temperature	100°C
Action type	IB
Protection degree	IP65
Max. overpressure limit	900 bar
Tolerance	± 2%

### MATERIALS

Case	Anodised aluminium
Electrical contacts	SPDT silver
Seal	NBR and Teflon

**New**

### PISTON PRESSURE SWITCH WITH ADJUSTING KNOB



5940

PART NUMBER	SETTING RANGE	PRICE
SPVL69223015	8-150 bar	£157.50
SPVL69223016	40-400 bar	£157.50

## TEMPERATURE SWITCHES

### SPECIFICATIONS

Differential	15 / 20 K
Intervention tolerance	+/- 5 K
Max. ambient temperature	85°C
Number of cycles	100.000 (max. 5 per minute)
Max. tightening torque	40 Nm
Protection degree	IP65
Max. pressure	80 bar

### MATERIALS

Case	Brass
------	-------

**New**

### BIMETALLIC THERMOSTAT TEMPERATURE SWITCH WITH SPDT CONTACTS



5940

PART NUMBER	THREAD	TEMPERATURE	PRICE
SPVL5072102050	3/8" BSPP	50°C	£55.26
SPVL5072102060	3/8" BSPP	60°C	£55.26
SPVL5072102070	3/8" BSPP	70°C	£55.26
SPVL5072102080	3/8" BSPP	80°C	£55.26
SPVL5072108050	1/2" BSPP	50°C	£55.26
SPVL5072108060	1/2" BSPP	60°C	£55.26
SPVL5072108070	1/2" BSPP	70°C	£55.26
SPVL5072108080	1/2" BSPP	80°C	£55.26

## VACUUM SWITCHES

### SPECIFICATIONS

Connection	1/4" BSPT
Max. switched voltage	48 V
Setting range	-200 / -900 m bar
Tolerance at 20°C	± 100
Max. switched current	0.5 A
Max. fluid temperature	80°C to 120°C
Action type	1B
Max. overpressure limit	15 bar
Max. working pressure	10 bar

### MATERIALS

Case	Brass
Electrical contacts	Silver AgNi

New

### VACUUM SWITCH



5940

PART NUMBER	DESCRIPTION	PRICE
SPVL3511219	Normally open	£33.96
SPVL3521219	Normally closed	£33.96

### SPECIFICATIONS

Connection	1/4" BSPT
Voltage	240 V
Max. fluid temperature	80°C to 120°C depending on diaphragm
Action type	1B
Protection degree	IP65
Max. tightening torque	25 Nm
Max. overpressure limit	15 bar
Max. working pressure	10 bar

### MATERIALS

Case	Brass
Electrical contacts	Silver

New

### DIAPHRAGM VACUUM SWITCH WITH SPDT CONTACTS NORMALLY OPEN



5940

PART NUMBER	SETTING RANGE	TOLERANCE AT 20°C	PRICE
SPVL3821229	-200 / -900 m bar	± 100 m bar	£65.88

## PADDLE FLOW SWITCHES

### FEATURES

The devices function via the principle of a paddle supported by metal bellows, and the triggering of a micro switch. Suitable for media with ferritic particles.

### SPECIFICATIONS

Switching range	
For 1" to 8" pipes	0.20 – 165.7 m <sup>3</sup> /h
Qmax. recommended	Up to 240 m <sup>3</sup> /h
Switch	Micro switch
Tolerance	± 15% of full scale value
Pressure resistance	PN 11
Medium temperature	-20°C to +120°C
Ambient temperature	-20°C to +85°C
Media	Water
Switching voltage	250 V DC
Switching current	15(8) A
Protection class	1 – PE connection
Ingress protection	IP 65
Electrical connection	Cable screw gland M20 x 1.5

### FEATURES

The devices function via the principle of a spring supported paddle, and the magnetic triggering of a micro switch.

- Threaded connection
- Micro switch
- Low pressure loss
- Compact design
- Threaded connection
- Plug DIN 43650-A / ISO 4400

### SPECIFICATIONS

Switch	Micro switch
Tolerance	± 15% of full scale value
Pressure resistance	PN 25
Medium temperature	-20°C to +110°C
Ambient temperature	-20°C to +70°C
Media	Water
Switching voltage	250 V DC
Switching current	Max. 5 A
Protection class	2 – safety insulation
Ingress protection	IP 65
Electrical connection	Plug DIN 43650-A / ISO 4400

New

### CRG PADDLE FLOW SWITCH FOR 1" TO 8" PIPES



5940

PART NUMBER	MATERIAL	PRICE
SPVLCRG025HM	Brass	£325.35
SPVLCRG025HK	Stainless steel	£616.95

### REDUCED SWITCHING RANGE

SPVLCRG025HMR	Brass	£325.35
SPVLCRG025HKR	Stainless steel	£616.95

New

### UM3K PADDLE FLOW SWITCH BRASS



5940

PART NUMBER	THREAD	SWITCHING RANGE	QMAX. RECOMMENDED	PRICE
SPVLUM3K010GM055	3/8"	4.0-5.5 l/min	10	£243.81
SPVLUM3K015GM070	1/2"	5.5-7.0 l/min	20	£243.81
SPVLUM3K020GM100	3/4"	7.5-10 l/min	40	£243.81
SPVLUM3K025GM180	1"	14-18 l/min	60	£268.56
SPVLUM3K032GM300	1 1/4"	22-30 l/min	80	£322.77
SPVLUM3K040GM500	1 1/2"	37-50 l/min	100	£336.48
SPVLUM3K050GM930	2"	67-93 l/min	150	£439.98

### SPECIFICATIONS

Temperature range (atm. pressure)	-10°C to +80°C
Pressure resistance (room temperature)	0.2 MPa
Specific gravity of the liquid	Heavier than 0.8

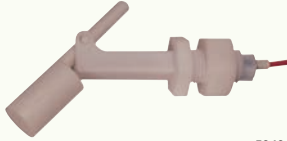
### MATERIALS

Stem	P.P.
Float	P.P. foamed
Stopper	SUS304 (P.P.)
Nat	P.P.

### ELECTRIC SPECIFICATIONS

Max. contact capacity	50 W DC / AC
Max. voltage	300 V DC / AC
Max. current	0.5 A DC / AC

New



**SIDE ENTRY LEVEL SWITCH  
INTERNAL FITTING**

5940

PART NUMBER	THREAD	PRICE
SPVLMFS9N1	1/4" BSPP	£24.78

New



**SIDE ENTRY LEVEL SWITCH  
EXTERNAL FITTING**

5940

PART NUMBER	THREAD	PRICE
SPVLMFS10N1	1/2" BSPT	£24.78

New



**POLYPROPYLENE  
LEVEL SWITCH  
WITH 18 MM FLOAT**

5940

PART NUMBER	THREAD	PRICE
SPVLMFS17D	1/8" BSPP	£15.18

New



**POLYPROPYLENE TOP ENTRY  
LEVEL SWITCH  
WITH 25 MM FLOAT**

5940

PART NUMBER	THREAD	PRICE
SPVLMFS17C	1/8" BSPP	£13.32

New



**SIDE ENTRY LEVEL SWITCH**

5940

PART NUMBER	DESCRIPTION	PRICE
SPVLMFS21K	1/4" BSP internal fitting	£16.47

## FLOAT VALVES

### FEATURES

- Connection with gas thread cylindrical DIN – ISO 228 / 1985
- Guarantees a perfect seal with minimum force from the float
- Maximum variable pressure 10 bar
- Nominal pressure PN-10
- Patented valve system
- Swing type valve
- Valve closes progressively

New



**FLOAT VALVE  
304 STAINLESS STEEL**

5940

PART NUMBER	CONNECTION	PRICE
SPVL11-00110-B1	3/8"	£75.63
SPVL11-00115-B1	1/2"	£80.04
SPVL11-00120-B1	3/4"	£118.32
SPVL11-00125-B1	1"	£122.70
SPVL11-00132-B1	1 1/4"	£142.50

### SPECIFICATIONS

Contact rating	50 VA
Max. switch voltage	300 Vac
Max. switch current	0.5 AAC / DC
Dielectric strength	600 V DC
Contact resistance	200 m Ohms
Insulation resistance	10 m Ohms
Temperature range	-40°C to +120°C
Max. pressure	5 bar
Float SG	0.70 ± 0.04

### MATERIALS

Float	316 stainless steel
Body	304 stainless steel

### FITTING

The RFS-12P-2 has a 1/2" NPT tapered thread, which is almost indistinguishable from a 1/2" BSPT. This switch can be fitted from outside the tank by screwing it into a 10 mm (max) deep, threaded boss. Both switches can be rotated through 180° to give either normally open or normally closed contacts.

### REED SWITCH PROTECTION

When a reed switch is used on an inductive load e.g. a relay, the current surge which flows back to the reed-switch (back EMF), can cause the reed switch to fail. Protection of the reed switch is required.

### FEATURES

- Compact design
- Complete stainless steel design • Internal assembly
- Optimal DIN plug
- Rugged hinge design
- Withstands high temperatures up to 120°C

### FITTING

The RFS-11A-2 is assembled from inside the tank or vessel after first drilling a 10 mm (3/8") clearance hole in the tank wall. Both switches can be rotated through 180°, to give either normally open or normally closed contacts.

New

### STAINLESS STEEL LEVEL SWITCH WITH MINI DIN



5940

PART NUMBER	THREAD	PRICE
SPVLRFS12P2	1/2" BSPT	£80.73

New

### STAINLESS STEEL LEVEL SWITCH WITH FLYING LEADS



5940

PART NUMBER	THREAD	PRICE
SPVLRFS11A2	1/8" BSPP	£58.65

### SPECIFICATIONS

Temperature range (atm. pressure)	-40°C to +120°C
Pressure resistance (room temperature)	1 MPa
Specific gravity of the liquid	Heavier than 0.8

### ELECTRIC SPECIFICATIONS

Max. contact capacity	50 W DC / AC
Max. voltage	300 V DC / AC
Max. current	0.5 A DC / AC

### MATERIALS

Stem, float, stopper & nat	304 stainless steel
----------------------------	---------------------

### SPECIFICATIONS

Temperature range (atm. pressure)	-40°C to +200°C
Pressure resistance (room temperature)	1 MPa
Specific gravity of the liquid	Heavier than 0.65

### ELECTRIC SPECIFICATIONS

Max. contact capacity	50 W DC / AC
Max. voltage	300 V DC / AC
Max. current	0.5 A DC / AC

### MATERIALS

Stem, float, stopper & nat	304 stainless steel
----------------------------	---------------------

New

### TOP ENTRY LEVEL SWITCH WITH FLYING LEADS



5940

PART NUMBER	THREAD	PRICE
SPVLRFS22	1/8" BSPP	£48.60

New

### TOP ENTRY LEVEL SWITCH HIGH TEMPERATURE 200°C



5940

PART NUMBER	THREAD	PRICE
SPVLRFS62	3/8" BSPP	£156.99

### SPECIFICATIONS

Temperature range (atm. pressure)	-40°C to +120°C
Pressure resistance (room temperature)	1 MPa
Specific gravity of the liquid	Heavier than 0.8

### ELECTRIC SPECIFICATIONS

Max. contact capacity	50 W DC / AC
Max. voltage	300 V DC / AC
Max. current	0.5 A DC / AC

### MATERIALS

Stem, float, stopper & nat	304 stainless steel
----------------------------	---------------------

New

### SIDE ENTRY LEVEL SWITCH WITH FLYING LEADS



5940

PART NUMBER	THREAD	PRICE
SPVLRFS42	1/8" BSPP	£60.33

## FEATURES

Mechanical flow switch for fluid or gaseous media, with spring supported piston and magnetic triggering of a reed switch. Robust construction in brass.

