

Plastic Pressure Systems



Trade Price List

EFFAST Price List

Polypipe, with its large UK based manufacturing capabilities, has developed Effast's comprehensive product portfolio such that it now offers a proven and effective solution to virtually any requirement. No matter what the project, the Effast range can offer the perfect combination of pressure pipe fittings, ball, butterfly, diaphragm and actuated valves, compression joints, adaptors and other fittings. Normally available in both metric and imperial dimensions these products are suited to many different commercial applications in such areas as food and beverage processing, chemical manufacture, water treatment and agriculture.

Outstanding performance and reliability have come to represent the hallmarks by which Polypipe's Effast products are recognised and with these products also carrying BSI Kite Mark accreditation and conforming to various other European standards they can be specified with complete confidence.

Dedicated to supporting its customers at every stage the company also complements its products and systems with a full technical information and support service, while a nationwide distribution network means that products are readily available, even when needed next day.

For further information please see our contact details on the back cover of this brochure.



KM60041



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Effast product code guide

AFARCA032B

1 2 3 4 5 6

Material

- 1 A = ABS
B = Brush
C = Cleaner
E = Rubber
M = Metal
P = Polypropylene
R = PVC

Type of Fitting

- 2 B = Ball Valve
F = Fitting
P = Pipe/Fitting Part

Type of Fitting

- 3 A = Imperial
B = Universal Metric/Imperial
C = Plain/Threaded Fittings
C = Class C Pipe
D = EDPM Seals
D = Class D Pipe
E = Class E Pipe
F = Threaded
I = Metric
O = O Ring/Cements/Cleaners
R = Metal Ring Fitting
V = Viton
10= 10 Bar Pipe
16= 16 Bar Pipe

Unique Product Code

- 4 Example RCA = Reducing Bush

Size Guide

- 5 0160 = 16mm or 3/8"
0200 = 20mm or 1/2"
0250 = 25mm or 3/4"
0320 = 32mm or 1"
0400 = 40mm or 1 1/4"
0500 = 50mm or 1 1/2"
0630 = 63mm or 2"
0750 = 75mm or 2 1/2"
0900 = 90mm or 3"
1100 = 110mm or 4"
1250 = 125mm
1400 = 140mm or 5"
1600 = 160mm or 6"
2000 = 200mm
2250 = 225mm or 8"
2500 = 250mm
3150 = 315mm

Size Guide Letter

- 6 A = 16mm or 3/8"
B = 20mm or 1/2"
C = 25mm or 3/4"
D = 32mm or 1"
E = 40mm or 1 1/4"
F = 50mm or 1 1/2"
G = 63mm or 2"
H = 75mm or 2 1/2"
I = 90mm or 3"
L = 110mm or 4"
M = 125mm
N = 140mm or 5"
O = 160mm or 6"
P = 200mm
Q = 225mm or 8"
R = 315mm

Materials & Applications

	PVCu	Typical Applications
	<p>Most Widely Used Plastic Material Large Choice of Fittings Excellent Chemical Resistance Rigid Construction</p>	<p>Industrial Process Systems Water Treatment and Chemical Dosing Food & Beverage Swimming Pools and Spas Cold Water Supply</p>
	ABS	
	<p>Wide Temperature Range High Impact Strength Abrasion Resistance Non Toxic</p>	<p>Chilled Water Boosted Cold Water Plant Rooms Chemical & Pharmaceutical</p>
	Polypropylene	
	<p>High Impact Strength Good Thermal and Electrical Insulator Excellent Chemical Resistance High Temperatures (<110°C)</p>	<p>Chemical Process Systems Metal Finishing Chemical Dosing</p>
	PE100	
	<p>Large Size Range High Impact Strength Excellent Abrasion Resistance UV Resistant Flexible</p>	<p>Above and Below Ground Water Supply Power Generation Attenuation</p>

All Effast materials are suitable for a number of applications. The table below details common applications and the appropriate Effast materials for that situation

Applications Guide	ABS	PVCu	PP-H (pipe)	PE100
Acids and Alkalis	✓	✓	✓	✓
A/C and Refrigeration	✓		✓	✓
Biotechnology	✓	✓	✓	
Boosted Cold Water	✓	✓	✓	✓
Condensate	✓			
Chemical Dosing	✓	✓	✓	✓
Chemical Drainage			✓	✓
Chilled Water	✓		✓	✓
Compressed Air			✓	
De-Mineralised Water	✓	✓	✓	
Effluent Treatment	✓		✓	✓
Electro Plating	✓	✓	✓	
Film Processing	✓	✓	✓	
Food Processing & Beverages	✓			✓
Glycol Systems	✓			
Hot Corrosive Materials			✓	
Hot Water			✓	
Irrigation	✓	✓		✓
Marine / Brine	✓			✓
Pharmaceutical	✓	✓	✓	
Potable Water	✓	✓		✓
Pulp and Paper	✓		✓	
Semi Conductor	✓	✓	✓	
Slurries	✓			✓
Sprinklers			✓	
Swimming Pools	✓	✓		
Water & Sewage Treatments	✓	✓	✓	✓
Water Industry	✓	✓		✓

PVCu Pipe Systems

Unplasticised polyvinyl chloride (PVCu) is one of the most widely used thermoplastic materials for pipe installations.

Being odourless and tasteless it is suitable for conveying potable water and many food products. PVCu has excellent chemical resistance.

The good flow characteristics are the result of the smooth bore and has good resistance to abrasion. It is light in weight, easy to join together making PVCu a good alternative to the more traditional materials.

PVCu is resistant to most solutions of acids, alkalis, salts and solvents that can be mixed with water. Additional information in this respect can be obtained from our Technical Department.

Materials

Polypipe Effast PVCu is stabilised with compounds conforming to the EEC safety levels for vinyl chloride monomer (VCM) and the WRAS requirements for use with potable water.

Colour

PVCu products are recognised by their dark grey colour.

Chemical Resistance

The chemical resistance properties of PVCu are excellent: it is resistant to most solutions of acids, alkalis and salts and to solvents that can be mixed with water. PVCu is not resistant to aromatic and chlorinated hydrocarbons.

Standards

Individual products are in compliance with appropriate British Standards:

Fittings (inch size)	BS 4346 Part 1, BS EN 1452 Part 3
Pipe (inch size)	BS 3505/6, BS EN 1452 Part 2
Fittings (mm size)	DIN 8063, ISO 727, KIWA K504, UNI 7442/75
Pipe (mm size)	BS EN 1452 Part 2
Threaded fittings	BS 21, DIN 2999, ISO7
Solvent cement	BS 4346 Part 3



WRAS Approval

Water Regulations Advisory Scheme. Approved product for potable water



Kite Mark Licence Fittings No. KM 60041

Imperial and Metric Sizes

The following notes may be helpful to those unfamiliar with the different ways of describing metric and imperial sizes when specifying pipe or fittings.

When specifying Imperial pipe fittings and other components reference is made to the nominal size of the pipe bore in inches and fractions of an inch.

Metric Systems are specified by reference to the outside diameter of the pipe expressed in millimetres.

As a general guide the following table gives a comparison between metric and imperial sizes up to 8 inches. It is important to understand that metric sizes are not simply inch sizes which have been converted into millimetres and called metric. The actual equivalents are slightly different (except for Imperial size 2 1/2 inches and metric size 75mm and 5 inches and 140mm which happen to coincide exactly) and are not interchangeable.

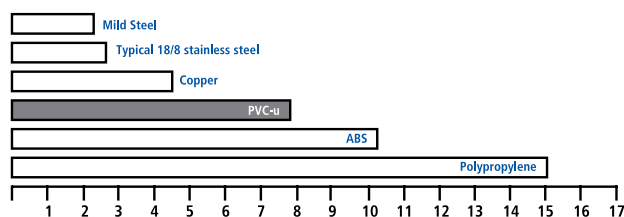
Imperial Sizes (inches)		Metric Sizes (mm)	
Nominal bore	Pipe outside dia.	Pipe outside dia.	Nominal bore
3/8"	17.1	16	10
1/2"	21.4	20	15
3/4"	26.7	25	20
1"	33.6	32	25
1 1/4"	42.2	40	32
1 1/2"	48.3	50	40
2"	60.3	63	50
2 1/2"	75.2	75	65
3"	88.9	90	80
4"	114.3	110	100
5"	140.2	140	125
6"	168.3	160	150
8"	219.1	225	200

Thermal Expansion

The thermal coefficient of linear expansion for PVCu is $7.8 \times 10^{-5} \text{m/m} \cdot ^\circ\text{C}$

It is necessary in certain situations to make special provision for this expansion and contraction.

Thermal expansion of PVCu is compared with other materials, in the following chart.



General Information

0°C – 60°C

Imperial Solvent Weld

Threaded

Metric Solvent Weld

Threaded Adaptors

Temperature range

3/8" – 8"

3/8" – 4"

16–315mm

16–110mm

PVCu

General properties of PVCu

PVCu is thermally stable in the temperature range 0°C to 60°C, however at low temperatures the impact strength of PVCu decreases. It is therefore not recommended for use at very low temperatures unless there is no likelihood of the piping materials being disturbed or subjected to impact damage. PVCu is free from toxic metals thus ensuring that it is physiologically harmless for drinking water and foodstuffs applications.

Some important advantages of PVCu are:

- Extensive choice of component parts
- Wide range of applications
- Good chemical and corrosion resistance
- Safe for potable water applications
- Low friction loss
- Self extinguishing
- High mechanical strength
- Simplified installation techniques using solvent cement welding
- Approved for potable water applications

Properties of PVCu (Average values)	
Property	Value
Density	1.38 g/cm ³
Tensile Strength	55 N/mm ²
Elongation at Break	>30 %
Impact Strength	No crack kJ/m ² (23°C)
Modulus of Elasticity (Young's Modulus)	3000 N/mm ²
Coefficient of Linear Expansion	0.08 mm/m °C
Maximum Operating Temperature	60°C
Minimum Operating Temperature	0°C
Vicat Softening Point	>76°C (VST/B 50)
Water Absorption	<4 mg/cm ³
Surface Resistance Approx.	10 ¹³ Ω
Thermal Conductivity	0.140 W/m · K
Flammability	V-0 UL94
Colour	7011 Dark Grey RAL

Sample Engineering specification

All PVC pipework and fittings shall be manufactured by Effast and conform to EN 1452-1 tp 5:1999, BS 3505/6 and BS 4346 Part 1.

Extruded pipework and injection moulded fittings have WRAS accreditation for potable water supply and are available in both metric and imperial sizes

Temperature & Pressure Relationship

Temp°C	Class C		Class D		Class E	
	BAR	PSI	BAR	PSI	BAR	PSI
0	9.0	130	12.0	173	15.0	217
20	9.0	130	12.0	173	15.0	217
30	8.1	117	10.8	155	13.5	195
35	7.2	104	9.6	138	12.0	173
40	6.3	91	8.4	121	10.5	152
45	5.4	78	7.2	104	9.0	130
50	4.0	58	5.4	78	6.7	97
55	2.7	39	3.6	52	4.5	65
60	1.3	19	1.8	26	2.2	32

Pressure Ratings Fittings & Valves Imperial

Unless otherwise indicated the pressure ratings are as follows

Product	Size	Pressure Rating
Fitting Solvent Cement	½" – 6"	15 bar (217psi)
	8"	9 bar (130psi)
Fittings Threaded	¾" – 4"	10 bar (145psi)
Valves	¾" – 2"	16 bar (232psi)
Valves	2½" – 4"	10 bar (145psi)

All pressure ratings are at 20°C

Pressure Ratings Fittings & Valves Metric

Unless otherwise indicated the pressure ratings are as follows

Product	Size mm	Pressure Rating
Fitting Solvent Cement	16 bar (232psi)	15 bar (217psi)
Fittings Threaded	200–225	10 bar (145psi)
Valves	16 bar (232psi)	16 bar (232psi)
Valves	10 bar (145psi)	10 bar (145psi)

All pressure ratings are at 20°C

All threaded fittings are parallel threaded unless stated.

ie. BSP Female and BSP Male are parallel. BSPT = BSP taper thread



Useful Information

The following information may be helpful in understanding the specification of metric and imperial sizes and pressure ratings when selecting pipe.

When specifying imperial pipe, fittings and other components, reference is made to the nominal size of the pipe bore in inches and fractions of an inch. With metric systems, reference is made to the outside diameter and is expressed in millimetres. It is important to note that with the exception of 2½"/75mm and 5"/140mm the systems are not interchangeable.