- High switching power
- Compact design

## SPECIFICATIONS

Switch	Reed switch
Tolerance	± 5% of full scale value
Pressure resistance	PN 200
Medium temperature	-20°C to +120°C
Ambient temperature	-20°C to +70°C
Media	Water
Switching voltage	Max. 250 V DC
Switching current	Max. 1.5 A
Switching capacity	Max. 50 VA
Protection class	2 – safety insulation
Ingress protection	IP 65
Electrical connection	Plug DIN 43650-A / ISO 4400

**New**

### MR1K PISTON FLOW SWITCH BRASS



5940

PART NUMBER	THREAD	SWITCHING RANGE	QMAX. RECOMMENDED	PRICE
SPVLMR1K008GM004	1/4"	0.4-4 l/min	to 10 l/min	£336.27
SPVLMR1K010GM010	3/8"	1.0-10 l/min	to 20 l/min	£347.52
SPVLMR1K015GM020	1/2"	2.0-20 l/min	to 30 l/min	£352.02
SPVLMR1K020GM040	3/4"	4.0-40 l/min	to 60 l/min	£395.22
SPVLMR1K025GM060	1"	6.0-60 l/min	to 80 l/min	£397.23

## FEATURES

Mechanical flow switch, for fluid or gaseous media, with magnetic triggering of a reed switch. Robust construction in brass.

- Monitoring of small flows
- PN 300 / 350

## SPECIFICATIONS

Switch	Reed switch
Nominal width	DN 8
Tolerance	± 10% of full scale value
Pressure resistance	PN 300
Medium temperature	-20°C to +100°C
Ambient temperature	-20°C to +70°C
Media	Water
Switching voltage	Max. 200 V DC
Switching current	Max. 1 A
Switching capacity	Max. 20 VA
Protection class	2 – safety insulation
Ingress protection	IP 65
Electrical connection	DIN 43650-C plug

**New**

### RVM PISTON FLOW SWITCH 1/4" BRASS



5940

PART NUMBER	SWITCHING RANGE	QMAX. RECOMMENDED	PRICE
SPVLRVM008GM013	40.0-130.0 ml/min	0.168 l/min	£328.14
SPVLRVM008GM060	0.1-0.6 l/min	0.720 l/min	£328.14
SPVLRVM008GM300	0.5-3.0 l/min	3.600 l/min	£328.14

## FEATURES

Mechanical flow switch for fluid media, with spring supported piston and magnetic triggering of a reed switch. Robust construction in brass and POM.

- Economical design
- High switching power
- Insensitive to dirt

## SPECIFICATIONS

Switching range	DN 15W DN 20 – DN 25	1 – 6 1 – 11
Switch	Reed switch	
Tolerance	± 10% of full scale value	
Pressure resistance	PN 10	
Medium temperature	-20°C to +90°C	
Ambient temperature	-20°C to +70°C	
Media	Water	
Switching voltage	Max. 230 V DC	
Switching current	Max. 0.5 A	
Switching capacity	Max. 50 VA	
Protection class	2 – safety insulation	
Ingress protection	IP 67	
Electrical connection	For round plug connector M12 x 1, 4-pole	

**New**

### FW1 PISTON FLOW SWITCH PLASTIC



5940

PART NUMBER	THREAD	QMAX. RECOMMENDED	PRICE
SPVLFW1015GP006	1/2"	to 20 l/min	£147.06
SPVLFW1020GP011	3/4"	to 30 l/min	£169.77
SPVLFW1025GP011	1"	to 30 l/min	£203.52

**New**

### FW1 PISTON FLOW SWITCH BRASS



5940

PART NUMBER	THREAD	QMAX. RECOMMENDED	PRICE
SPVLFW1008GM006	1/4"	to 8 l/min	£229.50
SPVLFW1010GM006	3/8"	to 10 l/min	£229.50
SPVLFW1015GM006	1/2"	to 20 l/min	£221.10
SPVLFW1020GM011	3/4"	to 30 l/min	£239.10
SPVLFW1025GM011	1"	to 30 l/min	£259.56



## HIGH QUALITY

CEJN's high quality hose and cable reels contain a CEJN polyurethane hose or rubber cable. The reels are easy to manoeuvre and can be ceiling or wall-mounted and offer full, 300 degree, movement. A robust exterior housing protects the hose or cable and reel mechanism and the feeding action works flawless and tangle free. A stop function can be activated if full continuous feeding is not necessary at the time.

## FEATURES AND BENEFITS

- Slow Retract
- Hose Guide
- Lowest Pressure Drop in the Market
- Quicker Hose Change
- New Hose Stopper

## SPECIFICATIONS

PART NUMBER	MAX. WORKING PRESSURE	TEMPERATURE RANGE	MEDIA
C199112083	16 bar	-20°C - +60°C	Air
C199112183	16 bar	-20°C - +60°C	Air
C199112020	16 bar	-20°C - +60°C	Air
C199112022	16 bar	-20°C - +60°C	Air
C199112120	16 bar	-20°C - +60°C	Air
C199112130	16 bar	-20°C - +60°C	Air
C199112132	16 bar	-20°C - +60°C	Air
C199112140	12 bar	-20°C - +60°C	Air
C199112040	12 bar	-20°C - +60°C	Air
C199112150	12 bar	-20°C - +60°C	Air
C199112230	16 bar	5°C - +60°C	Water
C199112240	12 bar	5°C - +60°C	Water

## COMPRESSED AIR HOSE REELS



New

### COMPRESSED AIR HOSE REEL 320 ESAFE CONNECTION

610

PART NUMBER	ID X OD	LENGTH	PRICE
C199112082	8 x 12 mm	10 m	£285.38
C199112182	8 x 12 mm	17 m	£331.17

### 1/4" BSPT MALE CONNECTION

C199112020	8.0 x 12.0 mm	7 m	£235.81
C199112022	8.0 x 12.0 mm	10 m	£285.13
C199112120	8.0 x 12.0 mm	17 m	£330.90
C199112130	9.5 x 13.5 mm	14 m	£338.48

### 1/4" BSPT ANTISPARK CONNECTION

C199112132	9.5 x 13.5 mm	14 m	£361.28
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### 1/2" BSPT MALE CONNECTION

C199112140	11 x 16 mm	12 m	£387.92
C199112040	11 x 16 mm	5 m	£294.39
C199112150	13 x 18 mm	10 m	£393.16

## WATER HOSE REELS



New

### WATER HOSE REEL 1/4" BSPT CONNECTION

610

PART NUMBER	ID X OD	LENGTH	PRICE
C199112230	9.5 x 13.5 mm	14 m	£361.64

### 1/2" BSPT CONNECTION

C199112240	11 x 16 mm	12 m	£392.04
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## ELECTRIC HOSE REELS



New

### ELECTRIC HOSE REEL SCHUKO PLUG

610

PART NUMBER	ID X OD	LENGTH	PRICE
C199112310	3 x 1.5 mm	17 m	£426.34

### CH PLUG

C199112311	3 x 1.5 mm	17 m	£426.34
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### SPECIFICATIONS

Fluid	Compressed air
Pressure	11 bar
Hydrostatic test pressure	16.5 bar
Temperature range	-10°C to +60°C
Threads	Parallel UNI – ISO 228/1 (BSP)
Materials	Bottom: Steel FeP04 Shell: Steel FeP04 Socket joints: Fe 45.1
External treatments	Epoxide powder painting RAL 5015-110

**New**

### MINI AIR RECEIVER 11 BAR 2 PORT



1250

PART NUMBER	CAPACITY	PRICE
AIRREC-M2.5L	2.5 L	£60.72
AIRREC-M5L	5 L	£88.02
AIRREC-M7L	7 L	£100.04
AIRREC-M12L	12 L	£169.90

**New**

### BRACKET FOR USE WITH MINI AIR RECEIVER



1250

PART NUMBER	FOR USE WITH	PRICE
AIRREC-STBRK	Mini air receiver	£6.65

**New**

### ADAPTOR FOR USE WITH MINI AIR RECEIVER



1250

PART NUMBER	FOR USE WITH	PRICE
AIRREC-RSBA	Mini air receiver	£1.64

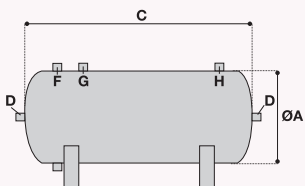
### SPECIFICATIONS

Material	Carbon steel
Standard finishes	Internal: raw External: painted RAL 5015 blue
Upon request	Other colours, other sizes, galvanised
Certification	2009/105 EC
Working temperature	-10°C to +120°C
Working pressure	11 bar, 15 bar upon request

PART NUMBER	A mm	Inlet/outlet EGHI
AIRREC-V100L	370	3/4
AIRREC-V200L	440	1
AIRREC-V500L	600	1
AIRREC-V1000L	800	2

\* Certification 97/23/EC (PED)

PART NUMBER	A mm	C mm	D inch	F inch	G inch	H inch
AIRREC-H25L	210	694	1/2	3/8	1/2	3/8
AIRREC-H50L	280	863	1/2	3/8	3/4	1/2
AIRREC-H100L	350	1085	1/2	3/8	3/4	1/2
AIRREC-H200L	440	1350	1/2	3/8	3/4	1/2



DFGH = Inlet/outlet

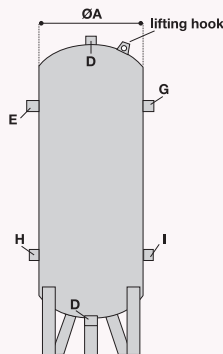


**New**

### HORIZONTAL AIR RECEIVER 11 BAR PAINTED BLUE FITTINGS KIT INCLUDED

1250

PART NUMBER	CAPACITY	PRICE
AIRREC-H25L	25 L	£170.30
AIRREC-H50L	50 L	£228.26
AIRREC-H100L	100 L	£293.44
AIRREC-H200L	200 L	£606.74



H & I = Service outlets  
D = Discharge



**New**

### VERTICAL AIR RECEIVER 11 BAR PAINTED BLUE FITTINGS KIT INCLUDED

1250

PART NUMBER	CAPACITY	PRICE
AIRREC-V100L	100 L	£289.02
AIRREC-V200L	200 L	£581.70
AIRREC-V500L	500 L	£933.44
AIRREC-V1000L	1000 L	£1529.90

Carriage for 25 to 1000 litre air receivers charged at cost

New



9135

### CABLE TIES NATURAL

PART NUMBER	SIZE	QUANTITY	PRICE
TIE-CT100	100 x 2.5 mm	100	£0.56
TIE-CT120	120 x 2.5 mm	100	£0.88
TIE-CT140	142 x 3.2 mm	100	£1.52
TIE-CT160	160 x 4.8 mm	100	£2.20
TIE-CT200	200 x 4.8 mm	100	£2.60
TIE-CT250	250 x 4.8 mm	100	£3.88
TIE-CT300	300 x 4.8 mm	100	£3.80
TIE-CT370	368 x 4.8 mm	100	£4.48
TIE-CT430	450 x 4.8 mm	100	£5.96
TIE-CT500	500 x 4.8 mm	100	£10.36
TIE-CT540	540 x 4.8 mm	100	£17.60
TIE-CT550	550 x 4.8 mm	100	£12.48
TIE-CT610	610 x 9 mm	100	£23.00
TIE-CT685	685 x 9 mm	100	£29.68
TIE-CT780	762 x 9 mm	100	£28.84

New



9135

### CABLE TIES BLACK

PART NUMBER	SIZE	QUANTITY	PRICE
TIE-CT100BL	100 x 2.5 mm	100	£0.56
TIE-CT120BL	120 x 2.5 mm	100	£0.88
TIE-CT140BL	142 x 3.2 mm	100	£1.28
TIE-CT160BL	160 x 4.8 mm	100	£2.20
TIE-CT200BL	200 x 4.8 mm	100	£2.60
TIE-CT250BL	250 x 4.8 mm	100	£3.52
TIE-CT300BL	300 x 4.8 mm	100	£3.52
TIE-CT370BL	368 x 4.8 mm	100	£4.48
TIE-CT430BL	450 x 4.8 mm	100	£5.96
TIE-CT500BL	500 x 4.8 mm	100	£10.36
TIE-CT540BL	540 x 4.8 mm	100	£17.84
TIE-CT550BL	550 x 4.8 mm	100	£11.92
TIE-CT610BL	610 x 9 mm	100	£23.00
TIE-CT685BL	685 x 9 mm	100	£26.24
TIE-CT780BL	762 x 9 mm	100	£28.84
TIE-CT1000BL	1030 x 12.7 mm	100	£81.64