Temperature and pressure relationship for PVCu pipes					
	Class C	Class D	Class E	PN10	PN16
Temperature (°C)	bar (psi)	bar (psi)	bar (psi)	bar	bar
0	9.0 (130)	12.0 (174)	15.0 (217)	10.0	16.0
20	9.0 (130)	12.0 (174)	15.0 (217)	10.0	16.0
30	8.1 (117)	10.8 (156)	13.5 (195)	8.0	12.8
40	6.3 (91)	8.4 (121)	10.5 (152)	6.4	10.2
50	4.0 (58)	5.4 (78)	6.7 (97)	4.4	7.0
60	1.3 (18)	1.8 (26)	2.2 (31)	2.6	4.1

Imperial and metric size information			
Imperial sizes		Metric sizes	
Nominal bore (inches)	Pipe outside diameter (mm)	Pipe outside diameter (mm)	Nominal bore (mm)
⅜"	17.1	16	10
½"	21.4	20	15
¾"	26.7	25	20
1"	33.6	32	25
1¼"	42.2	40	32
1½"	48.3	50	40
2"	60.3	63	50
2½"	75.2	75	65
3"	88.9	90	80
4"	114.3	110	100
5"	140.2	140	125
6"	168.3	160	150
8"	219.1	225	200


Average Wall Thickness (mm) for Metric Pipe		
Diameter (mm)	Average Wall Thickness (mm)	
Outside diameter	10 bar	16 bar
16	–	1.2
20	–	1.5
25	1.5	1.9
32	1.6	2.4
40	1.9	3.0
50	2.4	3.7
63	3.0	4.7
75	3.6	5.6
90	4.3	6.7
110	4.2	6.6
125	4.8	7.4
140	5.4	8.3
160	6.2	9.5
180	6.9	10.7
200	7.7	11.9
225	8.6	13.4
250	9.6	14.8
280	10.7	16.6
315	12.1	18.7

Average Wall Thickness for Imperial Pipe										
Diameter	Wall thickness (mm)									
Nominal size (inch)	Class C 9.0 bar			Class D 12.0 bar			Class E 15.0 bar			Class 7 12.0 bar
	Average	Min	Max	Average	Min	Max	Average	Min	Max	Average
⅜"	–	–	–	–	–	–	1.9	1.5	1.9	–
½"	–	–	–	–	–	–	2.1	1.7	2.1	4.0
¾"	–	–	–	–	–	–	2.5	1.9	2.5	4.2
1"	–	–	–	–	–	–	2.7	2.2	2.7	4.8
1¼"	–	–	–	2.7	2.2	2.7	3.2	2.7	3.2	5.2
1½"	–	–	–	3.0	2.5	3.0	3.7	3.1	3.7	5.5
2"	3.0	2.5	3.0	3.7	3.1	3.7	4.5	3.9	4.5	5.9
2½*	3.6	–	–	–	–	–	5.6	–	–	–
3"	4.1	3.5	4.1	5.3	4.6	5.3	6.5	5.7	6.6	–
4"	5.2	4.5	5.2	6.8	6.0	6.9	8.3	7.3	8.4	–
5*	6.3	5.5	6.4	8.3	7.3	8.4	10.1	9.0	10.4	–
6"	7.5	6.6	7.6	9.9	8.8	10.2	12.1	10.8	12.5	–
8"	8.8	7.8	9.0	11.6	10.3	11.9	14.1	12.6	14.5	–
10"	10.9	9.7	11.2	14.3	12.8	14.8	17.5	15.7	18.1	–
12"	12.9	11.5	13.3	17.0	15.2	17.5	20.8	18.7	21.6	–


PVCu - Imperial

PVCu Pressure Pipes Imperial


Pressure Pipe Class C - 3 Metre

Code: PSPVP	Nominal Size	Code	Price per metre	Price each
	2"	RPCCLC0630PE3	£7.25	£21.75
	2½"	RPCCLC0750PE3	£10.69	£32.06
	3"	RPCCLC0900PE3	£14.09	£42.27
	4"	RPCCLC1100PE3	£22.17	£66.50
	5"	RPCCLC1400PE3	£32.95	£98.86
	6"	RPCCLC1600PE3	£50.61	£151.84
	8"	RPCCLC2250PE3	£76.23	£228.68

Pressure Pipe Class D - 3 Metre

Code: PSPVP	Nominal Size	Code	Price per metre	Price each
	1¼"	RPDCLD0400PE3	£4.44	£13.32
	1½"	RPDCLD0500PE3	£5.70	£17.09
	2"	RPDCLD0630PE3	£8.31	£24.92
	3"	RPDCLD0900PE3	£17.96	£53.87
	4"	RPDCLD1100PE3	£28.87	£86.61
	6"	RPDCLD1600PE3	£61.96	£185.87


Pressure Pipe Class E - 3 Metre

Code: PSPVP	Nominal Size	Code	Price per metre	Price each
	½"	RPECLE0200PE3	£1.86	£5.59
	¾"	RPECLE0250PE3	£2.65	£7.95
	1"	RPECLE0320PE3	£3.41	£10.23
	1¼"	RPECLE0400PE3	£5.33	£16.00
	1½"	RPECLE0500PE3	£6.94	£20.82
	2"	RPECLE0630PE3	£9.98	£29.94
	2½"	RPECLE0750PE3	£16.08	£48.24
	3"	RPECLE0900PE3	£21.81	£65.44
	4"	RPECLE1100PE3	£34.43	£103.28
	6"	RPECLE1600PE3	£74.31	£222.92


Prices shown are for one item excluding VAT

PVCu Pressure Pipes Imperial

Pressure Pipe Class C - 6 Metre

Code: PSPVP	Nominal Size	Code	Price per metre	Price each
	2"	RPCCLC0630PE	£7.25	£43.52
	2½"	RPCCLC0750PE	£10.68	£64.10
	3"	RPCCLC0900PE	£14.09	£84.56
	4"	RPCCLC1100PE	£22.17	£132.99
	5"	RPCCLC1400PE	£32.95	£197.71
	6"	RPCCLC1600PE	£50.62	£303.70
	8"	RPCCLC2250PE	£76.23	£457.36

Pressure Pipe Class D - 6 Metre

Code: PSPVP	Nominal Size	Code	Price per metre	Price each
	1¼"	RPDCLD0400PE	£4.44	£26.64
	1½"	RPDCLD0500PE	£5.70	£34.18
	2"	RPDCLD0630PE	£8.31	£49.83
	3"	RPDCLD0900PE	£17.96	£107.74
	4"	RPDCLD1100PE	£28.87	£173.22
	6"	RPDCLD1600PE	£61.96	£371.74


Pressure Pipe Class E - 6 Metre

Code: PSPVP	Nominal Size	Code	Price per metre	Price each
	½"	RPECLE0200PE	£1.87	£11.19
	¾"	RPECLE0250PE	£2.65	£15.89
	1"	RPECLE0320PE	£3.41	£20.46
	1¼"	RPECLE0400PE	£5.33	£31.98
	1½"	RPECLE0500PE	£6.94	£41.64
	2"	RPECLE0630PE	£9.98	£59.89
	2½"	RPECLE0750PE	£16.08	£96.48
	3"	RPECLE0900PE	£21.81	£130.86
	4"	RPECLE1100PE	£34.43	£206.55
	6"	RPECLE1600PE	£74.30	£445.81