New

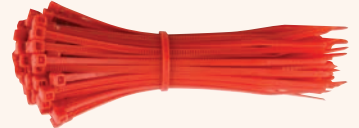


9135

### CABLE TIES YELLOW

PART NUMBER	SIZE	QUANTITY	PRICE
TIE-CT100Y	100 x 2.5 mm	100	£0.72
TIE-CT140Y	140 x 4.8 mm	100	£1.72
TIE-CT300Y	300 x 4.8 mm	100	£4.32
TIE-CT370Y	368 x 4.8 mm	100	£11.72

New

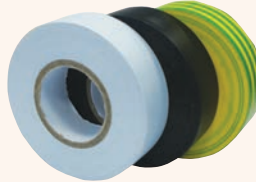


9135

### CABLE TIES RED

PART NUMBER	SIZE	QUANTITY	PRICE
TIE-CT100R	100 x 2.5 mm	100	£0.72
TIE-CT140R	142 x 3.2 mm	100	£1.72
TIE-CT300R	300 x 4.8 mm	100	£4.32
TIE-CT370R	368 x 4.8 mm	100	£5.72

New

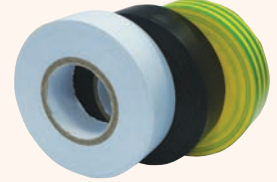


9135

### PVC TAPE 20 METRE

PART NUMBER	SIZE	COLOUR	PRICE
TAPE-19x20-BLACK	19 mm x 20 m	Black	£1.00
TAPE-19x20-WHITE	19 mm x 20 m	White	£1.00
TAPE-19x20-RED	19 mm x 20 m	Red	£1.00
TAPE-19x20-BLUE	19 mm x 20 m	Blue	£1.00
TAPE-19x20-GREEN	19 mm x 20 m	Green	£1.00
TAPE-19x20-YELLOW	19 mm x 20 m	Yellow	£1.00
TAPE-19x20-BROWN	19 mm x 20 m	Brown	£1.00
TAPE-19x20-GREY	19 mm x 20 m	Grey	£1.00
TAPE-19x20-YEL/GREEN	19 mm x 20 m	Yellow/Green	£1.00

New



9135

### PVC TAPE 33 METRE

PART NUMBER	SIZE	COLOUR	PRICE
TAPE-19x33-BLACK	19 mm x 33 m	Black	£1.80
TAPE-19x33-WHITE	19 mm x 33 m	White	£1.80
TAPE-19x33-RED	19 mm x 33 m	Red	£1.80
TAPE-19x33-BLUE	19 mm x 33 m	Blue	£1.80
TAPE-19x33-GREEN	19 mm x 33 m	Green	£1.80
TAPE-19x33-YELLOW	19 mm x 33 m	Yellow	£1.80
TAPE-19x33-BROWN	19 mm x 33 m	Brown	£1.80
TAPE-19x33-GREY	19 mm x 33 m	Grey	£1.80
TAPE-19x33-YEL/GREEN	19 mm x 33 m	Yellow/Green	£1.80





## DESCRIPTION

A range of heat shrink tubing available in a conveniently packaged dispenser. It is specially designed to meet the requirements of wholesalers, distributors, repair shops or electrical workshops. Contains 2:1 ratio, 125°C flexible, flame retardant, irradiated polyolefin, heat shrink tubing with adhesive.



9135

New

## HEAT SHRINK MINI BOX BLACK 2 TO 1

PART NUMBER	AS SUPPLIED				PRICE
	AS SUPPLIED	AFTER RECOVERY			
GMB552116B	1.6	0.8	0.36	15	£17.80
GMB552124B	2.4	1.2	0.43	15	£18.68
GMB552132B	3.2	1.6	0.43	15	£22.40
GMB552148B	4.8	2.4	0.43	12	£23.48
GMB552164B	6.4	3.2	0.56	12	£26.20
GMB552196B	9.5	4.8	0.56	8	£24.80
GMB5521127B	12.7	6.4	0.56	8	£28.08
GMB5521191B	19.1	9.5	0.69	5	£36.20
GMB5521254B	25.4	12.7	0.76	5	£41.28

## DESCRIPTION

A range of expandable braided sleeves available in conveniently packaged dispensers. Specially designed to meet the requirements of wholesalers, distributors, repair shops and electrical workshops. Self-extinguishing, halogen free, polyester, 0.22 mm monofilament, expandable braided sleeve.



9135

## PROTECTIVE BRAIDED SLEEVE MINI BOX EXPANDABLE POLYESTER SLEEVE IN A DISPENSER

PART NUMBER	RANGE OF USE	LENGTH	PRICE
GMBPET-3	1 – 4 mm	20 m	£31.88
GMBPET-5	3 – 7 mm	20 m	£37.40
GMBPET-8	6 – 11 mm	15 m	£40.20
GMBPET-10	7 – 14 mm	15 m	£47.08
GMBPET-12	8 – 16 mm	10 m	£40.88
GMBPET-20	15 – 25 mm	10 m	£54.60

## CUTTERS



4630

### TUBE CUTTERS

PART NUMBER	DESCRIPTION	PRICE
D-TC14	Cuts up to 9/16" (14 mm) tubing	£4.00



9140

### HOSE CUTTERS

PART NUMBER	DESCRIPTION	PRICE
PXC098R	Hose Cutter	£26.82
PXC099	Replacement Blade	£7.72



9140

### TUBE CUTTERS PLIER TYPE

PART NUMBER	DESCRIPTION	PRICE
ZPNZ12	Tube Cutter	£22.69
ZPNZ25	Tube Cutter	£24.73
ZTC2BLADES	Replacement Blade for ZPNZ-12	£7.69
ZTC3BLADES	Replacement Blade for ZPNZ-25	£10.24



9140

### TUBE CUTTERS ROTHENBURGER CDS

PART NUMBER	DESCRIPTION	PRICE
RR70027	6 mm to 35 mm	£53.51



9140

### TUBE CUTTERS ROTHENBURGER CDS

PART NUMBER	DESCRIPTION	PRICE
RR70001	3 mm to 16 mm	£19.01

### TUBE CUTTERS

- Telescopic pipe cutter
- For copper, brass, aluminium, thin walled steel pipes and plastic coated pipes
- Retractable internal deburrer and spare cutter wheel in handle
- Monoblock design
- Quick adjustment with the ratchet telescopic guide, with automatic spring driven release
- Self-clamping prevents release due to quick adjustment during the cutting process

New



9140

### TUBE CUTTERS ROTHENBURGER AUTOMATIC

PART NUMBER	DESCRIPTION	PRICE
RR70030	Suitable for 6 – 67 mm OD tube	£127.24

## DESCRIPTION

The ProSeries padlock range was designed to endure the toughest security applications by providing extra protection against corrosion, abuse and attack. Ideal for securing basement storage units, garages or factory fences.

## RESETTABLE COMBINATION PADLOCKS

### FEATURES

- ProSeries® resettable combination locks are designed for commercial/ industrial applications
- Set your own 4 digit combination for convenience and security, 10,000 possible combinations
- No reset tool required
- Large ergonomic dials with exclusive blind feature permit operation with gloves, in low light or complete darkness
- Deadlocking mechanism protects against prying, shimming and rap attacks
- Shackle seal and dial dust cover protect internal components and dials for trouble-free operation

New



1840

### BRASS PADLOCK WITH OCTAGONAL BORON-CARBIDE SHACKLE

PART NUMBER	BODY WIDTH	SHACKLE HEIGHT	SHACKLE DIAMETER	PRICE
ML-1175D	2 3/4" (57 mm)	1 1/16" (28 mm)	3/8" (10 mm)	£30.12

New



1840

### STAINLESS STEEL PADLOCK WITH STAINLESS STEEL SHACKLE

PART NUMBER	BODY WIDTH	SHACKLE HEIGHT	SHACKLE DIAMETER	PRICE
ML-1174D	2 1/4" (57 mm)	1 1/16" (28 mm)	5/16" (8 mm)	£43.02

## REKEYABLE 6 PIN CYLINDER PADLOCKS

### FEATURES

- High security laminated steel padlock to withstand physical attacks
- Exclusive cover protects from water, ice, dirt and grime
- Ideal for harsh outdoor conditions
- Heavy steel body withstands physical attack
- Hardened boron-alloy shackle for extra cut resistance
- Duel ball locking mechanism resists pulling and prying
- High security cylinder with 6 pins for maximum pick resistance
- Master Lock Security Level 9

New



1840

### WEATHER TOUGH® TUMBLER PADLOCK – DIFFERENT KEY WITH BORON-ALLOY SHACKLE

PART NUMBER	BODY WIDTH	SHACKLE HEIGHT	SHACKLE DIAMETER	PRICE
ML-6121EURDW7000	2 1/8" (54 mm)	1 1/8" (29 mm)	5/16" (8 mm)	£23.58

New



1840

### WEATHER TOUGH® TUMBLER PADLOCK – DIFFERENT KEY WITH BORON-ALLOY SHACKLE

PART NUMBER	BODY WIDTH	SHACKLE HEIGHT	SHACKLE DIAMETER	PRICE
ML-6127EURD	2 5/8" (67 mm)	1 3/8" (35 mm)	7/16" (11 mm)	£30.22

New



1840

### BRASS PADLOCK – LONG SHACKLE WITH OCTAGONAL BORON-CARBIDE SHACKLE

PART NUMBER	BODY WIDTH	SHACKLE HEIGHT	SHACKLE DIAMETER	PRICE
ML-1175DLH	2 1/4" (57 mm)	2 1/16" (53 mm)	3/8" (10 mm)	£32.32

New



1840

### WEATHER TOUGH® TUMBLER PADLOCK – SHROUDED - DIFFERENT KEY WITH BORON-ALLOY SHACKLE

PART NUMBER	BODY WIDTH	SHACKLE HEIGHT	SHACKLE DIAMETER	PRICE
ML-6321EURD	2 1/8" (54 mm)	3/4" (19 mm)	5/16" (8 mm)	£34.14

New



1840

### BRASS PADLOCK – SHROUDED WITH OCTAGONAL BORON-CARBIDE SHACKLE

PART NUMBER	BODY WIDTH	SHACKLE HEIGHT	SHACKLE DIAMETER	PRICE
ML-1177D	2 1/4" (57 mm)	1 1/16" (28 mm)	3/8" (10 mm)	£31.64

New



1840

### WEATHER TOUGH® TUMBLER PADLOCK – LONG SHACKLE - DIFFERENT KEY WITH BORON-ALLOY SHACKLE

PART NUMBER	BODY WIDTH	SHACKLE HEIGHT	SHACKLE DIAMETER	PRICE
ML-6121EURDLJ	2 1/8" (54 mm)	2 1/2" (63 mm)	5/16" (8 mm)	£25.90

New



1840

### DIE CAST ZINC PADLOCK WITH OCTAGONAL BORON-CARBIDE SHACKLE

PART NUMBER	BODY WIDTH	SHACKLE HEIGHT	SHACKLE DIAMETER	PRICE
ML-1178D	2 1/4" (57 mm)	1 1/16" (28 mm)	3/8" (10 mm)	£19.34

## PRO SERIES - REKEYABLE 5 PIN CYLINDER PADLOCKS

### DESCRIPTION

The ProSeries padlock range was designed to endure the toughest security applications by providing extra protection against corrosion, abuse and attack. Ideal for securing basement storage units, garages or factory fences.

### FEATURES

- Ideal for harsh outdoor conditions – exclusive Weather Tough cover protects lock from water, ice, dirt and grime
- ProSeries padlocks are designed for commercial/industrial applications
- 2-3/8" (60 mm) heavy steel body withstands attack
- 1-3/8" (35 mm) tall, 3/8" (10 mm) diameter hardened boron alloy shackle for superior cut resistance
- Dual ball locking mechanism resists pulling and prying
- High security, rekeyable 5 pin cylinder with spool pins is virtually impossible to pick



### WEATHER TOUGH® TUMBLER PADLOCK – DIFFERENT KEY WITH BORON-ALLOY SHACKLE



1840

PART NUMBER	BODY WIDTH	SHACKLE HEIGHT	SHACKLE DIAMETER	PRICE
ML-6125	2 3/8" (60 mm)	1 3/8" (35 mm)	3/8" (10 mm)	£25.90

## EXCELL COMMERCIAL PADLOCKS

### DESCRIPTION

The Master Lock Commercial Excell® No. M1ST S Laminated Steel Padlock with Stainless Steel Body Cover features a laminated steel body encased in a stainless steel body cover for maximum strength and weatherability. The 8 mm diameter octagonal shackle is 25 mm long and made of chrome plated boron carbide, 50% harder than hardened steel, offering maximum resistance to cutting and sawing. The 4-pin cylinder prevents picking and the dual locking ball bearings provide maximum resistance against prying and hammering. Commercial Excell® offers a higher level of weatherability and security for applications in outdoor, corrosive and caustic environments.

### FEATURES

- Jar of 48 black vinyl covered padlocks
- 30 mm padlock body, 5 mm dia. shackle
- 3 keys per padlock – keyed alike

### FEATURES

- Stainless steel body cover and top and bottom plates for exceptional weatherability
- Laminated steel body for superior durability
- 25 mm octagonal boron carbide shackle is 50% harder than hardened steel
- Chrome plated shackle for excellent rust resistance
- Superior pry resistance with dual ball bearing locking
- Can be keyed into existing K1 or WP4 Edge keyways



### COMMERCIAL EXCELL LAMINATED STEEL PADLOCK



1840

PART NUMBER	DESCRIPTION	PRICE
ML-M1STS	44 mm wide	£12.58
ML-M1LFSTS	44 mm wide, 38 mm shackle, keyed alike	£14.15
ML-M1LJSTS	44 mm wide, 64 mm shackle, keyed alike	£14.54
ML-M1KASTS	44 mm wide, keyed alike	£13.52
ML-M1KALFSTS	44 mm wide, 38 mm shackle, keyed alike	£15.09
ML-M1KALJSTS	44 mm wide, 64 mm shackle, keyed alike	£15.48



### JAR OF 48 BLACK VINYL COVERED PADLOCKS 30 MM ALUMINIUM COVERED



1840

PART NUMBER	DESCRIPTION	PRICE
ML-1270WLOCK1	30 mm wide, 5 mm shackle, keyed alike	£185.47



### COMMERCIAL EXCELL LAMINATED STEEL PADLOCK



1840

PART NUMBER	DESCRIPTION	PRICE
ML-M5STS	51 mm wide	£15.87
ML-M5LFSTS	51 mm wide, 38 mm shackle, keyed alike	£17.44
ML-M5LJSTS	51 mm wide, 64 mm shackle, keyed alike	£17.82
ML-M5KASTS	51 mm wide, keyed alike	£16.80
ML-M5KALFSTS	51 mm wide, 38 mm shackle, keyed alike	£18.38
ML-M5KALJSTS	51 mm wide, 64 mm shackle, keyed alike	£18.76
ML-M5KALJSTS	51 mm wide, 64 mm shackle, keyed alike	£18.76

## ZENEX PADLOCKS

### FEATURES

- Plastic shackle helps prevent electrocution and arc flashing, also prevents electrical current from shackle to key (ML-406RED only)
- All components are non-sparking and non-magnetic: plastic, copper, brass (ML-406RED only)
- Designed exclusively for lockout tagout applications
- Key retaining – ensures that padlock is not left unlocked
- Durable, lightweight, non-conductive Thermoplastic lock body
- Keyed different, 6 pin tumbler with over 40,000 available key changes cylinder
- Commercial Packaging, shelf pack qty 6, Master Carton qty 36

New

### 406 DIELECTRIC THERMOPLASTIC SAFETY PADLOCK KEY RETAINING WITH PLASTIC SHACKLE



1840

PART NUMBER	BODY WIDTH	SHACKLE HEIGHT	SHACKLE DIAMETER	PRICE
ML-406RED	1 1/2" (38 mm)	1 1/2" (38 mm)	1/4" (6 mm)	£12.99

New

### 410 THERMOPLASTIC SAFETY PADLOCK KEY RETAINING WITH METAL SHACKLE



1840

PART NUMBER	BODY WIDTH	SHACKLE HEIGHT	SHACKLE DIAMETER	PRICE
ML-410RED	1 1/2" (38 mm)	1 1/2" (38 mm)	1/4" (6 mm)	£11.88

## SAFETY HASPS

### FEATURES

- Lockout by multiple workers at each lockout
- Keeps equipment inoperative while repairs or adjustments are being made
- Control cannot be turned on until last worker's safety padlock is removed from hasp
- Heavy gauge steel jaw, red vinyl coated handle
- Holds up to 6 safety padlocks

New

### STEEL LOCKOUT HASP WITH RED HANDLE

1 1/2" / 38 MM DIAMETER JAWS



1840

PART NUMBER	DESCRIPTION	PRICE
ML-421	60 mm x 127 mm with 38 mm inside jaw diameter	£5.86

New

### STEEL LOCKOUT HASP WITH RED HANDLE

1" / 25 MM DIAMETER JAWS



1840

PART NUMBER	DIMENSIONS	PRICE
ML-420	1 3/4" x 4 1/2" (44 mm x 114 mm)	£4.97

## GATE VALVE COVERS

### FEATURES

- Outward / inward rotation allows for easier installation and storage
- Surrounds the valve operating handle to protect against accidental valve opening
- Unique patented, rotating design allows for easier installation in confined space applications
- Each size rotates into itself and nests into the next larger size to save space in safety tool boxes
- Centre knockout can be removed for rising stem gate valves
- Multiple workers can apply their personal safety padlocks
- Complete with high visibility permanent safety labels that can be written on to identify the responsible person
- Tough, lightweight, dielectric thermoplastic bodies withstand chemicals
- Performs effectively in extreme conditions
- Includes high visibility permanent safety labels

New

### ROTATING GATE VALVE LOCKOUT DEVICE

FOR VALVE HANDLES 25 – 76 MM



1840

PART NUMBER	DEPTH	STEM OPENING	PRICE
ML-480	1 1/6" (30 mm)	3/4" (19 mm)	£10.37

New

### ROTATING GATE VALVE LOCKOUT DEVICE

FOR VALVE HANDLES 51 – 127 MM



1840

PART NUMBER	DEPTH	STEM OPENING	PRICE
ML-481	1 1/2" (38 mm)	1 1/2" (38 mm)	£15.56

New

### ROTATING GATE VALVE LOCKOUT DEVICE

FOR VALVE HANDLES 102 – 165 MM



1840

PART NUMBER	DEPTH	STEM OPENING	PRICE
ML-482	1 7/8" (48 mm)	2 1/2" (64 mm)	£22.35

New

### ROTATING GATE VALVE LOCKOUT DEVICE

FOR VALVE HANDLES 152 – 254 MM



1840

PART NUMBER	DEPTH	STEM OPENING	PRICE
ML-483	2 3/4" (70 mm)	3 1/2" (89 mm)	£33.33

New

### ROTATING GATE VALVE LOCKOUT DEVICE

FOR VALVE HANDLES 203 – 330 MM



1840

PART NUMBER	DEPTH	STEM OPENING	PRICE
ML-484	3 3/8" (86 mm)	4" (101 mm)	£59.76

## LOCKOUT KITS

### FEATURES

- Blister kit containing:
- 1 x S1010 compact pouch with Velcro strap
  - 2 x S32KARED Dielectric Thermoplastic Safety Padlocks – keyed alike
  - 1 x S2390 Miniature Circuit Breaker Lockout – standard toggles
  - 1 x S2391 Miniature Circuit Breaker Lockout – wide toggles
  - 1 x S2392 Miniature Circuit Breaker Lockout – pins inward
  - 1 x S2393 Universal Miniature Circuit Breaker Lockout
  - 1 x 491B Grip Tight Circuit Breaker Lockout – wide or tall breaker toggles
  - 2 x S4268LEN Reusable Guardian Extreme Tags "Warning Equipment has been locked out" made from rugged industrial grade polypropylene
  - Master carton qty 4. Commercial packaging



1840

New

### ELECTRICAL KIT CLAMSHELL STYLE

PART NUMBER	DESCRIPTION	PRICE
ML-ELECKIT-UK	Electrical Lockout Kit	£63.05

### FEATURES

- Blister kit containing:
- 1 x S1010 compact pouch with Velcro strap
  - 2 x S32KARED Dielectric Thermoplastic Safety Padlocks – keyed alike
  - 1 x S2390 Miniature Circuit Breaker Lockout – standard toggles
  - 1 x S2391 Miniature Circuit Breaker Lockout – wide toggles
  - 1 x S2392 Miniature Circuit Breaker Lockout – pins inward
  - 1 x S2393 Universal Miniature Circuit Breaker Lockout
  - 1 x 491B Grip Tight Circuit Breaker Lockout – wide or tall breaker toggles
  - 1 x 493B Grip Tight Circuit Breaker Lockout – standard breaker toggles
  - 2 x S4331LFR Reusable Guardian Extreme Tags "Ne pas utiliser" made from rugged industrial grade polypropylene
  - 1 x 428 Nylon Lockout Hasp – flexible shackle
  - 1 x S806 1.83 m adjustable lockout cable
  - Master carton qty 4. Commercial packaging



1840

New

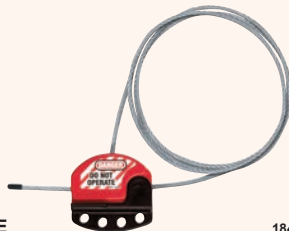
### GENERAL MAINTENANCE KIT CLAMSHELL STYLE

PART NUMBER	DESCRIPTION	PRICE
ML-MAINKIT-UK	General Maintenance LOTO Kit	£91.28

## LOCKOUTS

### FEATURES

- Patented 5/32" (4 mm) diameter x 6ft (1.83 m) pull-tight cable adjusts for a secure fit every time. Also available from 2 to 50ft (0.61 m to 15.24 m) long
- Integrated safety lockout hasp and cable is ideal for multiple circuit breaker panels and side-by-side gate valve lockouts
- Tough, flexible multi-stranded steel cable is insulated with a clear plastic coating (PVC free)
- Feed the cable end through the points to be locked out, then back through the lockout body
- Cinch it tight to remove any slack with the patented locking feature
- Tough, lightweight thermoplastic body withstands chemicals
- Performs effectively in extreme conditions
- Includes high visibility, write-on safety labels
- Replaces 8611 Adjustable Cable Lockout Device



1840

New

### LOCKOUT DEVICE WITH ADJUSTABLE CABLE

PART NUMBER	CABLE DIAMETER	PRICE
ML-S806	1.83 m x 4 mm	£17.37

### FEATURES

- Patented locking mechanism holds the cable tight at any position from 30 cm to 1.8 m for infinite locking positions
- Interchangeable cables for application flexibility
- 100% steel braided cable
- Weather tough and rust resistant lock body and cable
- Vinyl sleeve and lock body bumper prevents scratching
- Strap holds excess cable for compact storage



1840

New

### PYTHON ADJUSTABLE KEYED CABLE 10 MM DIAMETER

PART NUMBER	HASP LENGTH	FOR SHACKLE SIZE	PRICE
ML-8433EURD	1.8 m	Up to 10 mm	£27.30

## LOCKOUTS

### FEATURES

- Locks virtually all miniature ISO/DIN circuit breakers throughout the world
- Thumb turn dial screw for easy attachment – no tools required
- Dial is inaccessible in the locked position to prevent removal
- Safety padlock can be applied horizontally or vertically
- Can be mounted side-by-side on adjacent miniature circuit breakers
- Durable thermoplastic material is chemical resistant and performs effectively in extreme environments
- Works with all Master Lock safety padlocks and lockout hasps