Prices shown are for one item excluding VAT

PVCu Imperial Solvent Cement Fittings


Fittings up to 6" 15 bar (20°C), above 6" 9 bar (20°C). * Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section

Socket Plain			
Code: PSPVF	Nominal Size	Code	Price each
	3/8"	RFAMAA0160	£1.67
	1/2"	RFAMAA0200	£1.89
	3/4"	RFAMAA0250	£2.10
	1"	RFAMAA0320	£2.44
	1 1/4"	RFAMAA0400	£4.34
	1 1/2"	RFAMAA0500	£5.10
	2"	RFAMAA0630	£7.22
	2 1/2"	RFAMAA0750	£15.29
	3"	RFAMAA0900	£27.57
	4"	RFAMAA1100	£40.11
	5"	RFAMAA1400	£79.60
	6"	RFAMAA1600	£101.45
	8"*	RFAMAA2250	£306.13

Union Plain. Unions up to 2" 15 bar (20°C), above 2" 10 bar (20°C)

Code: PSPVF	Nominal Size	Code	Price each
	3/8"	RFABOA0160	£8.11
	1/2"	RFABOA0200	£9.71
	3/4"	RFABOA0250	£11.08
	1"	RFABOA0320	£14.33
	1 1/4"	RFABOA0400	£17.91
	1 1/2"	RFABOA0500	£24.45
	2"	RFABOA0630	£38.42
	2 1/2"*	RFABOA0750	£107.18
	3"*	RFABOA0900	£133.73
	4"*	RFABOA1100	£159.38


Elbow 90° Plain

Code: PSPVF	Nominal Size	Code	Price each
	3/8"	RFAGOA0160	£2.18
	1/2"	RFAGOA0200	£2.55
	3/4"	RFAGOA0250	£2.93
	1"	RFAGOA0320	£4.13
	1 1/4"	RFAGOA0400	£7.22
	1 1/2"	RFAGOA0500	£9.30
	2"	RFAGOA0630	£13.85
	2 1/2"	RFAGOA0750	£25.99
	3"	RFAGOA0900	£39.91
	4"	RFAGOA1100	£59.97
	5"	RFAGOA1400	£137.33
	6"	RFAGOA1600	£237.02
	8"*	RFAGOA2250	£561.86


Prices shown are for one item excluding VAT

PVCu Imperial Solvent Cement Fittings


Fittings up to 6" 15 bar (20°C), above 6" 9 bar (20°C). * Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section

Elbow 45° Plain			
Code: PSPVF	Nominal Size	Code	Price each
	3/8"	RFAGYA0160	£4.13
	1/2"	RFAGYA0200	£4.79
	3/4"	RFAGYA0250	£4.99
	1"	RFAGYA0320	£6.12
	1 1/4"	RFAGYA0400	£8.70
	1 1/2"	RFAGYA0500	£10.99
	2"	RFAGYA0630	£15.43
	2 1/2"	RFAGYA0750	£24.23
	3"	RFAGYA0900	£36.39
	4"	RFAGYA1100	£74.69
	5"	RFAGYA1400	£127.34
	6"	RFAGYA1600	£155.33
	8"*	RFAGYA2250	£514.89


Bend 90° Short Radius Plain

Code: PSPVF	Nominal Size	Code	Price each
	1/2"	RFACUA0200	£9.39
	3/4"	RFACUA0250	£16.91
	1"	RFACUA0320	£18.68
	1 1/4"	RFACUA0400	£32.15
	1 1/2"	RFACUA0500	£40.69
	2"	RFACUA0630	£52.74
	2 1/2"	RFACUA0750	£76.13
	3"	RFACUA0900	£144.69
	4"	RFACUA1100	£232.00

Tee 90° Plain

Code: PSPVF	Nominal Size	Code	Price each
	3/8"	RFATIA0160	£2.44
	1/2"	RFATIA0200	£2.88
	3/4"	RFATIA0250	£3.65
	1"	RFATIA0320	£5.40
	1 1/4"	RFATIA0400	£7.79
	1 1/2"	RFATIA0500	£11.16
	2"	RFATIA0630	£17.77
	2 1/2"	RFATIA0750	£30.50
	3"	RFATIA0900	£51.28
	4"	RFATIA1100	£75.17
	5"	RFATIA1400	£201.11
	6"	RFATIA1600	£261.39
	8"*	RFATIA2250	£622.84

Tee 45° Plain





Code: PSPVF	Nominal Size	Code	Price each
	1/2"	RFATYA0200	£6.92
	1"	RFATYA0320	£12.75
	1 1/2"	RFATYA0500	£19.69
	2"	RFATYA0630	£30.47

Prices shown are for one item excluding VAT

PVCu - Imperial

PVCu Imperial Solvent Cement Fittings


Fittings up to 6" 15 bar (20°C), above 6" 9 bar (20°C). * Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section


Cross 90° Plain			
Code: PSPVF	Nominal Size	Code	Price each
	1"	RFACXA0320	£16.66
	1½"	RFACXA0500	£30.14
	2"	RFACXA0630	£41.14
Reducing Socket Plain			
Code: PSPVF	Nominal Size	Code	Price each
	1¼" x 1"	RFAMRA040D	£5.24
	1½" x 1¼"	RFAMRA050E	£6.74
	2" x 1½"	RFAMRA063F	£8.78
	4" x 3"	RFAMRA110I	£40.13
Reducing Bush Plain			
Code: PSPVF	Nominal Size	Code	Price each
	½" x ¾"	RFARCA020A	£1.48
	¾" x ½"	RFARCA025B	£1.91
	1" x ½"	RFARCA032B	£2.45
	1" x ¾"	RFARCA032C	£2.45
	1¼" x 1"	RFARCA040D	£3.28
	1½" x ¾"	RFARCA050C	£3.96
	1½" x 1"	RFARCA050D	£3.96
	1½" x 1¼"	RFARCA050E	£3.96
	2" x 1"	RFARCA063D	£5.44
	2" x 1¼"	RFARCA063E	£5.44
	2" x 1½"	RFARCA063F	£5.44
	2½" x 1½"	RFARCA075F	£9.71
	2½" x 2"	RFARCA075G	£9.71
	3" x 1½"	RFARCA090F	£15.56
	3" x 2"	RFARCA090G	£15.56
	3" x 2½"	RFARCA090H	£15.56
	4" x 2"	RFARCA110G	£21.38
4" x 3"	RFARCA110I	£21.38	
5" x 4"	RFARCA140L	£61.61	
6" x 4"	RFARCA160L	£66.23	
8" x 6"*	RFARCA225M	£203.88	
Stub Flange (serrated face) Plain			
Code: PSPVF	Nominal Size	Code	Price each
	½"	RFAQRA0200	£2.29
	¾"	RFAQRA0250	£2.40
	1"	RFAQRA0320	£2.88
	1¼"	RFAQRA0400	£5.21
	1½"	RFAQRA0500	£7.86
	2"	RFAQRA0630	£11.16
	2½"	RFAQRA0750	£18.22
	3"	RFAQRA0900	£22.46
	4"	RFAQRA1100	£29.62
	5"	RFAQRA1400	£61.40
6"	RFAQRA1600	£75.82	
8"*	RFAQRA2250	£231.57	