### TOOL FREE LOCKOUT DEVICE UNIVERSAL MINI CIRCUIT BREAKER



1840

PART NUMBER	DESCRIPTION	PRICE
ML-S2394	Tool Free Universal Fit	£10.26

### FEATURES

- Prevents pneumatic fitting from being connected to pressurised air source
- Fits virtually all male pneumatic fittings found in manufacturing facilities
- Stainless steel construction for corrosion resistance
- Accepts any Master Lock safety padlock
- Works with lockout hasps for multiple worker lockout tagout
- Replaced obsolete model 465 pneumatic lockout device



### PNEUMATIC LOCKOUT DEVICE STAINLESS STEEL



1840

PART NUMBER	WIDTH	HEIGHT	THICKNESS	PRICE
ML-S3900	1 3/8" (33 mm)	7 3/4" (185 mm)	1/8" (3.2 mm)	£15.39

### FEATURES

- 1/4 Turn ball valve lockout
- Fits manual, quarter turn ball valve handles to protect against accidental opening
- Easy to use, one piece design locks valve in OFF position
- Compact size can easily be stored or carried
- Two rows of lock out points allow for a secure fit
- Heat resistant, powder coated, metal body



### WEDGE STYLE BALL VALVE LOCKOUT FITS VALVES 1/4" (6 MM) to 1" (25 MM)



1840

PART NUMBER	FITS VALVES	PRICE
ML-S3476	1/4" (6 mm) - 1" (25 mm)	£18.85

### FEATURES

- Heavy duty laminated english tags
- 7/16" (11 mm) diameter brass grommet accepts all safety padlocks
- Complies with OSHA lockout tagout standard
- Durable polyester laminate resists water, grease and extreme temperatures
- Heavy duty construction withstands over 50 lbs (23 kg) of pullout force (meets OSHA lockout / tagout requirement)
- Tags are customisable with name, department and expected completion date.
- One item consists of 1 bag with 12 tags and 12 ties



### HEAVY DUTY SAFETY TAGS 'DO NOT OPERATE' – PACK OF 12



1840

PART NUMBER	DIMENSIONS	PRICE
ML-497A	5 3/4" (146 mm) high x 3 1/8" (79 mm)	£17.84

### FEATURES

- 1/4 Turn ball valve lockout
- Fits manual, quarter turn ball valve handles to protect against accidental opening
- Easy to use, one piece design locks valve in OFF position
- Compact size can easily be stored or carried
- Two rows of lockout points allow for a secure fit
- Heat resistant, powder coated metal body



### WEDGE STYLE BALL VALVE LOCKOUT FITS VALVES 1 1/4" (32 MM) to 3" (76 MM)



1840

PART NUMBER	FITS VALVES	PRICE
ML-S3477	1 1/4" (32 mm) - 3" (76 mm)	£36.49

## DESCRIPTION

FastTest External (FE) Connectors deliver fast, leak free connections for vacuum and pressure testing, fluid filling or flushing applications. The FE quick connectors seal externally to a wide variety of smooth or threaded tubes, and the uniform seal movement makes a leak tight, quick connection, even over threaded, rough and oily surfaces. The connectors are ideal for automated processes and high volume production testing. Compressed air activates the seals for a full flow test with air, gas or liquid. Ideally suited to pick and place parts handling applications.

## SPECIFICATION

Connection type	External tubes
Connection method	Automated pneumatic
Pressure rating	500 psi (34.4 bar)
Test pressure	Vacuum to 500 psi
Pilot operation	60 to 90 psi air supply
<b>MATERIALS</b>	
Housing materials	Aluminium and stainless steel
Seal material	Neoprene



## EXTERNAL TUBE & THREAD CONNECTOR

New



6410

### BASE CONNECTOR WITH SEALS

PART NUMBER	SEALING RANGE	TERMINATION	BODY SIZE	PRICE
FASFEM0010050	0.030" - 0.050"	1/8" BSPP	001	£335.06
FASFEM0010001	0.050" - 0.080"	1/8" BSPP	001	£335.06
FASFEM0010002	0.080" - 0.130"	1/8" BSPP	001	£335.06
FASFEM0101	0.100" - 0.180"	1/8" BSPP	01	£371.35
FASFEM0102	0.180" - 0.260"	1/8" BSPP	01	£371.35
FASFEM0103	0.260" - 0.340"	1/8" BSPP	01	£371.35
FASFEM0104	0.340" - 0.420"	1/8" BSPP	01	£371.35
FASFEM0105	0.420" - 0.510"	1/8" BSPP	01	£371.35
FASFEM115	0.433" - 0.512"	1/4" BSPP	1	£472.96
FASFEM116	0.512" - 0.591"	1/4" BSPP	1	£472.96
FASFEM117	0.591" - 0.669"	1/4" BSPP	1	£472.96
FASFEM118	0.669" - 0.750"	1/4" BSPP	1	£472.96
FASFEM119	0.750" - 0.827"	1/4" BSPP	1	£472.96
FASFEM221	0.787" - 0.866"	1/2" BSPP	2	£597.55
FASFEM222	0.866" - 0.945"	1/2" BSPP	2	£597.55
FASFEM223	0.945" - 1.024"	1/2" BSPP	2	£597.55
FASFEM224	1.024" - 1.102"	1/2" BSPP	2	£597.55
FASFEM225	1.102" - 1.181"	1/2" BSPP	2	£597.55
FASFEM226	1.181" - 1.260"	1/2" BSPP	2	£597.55
FASFEM227	1.260" - 1.339"	1/2" BSPP	2	£597.55
FASFEM228	1.339" - 1.417"	1/2" BSPP	2	£597.55
FASFEM229	1.417" - 1.510"	1/2" BSPP	2	£597.55

New



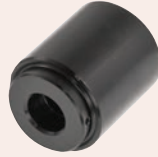
6410

### BASE CONNECTOR WITH SEALS

PART NUMBER	SEALING RANGE	TERMINATION	BODY SIZE	PRICE
FASFEM331	1.496" - 1.614"	1" BSPP	3	£1008.81
FASFEM332	1.614" - 1.732"	1" BSPP	3	£1008.81
FASFEM333	1.732" - 1.850"	1" BSPP	3	£1008.81
FASFEM334	1.850" - 1.969"	1" BSPP	3	£1008.81
FASFEM441	1.969" - 2.087"	1 1/2" BSPP	4	£1220.49
FASFEM442	2.087" - 2.205"	1 1/2" BSPP	4	£1220.49
FASFEM443	2.205" - 2.323"	1 1/2" BSPP	4	£1220.49
FASFEM444	2.323" - 2.441"	1 1/2" BSPP	4	£1220.49
FASFEM445	2.441" - 2.559"	1 1/2" BSPP	4	£1220.49
FASFEM446	2.559" - 2.677"	1 1/2" BSPP	4	£1220.49
FASFEM447	2.677" - 2.795"	1 1/2" BSPP	4	£1220.49
FASFEM448	2.795" - 2.913"	1 1/2" BSPP	4	£1220.49
FASFEM449	2.913" - 3.032"	1 1/2" BSPP	4	£1220.49

For Vacuum products see section 9



**EXTERNAL TUBE & THREAD**
**BASE CONNECTOR  
WITHOUT SEALS**


6410

PART NUMBER	SEALING RANGE	TERMINATION	BODY SIZE	PRICE
FASFEM01	0.100" - 0.510"	1/8" BSPP	01	£336.27
FASFEM1	0.433" - 0.827"	1/4" BSPP	1	£437.88
FASFEM2	0.787" - 1.510"	1/2" BSPP	2	£534.65
FASFEM3	1.496" - 1.969"	1" BSPP	3	£883.01
FASFEM4	1.969" - 3.032"	1 1/8" BSPP	4	£1070.50

**REPAIR KIT**
**INTERNAL REPAIR KIT  
WITH NEOPRENE PISTON  
O-RINGS**


6410

PART NUMBER	FOR USE WITH	PRICE
FASFER001	FASFEM001	£9.68
FASFER01	FASFEM01	£12.10
FASFER1	FASFEM1	£12.10
FASFER2	FASFEM2	£13.31
FASFER3	FASFEM3	£25.41
FASFER4	FASFEM4	£29.04

**REPLACEMENT SEAL SETS**
**SEAL SET  
ONE COMPLETE SEAL CHANGE**


6410

PART NUMBER	FOR USE WITH	PRICE
FASFES0010050	FASFEM001	£81.05
FASFES001001	FASFEM001	£81.05
FASFES001002	FASFEM001	£81.05
FASFES0101	FASFEM01	£35.08
FASFES0102	FASFEM01	£35.08
FASFES0103	FASFEM01	£35.08
FASFES0104	FASFEM01	£35.08
FASFES0105	FASFEM01	£35.08
FASFES115	FASFEM1	£35.08
FASFES116	FASFEM1	£35.08
FASFES117	FASFEM1	£35.08
FASFES118	FASFEM1	£35.08
FASFES119	FASFEM1	£35.08
FASFES221	FASFEM2	£62.90
FASFES222	FASFEM2	£62.90
FASFES223	FASFEM2	£62.90
FASFES224	FASFEM2	£62.90
FASFES225	FASFEM2	£62.90
FASFES226	FASFEM2	£62.90
FASFES227	FASFEM2	£62.90
FASFES228	FASFEM2	£62.90
FASFES229	FASFEM2	£62.90
FASFES331	FASFEM3	£125.80
FASFES332	FASFEM3	£125.80
FASFES333	FASFEM3	£125.80
FASFES334	FASFEM3	£125.80
FASFES441	FASFEM4	£150.00
FASFES442	FASFEM4	£150.00
FASFES443	FASFEM4	£150.00
FASFES444	FASFEM4	£150.00
FASFES445	FASFEM4	£150.00
FASFES446	FASFEM4	£150.00
FASFES447	FASFEM4	£150.00
FASFES448	FASFEM4	£150.00
FASFES449	FASFEM4	£150.00

PUR seals available on request

**BULK SEAL SET  
10 REPLACEMENT SEALS**


6410

PART NUMBER	FOR USE WITH	PRICE
FASFEB0010050	FASFEM001	£27.83
FASFEB001001	FASFEM001	£27.83
FASFEB001002	FASFEM001	£27.83
FASFEB0101	FASFEM01	£91.93
FASFEB0102	FASFEM01	£91.93
FASFEB0103	FASFEM01	£44.76
FASFEB0104	FASFEM01	£44.76
FASFEB0105	FASFEM01	£44.76
FASFEB115	FASFEM1	£44.76
FASFEB116	FASFEM1	£44.76
FASFEB117	FASFEM1	£44.76
FASFEB118	FASFEM1	£44.76
FASFEB119	FASFEM1	£44.76
FASFEB221	FASFEM2	£163.30
FASFEB222	FASFEM2	£163.30
FASFEB223	FASFEM2	£163.30
FASFEB224	FASFEM2	£163.30
FASFEB225	FASFEM2	£163.30
FASFEB226	FASFEM2	£163.30
FASFEB227	FASFEM2	£163.30
FASFEB228	FASFEM2	£163.30
FASFEB229	FASFEM2	£163.30
FASFEB331	FASFEM3	£335.06
FASFEB332	FASFEM3	£335.06
FASFEB333	FASFEM3	£335.06
FASFEB334	FASFEM3	£335.06
FASFEB441	FASFEM4	£443.93
FASFEB442	FASFEM4	£443.93
FASFEB443	FASFEM4	£443.93
FASFEB444	FASFEM4	£443.93
FASFEB445	FASFEM4	£443.93
FASFEB446	FASFEM4	£443.93
FASFEB447	FASFEM4	£443.93
FASFEB448	FASFEM4	£443.93
FASFEB449	FASFEM4	£443.93

PUR seals available on request



**DESCRIPTION**

FasTest Internal FIM (metric) connectors provide fast, leak free connections for vacuum and pressure testing, fluid filling or flushing applications. The FI quick connectors seal internally to a wide variety of smooth or threaded tubes and the uniform seal movement makes a leak tight connection, even into threaded, rough and oily surfaces. The connectors are activated by compressed regulated air acting on a piston, which expands an elastomeric seal to form a leak free connection. Testing, filling or flushing of the piece is accomplished by introducing air, liquid or gas media through the connector. Ideal for automated processes and high volume production testing, the FI Series connectors are suited to pick and place parts handling applications.

**FEATURES**

- Pneumatic operation seals inside tubes and pipes
- Designed for production testing applications
- Pick and place parts handling
- Stroke limiter regulates seal expansion

**SPECIFICATION**

Connection Method	Automated pneumatic
Connection Type	Internal tubes / bores
Pressure Rating	120 psi (8.2 bar)
Test Pressure	Vacuum to 120 psi
Pilot Operation	60 to 90 psi air supply

**MATERIALS**

Housing Materials	Aluminium and stainless steel
Seal Material	Neoprene


**INTERNAL TUBE & THREAD CONNECTOR**
**BASE CONNECTOR WITH SEALS**


6410

**BASE CONNECTOR WITH SEALS**


6410

PART NUMBER	SEALING RANGE	TERMINATION	BODY SIZE	PRICE
FASFIM010300	0.310" - 0.330"	M5 x 0.8	01	£336.27
FASFIM0101	0.330" - 0.394"	M5 x 0.8	01	£336.27
FASFIM111	0.394" - 0.472"	1/8" BSPP	1	£453.60
FASFIM112	0.472" - 0.551"	1/8" BSPP	1	£453.60
FASFIM113	0.551" - 0.630"	1/8" BSPP	1	£453.60
FASFIM221	0.630" - 0.709"	1/8" BSPP	2	£476.59
FASFIM222	0.709" - 0.787"	1/8" BSPP	2	£476.59
FASFIM223	0.787" - 0.866"	1/8" BSPP	2	£476.59
FASFIM331	0.866" - 0.945"	1/8" BSPP	3	£515.29
FASFIM332	0.945" - 1.024"	1/8" BSPP	3	£515.29
FASFIM333	1.024" - 1.102"	1/8" BSPP	3	£515.29

PART NUMBER	SEALING RANGE	TERMINATION	BODY SIZE	PRICE
FASFIM441	1.102" - 1.181"	1/8" BSPP	4	£521.34
FASFIM442	1.181" - 1.260"	1/8" BSPP	4	£521.34
FASFIM443	1.260" - 1.339"	1/8" BSPP	4	£521.34
FASFIM551	1.339" - 1.457"	1/2" BSPP	5	£620.53
FASFIM552	1.457" - 1.575"	1/2" BSPP	5	£620.53
FASFIM553	1.575" - 1.693"	1/2" BSPP	5	£620.53
FASFIM661	1.693" - 1.850"	1/2" BSPP	6	£637.46
FASFIM662	1.850" - 2.008"	1/2" BSPP	6	£637.46
FASFIM663	2.008" - 2.165"	1/2" BSPP	6	£637.46

**INTERNAL TUBE & THREAD CONNECTOR**
**BASE CONNECTORS WITHOUT SEALS**


6410

PART NUMBER	SEALING SIZE	TERMINATION	BODY SIZE	PRICE
FASFIM01	0.310" - 0.394"	M5 x 0.8	01	£307.24
FASFIM1	0.394" - 0.630"	1/8" BSPP	1	£418.53
FASFIM2	0.630" - 0.866"	1/8" BSPP	2	£441.51
FASFIM3	0.866" - 1.102"	1/8" BSPP	3	£471.75
FASFIM4	1.102" - 1.339"	1/8" BSPP	4	£477.80
FASFIM5	1.339" - 1.693"	1/2" BSPP	5	£537.07
FASFIM6	1.693" - 2.165"	1/2" BSPP	6	£554.00

**REPAIR KIT**
**REPAIR KIT WITH SHAFTS AND NEOPRENE O-RINGS**


6410

PART NUMBER	FOR USE WITH	PRICE
FASFIR01	FASFIM01	£12.10
FASFIR1	FASFIM1, FASFIM2	£12.10
FASFIR3	FASFIM3, FASFIM4	£14.52
FASFIR6	FASFIM5, FASFIM6	£15.73
FASFIR7	FASFIM7, FASFIM8	£15.73

**REPLACEMENT SEAL SETS**
**SEAL SET ONE COMPLETE SEAL CHANGE**


6410

PART NUMBER	FOR USE WITH	PRICE
FASFIS010300	FASFIM01	£29.04
FASFIS0101	FASFIM01	£29.04
FASFIS111	FASFIM1	£35.08
FASFIS112	FASFIM1	£35.08
FASFIS113	FASFIM1	£35.08
FASFIS221	FASFIM2	£35.08
FASFIS222	FASFIM2	£35.08
FASFIS223	FASFIM2	£35.08
FASFIS331	FASFIM3	£43.55
FASFIS332	FASFIM3	£43.55
FASFIS333	FASFIM3	£43.55
FASFIS441	FASFIM4	£43.55
FASFIS442	FASFIM4	£43.55
FASFIS443	FASFIM4	£43.55
FASFIS551	FASFIM5	£83.47
FASFIS552	FASFIM5	£83.47
FASFIS553	FASFIM5	£83.47
FASFIS661	FASFIM6	£83.47
FASFIS662	FASFIM6	£83.47
FASFIS663	FASFIM6	£83.47

PUR seals available on request

**BULK SEAL SET 5 REPLACEMENT SEALS**


6410

PART NUMBER	FOR USE WITH	PRICE
FASFIB010300	FASFIM010300	£56.86
FASFIB0101	FASFIM0101	£56.86
FASFIB111	FASFIM111	£58.07
FASFIB112	FASFIM112	£58.07
FASFIB113	FASFIM113	£58.07
FASFIB221	FASFIM221	£58.07
FASFIB222	FASFIM222	£58.07
FASFIB223	FASFIM223	£58.07
FASFIB331	FASFIM331	£88.31
FASFIB332	FASFIM332	£88.31
FASFIB333	FASFIM333	£88.31
FASFIB441	FASFIM441	£88.31
FASFIB442	FASFIM442	£88.31
FASFIB443	FASFIM443	£88.31
FASFIB551	FASFIM551	£235.88
FASFIB552	FASFIM552	£235.88
FASFIB553	FASFIM553	£235.88
FASFIB661	FASFIM661	£235.88
FASFIB662	FASFIM662	£235.88
FASFIB663	FASFIM663	£235.88

PUR seals available on request

### DESCRIPTION

TwistMate's unique "twist to connect" and pressure assisted grip and seal is simple to use. Turn finger-tight onto thread until face seal contacts test piece. TwistMate will automatically seal when the system is pressurised with air, gas or hydraulic pressure that presses the main seal against the test piece. The internal piston action maintains the seal with minimum pressure. TwistMate connectors are not designed for or intended as permanent connections. Such use may result in inadvertent loosening and media loss.

### FEATURES

- For vacuum or pressure test applications up to 10,000 psi (689 bar)
- Eliminates tape, sealants and operator fatigue from traditional wrenching methods
- Reduces wear on test piece and prevents contamination of media
- Easy to use with operator adjustment necessary
- Rugged stainless steel construction endures demanding production environments

### APPLICATIONS

- Leak testing - water dunk, pressure decay, helium mass spectrometer
- Calibration, filling, pressure and proof testing
- Ideal for piping, cooling, heating, fluid, hydraulic, pneumatic, refrigerant and fittings
- Eliminates tape, sealants, wrenches and damage to threaded parts
- Durable, easy to replace main seal



### SPECIFICATION

Connection type	External threads (female)
Connection method	Twist to connect

### MATERIALS

Seals	Urethane
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## MET EXTERNAL THREAD CONNECTORS

New

### SWIVEL CONNECTOR CONNECTS TO / SEALS MALE BSPP THREADS



6410

PART NUMBER	CONNECTS TO / SEALS	TERMINATION (FEMALE)	PRESSURE RATING	PRICE
FASMET025025	1/8" BSPP	1/8" BSPP	5000 psi	£81.05
FASMET045045	1/4" BSPP	1/4" BSPP	5000 psi	£85.89
FASMET065065	3/8" BSPP	3/8" BSPP	4000 psi	£125.80
FASMET085085	1/2" BSPP	1/2" BSPP	4000 psi	£151.20

### CONNECTS TO / SEALS MALE BSPT THREADS

FASMET025T025	1/8" BSPT	1/8" BSPT	4000 psi	£81.05
FASMET045T045	1/4" BSPT	1/4" BSPT	5000 psi	£85.89
FASMET065T065	3/8" BSPT	3/8" BSPT	4000 psi	£125.80
FASMET085T085	1/2" BSPT	1/2" BSPT	4000 psi	£151.20

New

### CAP CONNECTS TO / SEALS MALE BSPP THREADS



6410

PART NUMBER	CONNECTS TO / SEALS	PRESSURE RATING	PRICE
FASMET025C	1/8" BSPP	5000 psi	£54.44
FASMET045C	1/4" BSPP	5000 psi	£56.86
FASMET065C	3/8" BSPP	4000 psi	£83.47
FASMET085C	1/2" BSPP	4000 psi	£99.19

### CONNECTS TO / SEALS MALE BSPT THREADS

FASMET025TC	1/8" BSPT	5000 psi	£55.65
FASMET045TC	1/4" BSPT	5000 psi	£56.86
FASMET065TC	3/8" BSPT	4000 psi	£83.47
FASMET085TC	1/2" BSPT	4000 psi	£99.19

## MET REPLACEMENT SEAL SET

New

### SEAL SET 5 REPLACEMENT SEALS URETHANE



6410

PART NUMBER	FOR USE WITH	PRICE
FASS1105U70	1/8" threads	£24.20
FASS1108U70	1/4" threads	£24.20
FASS1110U70	3/8" threads	£26.62
FASS1112U70	1/2" threads	£27.83

PUR seals available on request

## MET REPAIR KIT

New

### EXTERNAL REPAIR KIT



6410

PART NUMBER	FOR USE WITH	PRICE
FASMETR02	1/8" threads	£14.52
FASMETR04	1/4" threads	£14.52
FASMETR06	3/8" threads	£16.94
FASMETR08	1/2" threads	£16.94

**MIT INTERNAL THREAD CONNECTORS**
**New**
**SWIVEL CONNECTOR  
CONNECTS TO / SEALS  
FEMALE BSPP PORTS**


6410

PART NUMBER	CONNECTS TO / SEALS	TERMINATION (FEMALE)	PRESSURE RATING	PRICE
FASMIT026025	1/8" BSPP	1/8" BSPP	5000 psi	£123.38
FASMIT046045	1/4" BSPP	1/4" BSPP	5000 psi	£125.80
FASMIT066065	3/8" BSPP	3/8" BSPP	4000 psi	£142.74
FASMIT086085	1/2" BSPP	1/2" BSPP	4000 psi	£165.72
FASMIT126125	3/4" BSPP	3/4" BSPP	4000 psi	£312.08
FASMIT166165	1" BSPP	1" BSPP	4000 psi	£726.97

**CONNECTS TO / SEALS FEMALE BSPT PORTS**

FASMIT026T025	1/8" BSPT	1/8" BSPT	5000 psi	£116.13
FASMIT046T045	1/4" BSPT	1/4" BSPT	5000 psi	£119.76
FASMIT066T065	3/8" BSPT	3/8" BSPT	4000 psi	£135.48
FASMIT086T085	1/2" BSPT	1/2" BSPT	4000 psi	£157.25
FASMIT126T125	3/4" BSPT	3/4" BSPT	4000 psi	£297.57
FASMIT166T165	1" BSPT	1" BSPT	4000 psi	£691.90