Prices shown are for one item excluding VAT

PVCu Full Face Flanges (drilled)

NP10/16 blanking flanges available, For gaskets see Accessories section


Drilled to BS 10 Table D&E Plain			
Code: PSPVF	Nominal Size	Code	Price each
	½"	RFAFFA0200	£9.10
	¾"	RFAFFA0250	£9.26
	1"	RFAFFA0320	£11.88
	1½"	RFAFFA0500	£16.50
	2"	RFAFFA0630	£21.68
	3"	RFAFFA0900	£39.08
	4"	RFAFFA110E	£54.22


Drilled to BS 4504 NP10/16 Plain			
Code: PSPVF	Nominal Size	Code	Price each
	½"	RFAFNA0200	£10.89
	¾"	RFAFNA0250	£11.08
	1"	RFAFNA0320	£11.88
	1¼"	RFAFNA0400	£14.07
	1½"	RFAFNA0500	£16.50
	2"	RFAFNA0630	£21.68
	2½"	RFAFNA0750	£34.71
	3"	RFAFNA0900	£39.08
	4"	RFAFNA1100	£54.18

Prices shown are for one item excluding VAT

PVCu Blanking Flanges (drilled)

Maximum working pressure: ½" – 2" 15 bar (217 psi) at 20°C. 3" – 4" 10 bar (145 psi) at 20°C. 6" 6 bar (87 psi) at 20°C


Blanking Flange Drilled to BS 10 table D/E			
Code: PSPVF	Nominal Size	Code	Price each
	½"	RFAFEA0200	£60.82
	¾"	RFAFEA0250	£69.20
	1"	RFAFEA0320	£75.22
	1¼"	RFAFEA0400	£79.20
	1½"	RFAFEA0500	£85.62
	2"	RFAFEA0630	£95.87
	3"	RFAFEA0900	£169.41
	4" D	RFAFEA110D	£217.95
	4" E	RFAFEA110E	£217.95
	6"	RFAFEA1600	£382.62

Blanking Flange Drilled to BS4504 NP10/16			
Code: PSPVF	Nominal Size	Code	Price each
	½"	RFIFCI0200	£30.41
	¾"	RFIFCI0250	£34.60
	1"	RFIFCI0320	£44.62
	1¼"	RFIFCI0400	£46.98
	1½"	RFIFCI0500	£50.79
	2"	RFIFCI0630	£56.85
	2½"	RFIFCI0750	£85.16
	3"	RFIFCI0900	£100.49
	4"	RFIFCI1100	£129.26

Prices shown are for one item excluding VAT

PVCu Blanking Flanges (drilled)

Maximum working pressure: ½" – 2" 15 bar (217 psi) at 20°C. 3" – 4" 10 bar (145 psi) at 20°C. 6" 6 bar (87 psi) at 20°C

Blanking Flange Drilled to BS4504 NP10/16			
Code: PSPVF	Nominal Size	Code	Price each
	—	RFIFCI1250	£136.86
	5"	RFIFCI1400	£201.97
	6"	RFIFCI1600	£226.92
	—	RFIFCI2000	£253.76
	8"	RFIFCI2250	£420.76


Prices shown are for one item excluding VAT

PVCu Imperial Solvent Cement Fittings

Fittings up to 6" 15 bar (20°C), above 6" 9 bar (20°C). * Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section

Cap Plain			
Code: PSPVF	Nominal Size	Code	Price each
	¾"	RFACAA0160	£1.59
	½"	RFACAA0200	£1.79
	¾"	RFACAA0250	£2.11
	1"	RFACAA0320	£2.41
	1¼"	RFACAA0400	£3.69
	1½"	RFACAA0500	£6.15
	2"	RFACAA0630	£7.55
	2½"	RFACAA0750	£18.32
	3"	RFACAA0900	£23.15
	4"	RFACAA1100	£35.61
	5"	RFACAA1400	£61.49
	6"	RFACAA1600	£98.65
	8"*	RFACAA2250	£255.53


Tank Connector Plain/BSP Male Threaded EPDM Gasket. (½" to 4" 9 bar at 20°C)

Code: PSPVF	Nominal Size	Code	Price each
	½"	RFCTCC0200	£12.29
	¾"	RFCTCC0250	£14.05
	1"	RFCTCC0320	£29.85
	1¼"	RFCTCC0400	£55.72
	1½"	RFCTCC0500	£64.61
	2"	RFCTCC0630	£70.58
	2½"	RFCTCC0750	£104.53
	3"*	RFCTCC0900	£119.99
	4"*	RFCTCC1100	£128.77


Prices shown are for one item excluding VAT

PVCu Imperial Solvent Cement Fittings


Fittings up to 6" 15 bar (20°C), above 6" 9 bar (20°C). * Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section

Socket Plain/BSP Female Threaded			
Code: PSPVF	Nominal Size	Code	Price each
	½"	RFCMAC0200	£5.21
	¾"	RFCMAC0250	£5.81
	1"	RFCMAC0320	£7.22
	1¼"	RFCMAC0400	£11.16
	1½"	RFCMAC0500	£12.95
	2"	RFCMAC0630	£16.88
	2½"	RFCMAC0750	£42.21
	3"	RFCMAC0900	£47.53
	4"	RFCMAC1100	£54.61


Socket Plain/BSP Female Threaded with Stainless Steel Reinforcing Ring

Code: PSPVF	Nominal Size	Code	Price each
	½"	RFRMAR0200	£8.02
	¾"	RFRMAR0250	£8.74
	1"	RFRMAR0320	£10.22
	1¼"	RFRMAR0400	£14.83
	1½"	RFRMAR0500	£16.99
	2"	RFRMAR0630	£21.38