**CONNECTS TO / SEALS FEMALE METRIC PORTS**

FASMIT108025	M10 x 1.0	1/8" BSPP	5000 psi	£123.38
FASMIT128045	M12 x 1.5	1/4" BSPP	5000 psi	£125.80
FASMIT148045	M14 x 1.5	1/4" BSPP	5000 psi	£125.80
FASMIT168045	M16 x 1.5	3/8" BSPP	4000 psi	£138.97
FASMIT188065	M18 x 1.5	3/8" BSPP	4000 psi	£143.95
FASMIT228085	M22 x 1.5	1/2" BSPP	4000 psi	£165.72

**New**
**PLUG  
CONNECTS TO / SEALS  
FEMALE BSPP PORTS**


6410

PART NUMBER	CONNECTS TO / SEALS	PRESSURE RATING	PRICE
FASMIT026P	1/8" BSPP	5000 psi	£55.65
FASMIT046P	1/4" BSPP	5000 psi	£65.32
FASMIT066P	3/8" BSPP	4000 psi	£67.74
FASMIT086P	1/2" BSPP	4000 psi	£99.19
FASMIT126P	3/4" BSPP	4000 psi	£217.73
FASMIT166P	1" BSPP	4000 psi	£237.09

**CONNECTS TO / SEALS FEMALE BSPT PORTS**

FASMIT026TP	1/8" BSPT	5000 psi	£55.65
FASMIT046TP	1/4" BSPT	5000 psi	£65.32
FASMIT066TP	3/8" BSPT	4000 psi	£67.74
FASMIT086TP	1/2" BSPT	4000 psi	£99.19
FASMIT126TP	3/4" BSPT	4000 psi	£217.73
FASMIT166TP	1" BSPT	4000 psi	£237.09

**CONNECTS TO / SEALS FEMALE METRIC PORTS**

FASMIT108P	M10 x 1.0	5000 psi	£91.93
FASMIT128P	M12 x 1.5	5000 psi	£104.03
FASMIT148P	M14 x 1.5	5000 psi	£104.03
FASMIT168P	M16 x 1.5	4000 psi	£114.92
FASMIT188P	M18 x 1.5	4000 psi	£114.92
FASMIT228P	M22 x 1.5	4000 psi	£125.80

**New**
**NON-SWIVEL CONNECTOR  
CONNECTS TO / SEALS  
FEMALE BSPP PORTS**


6410

PART NUMBER	CONNECTS TO / SEALS	TERMINATION (FEMALE)	PRESSURE RATING	PRICE
FASMIT026025X	1/8" BSPP	1/8" BSPP	5000 psi	£91.93
FASMIT046045X	1/4" BSPP	1/4" BSPP	5000 psi	£104.03
FASMIT066065X	3/8" BSPP	3/8" BSPP	4000 psi	£114.92
FASMIT086085X	1/2" BSPP	1/2" BSPP	4000 psi	£124.59
FASMIT126125X	3/4" BSPP	3/4" BSPP	4000 psi	£260.07
FASMIT166165X	1" BSPP	1" BSPP	4000 psi	£290.31

**CONNECTS TO / SEALS FEMALE BSPT PORTS**

FASMIT026T025X	1/8" BSPT	1/8" BSPT	5000 psi	£91.93
FASMIT046T045X	1/4" BSPT	1/4" BSPT	5000 psi	£104.03
FASMIT066T065X	3/8" BSPT	3/8" BSPT	4000 psi	£114.92
FASMIT086T085X	1/2" BSPT	1/2" BSPT	4000 psi	£124.59
FASMIT126T125X	3/4" BSPT	3/4" BSPT	4000 psi	£217.73
FASMIT166T165X	1" BSPT	1" BSPT	4000 psi	£237.09

**MIT REPLACEMENT SEAL SET**
**New**
**SEAL SET  
5 REPLACEMENT SEALS  
URETHANE**


6410

PART NUMBER	FOR USE WITH	PRICE
FASS1109U70	1/8" threads	£24.20
FASS1111U70	1/4" threads	£26.62
FASS1113U70	3/8" threads	£27.83
FASS1209U70	1/2" threads	£30.24

PUR seals available on request

**MIT REPAIR KIT**
**New**
**INTERNAL REPAIR KIT  
FOR SWIVEL CONNECTOR**


6410

PART NUMBER	FOR USE WITH	PRICE
FASMITR020	1/8" and M10 threads	£13.31
FASMITR040	1/4" and M12 threads	£13.31
FASMITR060	3/8" and M14 threads	£13.31
FASMITR080	1/2" and M16 threads	£13.31
FASMITR120	3/4" and M18 threads	£15.73
FASMITR160	1" and M22 threads	£18.15

**FOR NON-SWIVEL CONNECTOR**

FASMITR02	1/8" threads	£9.68
FASMITR04	1/4" threads	£9.68
FASMITR06	3/8" threads	£9.68
FASMITR08	1/2" threads	£9.68
FASMITR12	3/4" threads	£10.89
FASMITR16	1" threads	£13.31
FASMITR20	1 1/4" threads	£15.73

## DESCRIPTION

FasTest's patented squeeze lever actuation and split collet design, of the FasMate FN Series connectors, provide an instant connection that can significantly decrease the time needed for pressure and vacuum testing, filling, flushing and performance testing. The squeeze lever / split collet operation uses no thread sealant, no wrench tightening and will not damage the port threads. Its rugged design is ideal for production use and FN Series offers the following actuation methods: squeeze lever, pneumatic pilot or pneumatic thumb latch.

## FEATURES

- Instant connection to threaded ports
- Seals to 5000 psi for pneumatic / hydraulic testing
- Safe, reliable, leak tight connection
- Eliminates thread or product damage, sealant and wrench tightening
- Durable stainless steel construction
- Available in multiple thread profiles

## SPECIFICATION

Pressure rating	1/8" – 1/2": 5000 psi (345 bar) 3/4": 3500 psi (240 bar)
Max. side load rating	FN: 12.5 – 75 in-lbs (1.4 – 8.4 Nm) FX: 12.5 – 50 in-lbs (1.4 – 5.65 Nm) FNR: 9.38 – 28.13 in-lbs (1.06 – 3.18 Nm)
FNV/FNP Pilot pressure	65 – 120 psi (4.5 to 8 bar)
FNV/FNP Load rating	1/8" female NPT
<b>MATERIALS</b>	
Housing materials	Stainless steel and anodised aluminium
Seal material	Buna-N

## EXTERNAL THREAD CONNECTORS

New

### SQUEEZE LEVER OPERATION CONNECTS TO / SEALS MALE BSPP THREAD



6410

PART NUMBER	CONNECTS TO	TERMINATION	BODY SIZE	PRICE
FASFXL025041	1/8" BSPP	1/4" NPT	1	£1197.51
FASFXL045041	1/4" BSPP	1/4" NPT	1	£1197.51
FASFXL065061	3/8" BSPP	3/8" NPT	2	£1341.45
FASFXL085061	1/2" BSPP	3/8" NPT	2	£1341.45

### CONNECTS TO / SEALS MALE BSPP THREAD

FASFXL025T041	1/8" BSPT	1/4" NPT	1	£1197.51
FASFXL045T041	1/4" BSPT	1/4" NPT	1	£1197.51
FASFXL065T061	3/8" BSPT	3/8" NPT	2	£1341.45
FASFXL085T061	1/2" BSPT	3/8" NPT	2	£1341.45

New

### PNEUMATIC PILOT OPERATION CONNECTS TO MALE BSPP THREAD



6410

PART NUMBER	CONNECTS TO	TERMINATION	BODY SIZE	PRICE
FASFXP025041	1/8" BSPP	1/4" NPT	1	£1197.51
FASFXP045041	1/4" BSPP	1/4" NPT	1	£1197.51
FASFXP065061	3/8" BSPP	3/8" NPT	2	£1341.45
FASFXP085061	1/2" BSPP	3/8" NPT	2	£1341.45

### CONNECTS TO MALE BSPP THREAD

FASFXP025T041	1/8" BSPT	1/4" NPT	1	£1197.51
FASFXP045T041	1/4" BSPT	1/4" NPT	1	£1197.51
FASFXP065T061	3/8" BSPT	3/8" NPT	2	£1341.45
FASFXP085T061	1/2" BSPT	3/8" NPT	2	£1341.45

New

### PNEUMATIC THUMB VALVE OPERATION CONNECTS TO / SEALS MALE BSPP THREAD



6410

PART NUMBER	CONNECTS TO	TERMINATION	BODY SIZE	PRICE
FASFXV025041	1/8" BSPP	1/4" NPT	1	£1197.51
FASFXV045041	1/4" BSPP	1/4" NPT	1	£1197.51
FASFXV065061	1/4" BSPP	1/4" NPT	2	£1341.45
FASFXV085061	1/2" BSPP	3/8" NPT	2	£1341.45

### CONNECTS TO / SEALS MALE BSPT THREAD

FASFXV025T041	1/8" BSPT	1/4" NPT	1	£1197.51
FASFXV045T041	1/4" BSPT	1/4" NPT	1	£1197.51
FASFXV065T061	3/8" BSPT	3/8" NPT	2	£1341.45
FASFXV085T061	1/2" BSPT	3/8" NPT	2	£1341.45

## REPLACEMENT SEAL SET

New

### SEAL SET 5 REPLACEMENT SEALS BUNA-N



6410

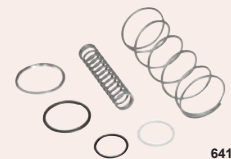
PART NUMBER	FOR USE WITH	PRICE
FASS1105B70	1/8" threads	£24.20
FASS1108B70	1/4" threads	£24.20
FASS1110B70	3/8" threads	£26.62
FASS1112B70	1/2" threads	£27.83

PUR seals available on request

## REPAIR KIT

New

### REPAIR KIT



6410

PART NUMBER	FOR USE WITH	PRICE
FASRFXL021	1/8" threads	£67.74
FASRFXL041	1/4" threads	£67.74
FASRFXL061	3/8" threads	£81.05
FASRFXL081	1/2" threads	£81.05

**INTERNAL THREAD CONNECTORS**
**New**

**SQUEEZE LEVER OPERATION  
CONNECTS TO FEMALE BSPP PORTS**

6410

PART NUMBER	CONNECTS TO	TERMINATION	BODY SIZE	PRICE
FASFNL026025	1/8" BSPP	1/8" BSPP	1	£717.30
FASFNL046045	1/4" BSPP	1/4" BSPP	2	£717.30
FASFNL066065	3/8" BSPP	3/8" BSPP	3	£803.18
FASFNL086085	1/2" BSPP	1/2" BSPP	4	£874.55
FASFNL126125	3/4" BSPP	3/4" BSPP	5	£1197.51

**CONNECTS TO FEMALE BSPT PORTS**

PART NUMBER	CONNECTS TO	TERMINATION	BODY SIZE	PRICE
FASFNL026T025	1/8" BSPT	1/8" BSPP	1	£717.30
FASFNL046T045	1/4" BSPT	1/4" BSPP	2	£717.30
FASFNL066T065	3/8" BSPT	3/8" BSPP	3	£803.18
FASFNL086T085	1/2" BSPT	1/2" BSPP	4	£874.55
FASFNL126T125	3/4" BSPT	3/4" BSPP	5	£1197.51

**CONNECTS TO FEMALE METRIC PORTS**

PART NUMBER	CONNECTS TO	TERMINATION	BODY SIZE	PRICE
FASFNL108025	M10 x 1.0	1/8" BSPP	1	£717.30
FASFNL128045	M12 x 1.5	1/4" BSPP	2	£717.30
FASFNL148045	M14 x 1.5	1/4" BSPP	2	£717.30
FASFNL168065	M16 x 1.5	3/8" BSPP	3	£803.18
FASFNL188065	M18 x 1.5	3/8" BSPP	4	£874.55
FASFNL208065	M20 x 1.5	3/8" BSPP	4	£874.55
FASFNL228085	M22 x 1.5	1/2" BSPP	4	£874.55

**New**

**PNEUMATIC PILOT OPERATION  
CONNECTS TO FEMALE BSPP PORTS**

6410

PART NUMBER	CONNECTS TO	TERMINATION	BODY SIZE	PRICE
FASFNP026025	1/8" BSPP	1/8" BSPP	1	£717.30
FASFNP046045	1/4" BSPP	1/4" BSPP	2	£717.30
FASFNP066065	3/8" BSPP	3/8" BSPP	3	£803.18
FASFNP086085	1/2" BSPP	1/2" BSPP	4	£874.55
FASFNP126125	3/4" BSPP	3/4" BSPP	5	£1197.51

**CONNECTS TO FEMALE BSPT PORTS**

PART NUMBER	CONNECTS TO	TERMINATION	BODY SIZE	PRICE
FASFNP026T025	1/8" BSPT	1/8" BSPP	1	£717.30
FASFNP046T045	1/4" BSPT	1/4" BSPP	2	£717.30
FASFNP066T065	3/8" BSPT	3/8" BSPP	3	£803.18
FASFNP086T085	1/2" BSPT	1/2" BSPP	4	£874.55
FASFNP126T125	3/4" BSPT	3/4" BSPP	5	£1197.51

**CONNECTS FEMALE TO METRIC PORTS**

PART NUMBER	CONNECTS TO	TERMINATION	BODY SIZE	PRICE
FASFNP108025	M10 x 1.0	1/8" BSPP	1	£717.30
FASFNP128045	M12 x 1.5	1/4" BSPP	2	£717.30
FASFNP148045	M14 x 1.5	1/4" BSPP	2	£717.30
FASFNP168065	M16 x 1.5	3/8" BSPP	3	£803.18
FASFNP188065	M18 x 1.5	3/8" BSPP	4	£874.55
FASFNP208065	M20 x 1.5	3/8" BSPP	4	£874.55
FASFNP228085	M22 x 1.5	1/2" BSPP	4	£874.55

**New**

**PNEUMATIC THUMB VALVE OPERATION  
CONNECTS TO FEMALE BSPP PORTS**

6410

PART NUMBER	CONNECTS TO	TERMINATION	BODY SIZE	PRICE
FASFNV026025	1/8" BSPP	1/8" BSPP	1	£717.30
FASFNV046045	1/4" BSPP	1/4" BSPP	2	£717.30
FASFNV066065	3/8" BSPP	3/8" BSPP	3	£803.18
FASFNV086085	1/2" BSPP	1/2" BSPP	4	£874.55
FASFNV126125	3/4" BSPP	3/4" BSPP	5	£1197.51

**CONNECTS TO FEMALE BSPT PORTS**

PART NUMBER	CONNECTS TO	TERMINATION	BODY SIZE	PRICE
FASFNV026T025	1/8" BSPT	1/8" BSPP	1	£717.30
FASFNV046T045	1/4" BSPT	1/4" BSPP	2	£717.30
FASFNV066T065	3/8" BSPT	3/8" BSPP	3	£803.18
FASFNV086T085	1/2" BSPT	1/2" BSPP	4	£874.55
FASFNV126T125	3/4" BSPT	3/4" BSPP	5	£1197.51

**CONNECTS TO FEMALE METRIC PORTS**

PART NUMBER	CONNECTS TO	TERMINATION	BODY SIZE	PRICE
FASFNV108025	M10 x 1.0	1/8" BSPP	1	£717.30
FASFNV128045	M12 x 1.5	1/4" BSPP	2	£717.30
FASFNV148045	M14 x 1.5	1/4" BSPP	2	£717.30
FASFNV168065	M16 x 1.5	3/8" BSPP	3	£803.18
FASFNV188065	M18 x 1.5	3/8" BSPP	4	£803.18
FASFNV208065	M20 x 1.5	3/8" BSPP	4	£874.55
FASFNV228085	M22 x 1.5	1/2" BSPP	4	£874.55

**REPLACEMENT SEAL SET**
**New**

**SEAL SET  
5 REPLACEMENT SEALS  
BUNA-N**

6410

PART NUMBER	FOR USE WITH	PRICE
FASS1108B70	1/8" & M10 threads	£24.20
FASS21250327B60	1/4", M12 & M14 threads	£30.24
FASS1112B70	3/8" threads	£27.83
FASS1208B70	1/2" threads	£29.04
FASS1315B70	3/4" threads	£35.08
FASS21200445B70	M16 threads	£27.83
FASS1206B70	M18 threads	£29.03
FASS1207B70	M20 threads	£29.04
FASS1209B70	M22 threads	£30.24

PUR seals available on request

## DESCRIPTION

FasTest's EZ Connect ZF connectors provide fast, leak tight connections for pressure and vacuum testing, fluid filling and flushing applications from vacuum to 300 psi (20.68 bar). EZ Connect ZF is the newest quick connector in the EZ Connect Series and is designed to provide instant connections to a wide range of formed tube configurations for in-process testing.

## FEATURES

- Wide tolerance seal design provides fit to a range of tube diameters
- Lightweight aluminium body puts less strain on operator
- Finger grooves create an intuitive one-hand operation
- Self-aligning connector reduces connection failures
- Colour coded handles help operator identify correct connector
- Connectors fit in tight placements, providing improved fixture possibilities

## APPLICATIONS

- Engines and manifolds
- Radiators and reservoirs
- Castings
- Small appliances
- Lawn and garden products
- Plastic barbed tubes

## SPECIFICATIONS

Connection type	External tubes
Connection method	Sleeve actuated
Pressure ratings	F1-4: 300 psi (20.6 bar), F5: 250 psi (17.23 bar)
<b>MATERIALS</b>	
Seals	Neoprene

## EXTERNAL MANUAL TUBE CONNECTORS

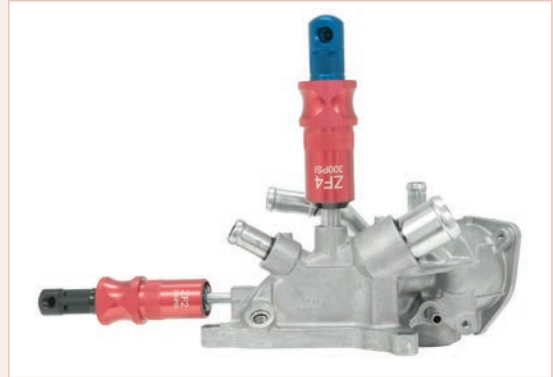
New

### SLEEVE ACTUATED RED / SILVER



6410

PART NUMBER	SEALING RANGE	TERMINATION	BODY SIZE	PRICE
FASZF1	0.254" - 0.344"	1/8" NPT	ZF1	£694.32



New

### SLEEVE ACTUATED RED / BLACK



6410

PART NUMBER	SEALING RANGE	TERMINATION	BODY SIZE	PRICE
FASZF2	0.344" - 0.434"	1/8" NPT	ZF2	£694.32

New

### SLEEVE ACTUATED RED / BLUE



6410

PART NUMBER	SEALING RANGE	TERMINATION	BODY SIZE	PRICE
FASZF4	0.520" - 0.610"	1/4" NPT	ZF4	£785.04

New

### SLEEVE ACTUATED RED / GOLD



6410

PART NUMBER	SEALING RANGE	TERMINATION	BODY SIZE	PRICE
FASZF3	0.434" - 0.520"	1/4" NPT	ZF3	£785.04

New

### SLEEVE ACTUATED RED / GREEN



6410

PART NUMBER	SEALING RANGE	TERMINATION	BODY SIZE	PRICE
FASZF5	0.61" - 0.70"	3/8" NPT	ZF5	£875.76

## REPLACEMENT SEAL SET

New

### SEAL SET 5 SEALS



6410

PART NUMBER	FOR USE WITH	PRICE
FASSZF1	FASZF1	£68.95
FASSZF2	FASZF2	£68.95
FASSZF3	FASZF3	£84.68
FASSZF4	FASZF4	£84.68
FASSZF5	FASZF5	£97.98

PUR seals available on request

## REPAIR KIT

New

### REPAIR KIT



6410

PART NUMBER	FOR USE WITH	PRICE
FASRZF1	FASZF1	£25.41
FASRZF2	FASZF2	£25.41
FASRZF3	FASZF3	£31.45
FASRZF4	FASZF4	£31.45
FASRZF5	FASZF5	£38.71

## DESCRIPTION

FasTest's EZ Series seal adjustable connectors provide fast, leak tight connections for pressure and vacuum testing, fluid filling and flushing applications from vacuum to 50 psi (3.44 bar). The industry best EZ Series seal connectors deliver fast, efficient seals by moving the bi-directional handle in either direction.

## FEATURES

- Simple adjustment – Twist to adjust collar is easily sized for various seal diameters
- Quick change seal sets to accommodate multiple size tubing and port applications
- Simple design and 5 TIME field service maintenance kits require no special tools for easy seal replacement
- High flow design can be quickly adapted for plug style applications

## APPLICATIONS

- Radiators, hoses, reservoirs, plastic moulded components
- Plumbing fixtures, fuel tanks, pumps, filters, castings, fabricated housings
- Hydronic heating, engines, axles, transmissions, small appliances
- Pumps, tubing and assemblies

## SPECIFICATIONS

Connection type	Internal tubes / bores
Connection method	Lever actuated
Pressure rating	50 psi (3.4 bar)
Test pressure	Vacuum to 50 psi / 3.44 bar (clean and dry surface pneumatic applications)

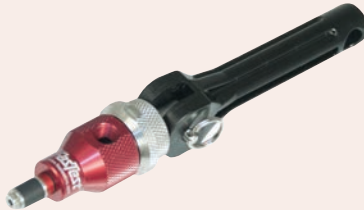
## MATERIALS

Housing materials	Aluminium, stainless steel and moulded nylon handle
Seals	Neoprene (main), Buna-N (internal)



## INTERNAL MANUAL TUBE CONNECTOR

New



**LEVER ACTUATED  
WITH NEOPRENE MAIN SEALS**

6410

PART NUMBER	SEALING RANGE	TERMINATION	BODY SIZE	PRICE
FASZN101	0.375" - 0.394"	1/8" NPT	1	£118.55
FASZN111	0.394" - 0.472"	1/8" NPT	1	£118.55
FASZN112	0.472" - 0.551"	1/8" NPT	1	£118.55
FASZN113	0.551" - 0.630"	1/8" NPT	1	£118.55
FASZN221	0.630" - 0.709"	1/4" NPT	2	£123.38
FASZN222	0.709" - 0.787"	1/4" NPT	2	£123.38
FASZN223	0.787" - 0.866"	1/4" NPT	2	£123.38
FASZN331	0.866" - 0.945"	1/4" NPT	3	£150.00
FASZN332	0.945" - 1.024"	1/4" NPT	3	£150.00
FASZN333	1.024" - 1.102"	1/4" NPT	3	£150.00
FASZN441	1.102" - 1.181"	3/8" NPT	4	£180.24
FASZN442	1.181" - 1.260"	3/8" NPT	4	£180.24
FASZN443	1.260" - 1.339"	3/8" NPT	4	£180.24

## MAINTENANCE KIT

New



**ZN SERIES MAINTENANCE KIT  
5 COMPLETE REFURBISHMENTS**

6410

PART NUMBER	FOR USE WITH	PRICE
FASZNB1-0360	FASZN101	£52.02
FASZNB111	FASZN111	£52.02
FASZNB112	FASZN112	£52.02
FASZNB113	FASZN113	£52.02
FASZNB221	FASZN221	£52.02
FASZNB222	FASZN222	£52.02
FASZNB223	FASZN223	£52.02
FASZNB331	FASZN331	£73.79
FASZNB332	FASZN332	£73.79
FASZNB333	FASZN333	£73.79
FASZNB441	FASZN441	£76.21
FASZNB442	FASZN442	£76.21
FASZNB443	FASZN443	£76.21