Spigot Plain/BSP Female Threaded

Code: PSPVF	Nominal Size	Code	Price each
	½"	RFCAFC0200	£4.29
	¾"	RFCAFC0250	£4.96
	1"	RFCAFC0320	£6.06
	1¼"	RFCAFC0400	£7.91
	1½"	RFCAFC0500	£10.22
	2"	RFCAFC0630	£14.65
	2½"	RFCAFC0750	£26.52

Spigot Plain/BSP Female Threaded with Stainless Steel Reinforcing Ring

Code: PSPVF	Nominal Size	Code	Price each
	½"	RFRAFR0200	£6.15
	¾"	RFRAFR0250	£7.10
	1"	RFRAFR0320	£9.00
	1¼"	RFRAFR0400	£11.49
	1½"	RFRAFR0500	£14.16
	2"	RFRAFR0630	£18.98

Prices shown are for one item excluding VAT

PVCu - Imperial

PVCu Imperial Solvent Cement Fittings

Fittings up to 6" 15 bar (20°C), above 6" 9 bar (20°C). * Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section

Barrel Nipple Plain/BSP Male Taper Threaded . (1/2" to 4" 9 bar at 20°C)

Code: PSPVF



Nominal Size	Code	Price each
3/8"	RFCBNC0160	£3.59
1/2"	RFCBNC0200	£3.88
3/4"	RFCBNC0250	£4.65
1"	RFCBNC0320	£6.15
1 1/4"	RFCBNC0400	£8.41
1 1/2"	RFCBNC0500	£8.78
2"	RFCBNC0630	£11.77
2 1/2"	RFCBNC0750	£27.52
3"*	RFCBNC0900	£30.78
4"*	RFCBNC1100	£46.14

Socket Plain/BSP Male Threaded

Code: PSPVF



Nominal Size	Code	Price each
1/2"	RFCAMC0200	£3.21
3/4"	RFCAMC0250	£3.69
1"	RFCAMC0320	£5.74
1 1/4"	RFCAMC0400	£7.85
1 1/2"	RFCAMC0500	£10.12
2"	RFCAMC0630	£13.67
2 1/2"	RFCAMC0750	£34.10
3"	RFCAMC0900	£40.36
4"	RFCAMC1100	£54.39

Union Plain/BSP Female Threaded. Unions up to 2" 15 bar (20°C).

Code: PSPVF



Nominal Size	Code	Price each
1/2"	RFCBOC0200	£13.98
3/4"	RFCBOC0250	£15.44
1"	RFCBOC0320	£19.21
1 1/4"	RFCBOC0400	£30.78
1 1/2"	RFCBOC0500	£31.13
2"	RFCBOC0630	£42.82
2 1/2"*	RFCBOC0750	£76.83
3"*	RFCBOC0900	£125.18
4"*	RFCBOC1100	£169.85

* Maximum working pressure: 10 bar (145 psi) at 20°C Supplied with EPDM O ring—for FPM O ring see Accessories section

Prices shown are for one item excluding VAT

PVCu Imperial Solvent Cement Fittings

Fittings up to 6" 15 bar (20°C), above 6" 9 bar (20°C). * Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section

Composite Union Plain/BSP Female Brass Threaded with Plastic Nut

Code: PSPVF



Nominal Size	Code	Price each
1/2"	RFCPFC0200	£35.48
3/4"	RFCPFC0250	£47.68
1"	RFCPFC0320	£61.44
1 1/4"	RFCPFC0400	£96.77
1 1/2"	RFCPFC0500	£114.64
2"	RFCPFC0630	£179.82

Composite Union Plain/BSP Female Brass Threaded

Code: PSPVF



Nominal Size	Code	Price each
1/2"	RFCBFC0200	£36.21
3/4"	RFCBFC0250	£48.66
1"	RFCBFC0320	£62.69
1 1/4"	RFCBFC0400	£98.75
1 1/2"	RFCBFC0500	£116.98
2"	RFCBFC0630	£183.49
2 1/2"	RFCBFC0750	£361.31
3"	RFCBFC0900	£400.92

Composite Union Plain/BSP Male Brass Threaded with Plastic Nut

Code: PSPVF



Nominal Size	Code	Price each
1/2"	RFCPMC0200	£38.44
3/4"	RFCPMC0250	£49.20
1"	RFCPMC0320	£64.83
1 1/4"	RFCPMC0400	£101.18
1 1/2"	RFCPMC0500	£122.85
2"	RFCPMC0630	£188.32

Composite Union Plain/BSP Male Taper Brass Threaded

Code: PSPVF





Nominal Size	Code	Price each
1/2"	RFCBMC0200	£39.23
3/4"	RFCBMC0250	£50.21
1"	RFCBMC0320	£65.77
1 1/4"	RFCBMC0400	£103.24
1 1/2"	RFCBMC0500	£125.36
2"	RFCBMC0630	£192.16
2 1/2"	RFCBMC0750	£367.72
3"	RFCBMC0900	£479.06


Prices shown are for one item excluding VAT


PVCu Imperial Solvent Cement Fittings


Fittings up to 6" 15 bar (20°C), above 6" 9 bar (20°C). * Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section

Elbow 90° Plain/BSP Female Threaded			
Code: PSPVF	Nominal Size	Code	Price each
	½"	RFCGOC0200	£6.12
	¾"	RFCGOC0250	£7.04
	1"	RFCGOC0320	£8.70
	1¼"	RFCGOC0400	£18.14
	1½"	RFCGOC0500	£20.12
	2"	RFCGOC0630	£28.34
	2½"	RFCGOC0750	£47.66
	3"	RFCGOC0900	£64.02

Elbow 90° Plain/BSP Female Threaded with Stainless Steel Reinforcing Ring			
Code: PSPVF	Nominal Size	Code	Price each
	½"	RFRGOR0200	£8.89
	¾"	RFRGOR0250	£10.01
	1"	RFRGOR0320	£11.77
	1¼"	RFRGOR0400	£21.88
	1½"	RFRGOR0500	£24.20
	2"	RFRGOR0630	£32.97

Tee 90° Plain/BSP Female Threaded			
Code: PSPVF	Nominal Size	Code	Price each
	½"	RFCTIC0200	£7.86
	¾"	RFCTIC0250	£8.65
	1"	RFCTIC0320	£9.64
	1¼"	RFCTIC0400	£18.14
	1½"	RFCTIC0500	£19.10
	2"	RFCTIC0630	£29.78
	2½"	RFCTIC0750	£47.37
	3"	RFCTIC0900	£55.68


Tee 90° Plain/BSP Female Threaded Branch with Stainless Steel Reinforcing Ring			
Code: PSPVF	Nominal Size	Code	Price each
	½"	RFRTIRO200	£10.67
	¾"	RFRTIRO250	£11.59
	1"	RFRTIRO320	£12.67
	1¼"	RFRTIRO400	£21.88
	1½"	RFRTIRO500	£25.21
	2"	RFRTIRO630	£34.42

Reducing Bush Plain/BSP Female Threaded			
Code: PSPVF	Nominal Size	Code	Price each
	½" x ¾"	RFCRCC020A	£3.59
	¾" x 1½"	RFCRCC025B	£4.29
	1" x ¾"	RFCRCC032C	£5.87


Prices shown are for one item excluding VAT

PVCu Imperial Solvent Cement Fittings


Fittings up to 6" 15 bar (20°C), above 6" 9 bar (20°C). * Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section

Adaptor Socket Plain			
Code: PSPVF	Nominal Size	Code	Price each
	½" x 20	RFBMAB0200	£2.46
	¾" x 25	RFBMAB0250	£2.60
	1" x 32	RFBMAB0320	£3.22
	1¼" x 40	RFBMAB0400	£4.89
	1½" x 50	RFBMAB0500	£6.98
	2" x 63	RFBMAB0630	£15.89
	3" x 90	RFBMAB0900	£28.51
	4" x 110	RFBMAB1100	£46.42
	6" x 160	RFBMAB1600	£114.85


Union Plain Unions up to 63mm 15 bar (20°C), above 63mm 10 bar (20°C)

Code: PSPVF	Nominal Size	Code	Price each
	½" x 20	RFBBOB0200	£14.32
	¾" x 25	RFBBOB0250	£16.08
	1" x 32	RFBBOB0320	£24.83
	1¼" x 40	RFBBOB0400	£31.18
	1½" x 50	RFBBOB0500	£39.87
	2" x 63	RFBBOB0630	£46.80
	3" x 90*	RFBBOB0900	£185.31
	4" x 110*	RFBBOB1100	£201.54

Industrial Double Union Ball Valve Plain Sockets EPDM Seals

Code: PSPVV	Nominal Size	Code	Price each
	¾"	RBA22A0160	£44.96
	½"	RBA22A0200	£45.95
	¾"	RBA22A0250	£56.24
	1"	RBA22A0320	£66.76
	1¼"	RBA22A0400	£85.66
	1½"	RBA22A0500	£109.62
	2"	RBA22A0630	£153.70
	2½"	RBA22A0750	£336.86
	3"	RBA22A0900	£432.12
	4"	RBA22A1100	£602.20

Industrial Double Union Ball Valve Plain Sockets FPM Seals

Code: PSPVV	Nominal Size	Code	Price each
	¾"	RBA23A0160	£59.02
	½"	RBA23A0200	£59.88
	¾"	RBA23A0250	£71.74
	1"	RBA23A0320	£87.09
	1¼"	RBA23A0400	£92.06
	1½"	RBA23A0500	£142.94
	2"	RBA23A0630	£200.26
	2½"	RBA23A0750	£438.61
	3"	RBA23A0900	£551.44
	4"	RBA23A1100	£748.49


Prices shown are for one item excluding VAT

PVCu - Imperial


PVCu Imperial Solvent Cement Fittings

Fittings up to 6" 15 bar (20°C), above 6" 9 bar (20°C). * Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section


Water Supply Double Union Ball Valve Plain Sockets EPDM Seals

Code: PSPVV	Nominal Size	Code	Price each
	3/8"	RBA21A0160	£16.19
	1/2"	RBA21A0200	£17.55
	3/4"	RBA21A0250	£20.64
	1"	RBA21A0320	£24.80
	1 1/4"	RBA21A0400	£31.78


Water Supply Double Union Ball Valve Plain Sockets EPDM Seals

Code: PSPVV	Nominal Size	Code	Price each
	1 1/2"	RBA21A0500	£36.67
	2"	RBA21A0630	£67.20
	2 1/2"	RBA21A0750	£212.49
	3"	RBA21A0900	£278.15
	4"	RBA21A1100	£365.68

Water Supply Single Union Ball Valve Plain Sockets EPDM Seals

Code: PSPVV	Nominal Size	Code	Price each
	3/8"	RBA11A0160	£9.61
	1/2"	RBA11A0200	£12.82
	3/4"	RBA11A0250	£14.68
	1"	RBA11A0320	£17.29
	1 1/4"	RBA11A0400	£22.78
	1 1/2"	RBA11A0500	£33.88
	2"	RBA11A0630	£59.02
	2 1/2"	RBA11A0750	£127.15
	3"	RBA11A0900	£147.15
	4"	RBA11A1100	£260.02

Check Valve Plain Sockets with Stainless Steel Spring EPDM Seals


Code: PSPVV	Nominal Size	Code	Price each
	3/8"	RBA30A0160	£35.33
	1/2"	RBA30A0200	£43.13
	3/4"	RBA30A0250	£44.20
	1"	RBA30A0320	£45.61
	1 1/4"	RBA30A0400	£53.54
	1 1/2"	RBA30A0500	£77.91
	2"	RBA30A0630	£103.04
	2 1/2"	RBA30A0750	£242.75
	3"	RBA30A0900	£313.49
	4"	RBA30A1100	£610.69

Prices shown are for one item excluding VAT


PVCu Imperial Solvent Cement Fittings

Fittings up to 6" 15 bar (20°C), above 6" 9 bar (20°C). * Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section


Check Valve Plain Sockets with Stainless Steel FPM Seals

Code: PSPVV	Nominal Size	Code	Price each
	3/8"	RBA32A0160	£49.75
	1/2"	RBA32A0200	£49.75
	3/4"	RBA32A0250	£57.67
	1"	RBA32A0320	£62.49
	1 1/4"	RBA32A0400	£73.19


Check Valve Plain Sockets with Stainless Steel FPM Seals

Code: PSPVV	Nominal Size	Code	Price each
	1 1/2"	RBA32A0500	£101.09
	2"	RBA32A0630	£134.50
	2 1/2"	RBA32A0750	£399.19
	3"	RBA32A0900	£428.35
	4"	RBA32A1100	£1,000.20

Check Valve Plain Sockets with PTFE Coated Spring EPDM Seals

Code: PSPVV	Nominal Size	Code	Price each
	3/8"	RBA31A0160	£54.00
	1/2"	RBA31A0200	£57.84
	3/4"	RBA31A0250	£64.76
	1"	RBA31A0320	£67.62
	1 1/4"	RBA31A0400	£78.84
	1 1/2"	RBA31A0500	£103.04
	2"	RBA31A0630	£131.79
	2 1/2"	RBA31A0750	£274.28
	3"	RBA31A0900	£345.02

Check Valve Plain Sockets with PTFE Coated Spring FPM Seals


Code: PSPVV	Nominal Size	Code	Price each
	3/8"	RBA34A0160	£69.64
	1/2"	RBA34A0200	£72.17
	3/4"	RBA34A0250	£79.85
	1"	RBA34A0320	£84.65
	1 1/4"	RBA34A0400	£98.49
	1 1/2"	RBA34A0500	£101.09
	2"	RBA34A0630	£163.16
	2 1/2"	RBA34A0750	£407.93
	3"	RBA34A0900	£419.37

Prices shown are for one item excluding VAT


PVCu Imperial Solvent Cement Fittings

Fittings up to 6" 15 bar (20°C), above 6" 9 bar (20°C). * Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section

Air Release Valve Plain Sockets with EPDM Seals

Code: PSPVV	Nominal Size	Code	Price each
	3/8"	RBA33A0160	£33.14
	1/2"	RBA33A0200	£34.65
	3/4"	RBA33A0250	£41.40
	1"	RBA33A0320	£44.44
	1 1/4"	RBA33A0400	£48.49
	1 1/2"	RBA33A0500	£71.34
	2"	RBA33A0630	£93.58
	2 1/2"	RBA33A0750	£226.56
	3"	RBA33A0900	£294.18
	4"	RBA33A1100	£680.17

In Line Strainer Plain Sockets with EPDM Seals






Code: PSPRA	Nominal Size	Code	Price each
	1/2"	RBA35A0200	£67.23
	3/4"	RBA35A0250	£74.92
	1"	RBA35A0320	£87.32
	1 1/4"	RBA35A0400	£107.95
	1 1/2"	RBA35A0500	£129.19
	2"	RBA35A0630	£189.86

Prices shown are for one item excluding VAT

HIGH PERFORMANCE BUTTERFLY VALVES











H FLOW SERIES BUTTERFLY VALVE

-  Patented offset disc allowing greater flow rates
-  Minimal pressure drop across the valve
-  19 operating positions for accurate flow regulation
-  Ready to actuate in accordance to ISO5211
-  Control options Handle, Gearbox, Pneumatic or Electric actuators.

HIGH PERFORMANCE BUTTERFLY VALVES



T&P FLOW SERIES BUTTERFLY VALVE

-  EPDM or FPM seal
-  AISI1316 Stainless steel shaft
-  Patented offset disc allowing greater flow rates
-  Minimal pressure drop across the valve
-  19 operating positions for accurate flow regulation
-  Ready to actuate in accordance to ISO5211
-  Control options Handle, Gearbox, Pneumatic or Electric actuators.
-  T series temperature range -15 to +95

PVCu - Imperial

PVCu Butterfly Valves

Maximum working pressure: 10 bar

Pro Flow H Series

Code: PSPRO



Nominal Size	Code	Price each
2 1/2"	RBAPFH0750	£204.75
3"	RBAPFH0900	£232.20
4"	RBAPFH1100	£253.55
5"	RBAPFH1400*	£283.50
6"	RBAPFH1600*	£348.35
8"	RBAPFH2250*	£597.65

*Available in 2018

Pro Flow P Series EPDM Seals

Code: PSPRO



Nominal Size	Code	Price each
2 1/2"	RBAPFP0750	£366.50
3"	RBAPFP0900	£398.90
4"	RBAPFP1100	£447.50
5"	RBAPFP1400*	£483.50
6"	RBAPFP1600*	£593.75
8"	RBAPFP2250*	£822.80

*Available in 2018

Pro Flow P Series FPM Seals

Code: PSPRO



Nominal Size	Code	Price each
2 1/2"	RBAPFP075F	£485.50
3"	RBAPFP090F	£598.30
4"	RBAPFP110F	£723.15
5"	RBAPFP140F*	£753.15
6"	RBAPFP160F*	£998.70
8"	RBAPFP225F*	£1,451.65

*Available in 2018

Prices shown are for one item excluding VAT

PVCu Diaphragm Valves

Maximum working pressure: 10 bar (145 psi) at 20°C

Diaphragm Valve Plain Sockets EPDM Seals

Code: PSPVV



Nominal Size	Code	Price each
1/2"	RBA40A0200	£177.78
3/4"	RBA40A0250	£198.76
1"	RBA40A0320	£242.92
1 1/4"	RBA40A0400	£320.40
1 1/2"	RBA40A0500	£412.45
2"	RBA40A0630	£494.24

3 Way Ball Valve T Port Plain BS EPDM O Rings Plain Ends

Code: PSAQU



Nominal Size	Code	Price each
3/4"	RBA82T0250	£117.72
1"	RBA82T0320	£117.72
1 1/2"	RBA82T0500	£179.31
2"	RBA82T0630	£234.74

Prices shown are for one item excluding VAT

PVCu Diaphragm Valves

Maximum working pressure: 10 bar (145 psi) at 20°C

3 Way Ball Valve L Port Plain BS EPDM O Rings Plain Ends

Code: PSAQU



Nominal Size	Code	Price each
3/4"	RBA83L0250	£109.97
1"	RBA83L0320	£109.97
1 1/2"	RBA83L0500	£170.22
2"	RBA83L0630	£211.97

3 Way Ball Valve L Port Plain Sockets EPDM Seals

Code: PSPRA



Nominal Size	Code	Price each
3/4"	RBA60A0250	£163.07
1"	RBA60A0320	£200.78
1 1/2"	RBA60A0500	£274.84
2"	RBA60A0630	£357.68

3 Way Ball Valve T Port Plain Sockets EPDM Seals

Code: PSPRA



Nominal Size	Code	Price each
3/4"	RBA65A0250	£170.82
1"	RBA65A0320	£210.32
1 1/2"	RBA65A0500	£287.88
2"	RBA65A0630	£374.66

Butterfly Valve—Water Supply Hand Operated EPDM Seals

Code: PSPVV



Discontinued - Available whilst stocks last

Nominal Size	Code	Price each
-	RBA15A1250	£330.65
5"	RBA15A1400	£354.39
6"	RBA15A1600	£417.99
8"	RBA15A2250	£496.23

Swing Check Valve EPDM Seals

Code: PSAQU



Nominal Size	Code	Price each
2 1/2"	RBA73A0750	£119.71
3"	RBA73A0900	£142.60
4"	RBA73A1100	£173.69
5"	RBA73A1400	£202.57
6"	RBA73A1600	£243.71

Swing Check Valve with Spring EPDM Seals

Code: PSAQU




Nominal Size	Code	Price each
2 1/2"	RBA74A0750	£126.90
3"	RBA74A0900	£151.16
4"	RBA74A1100	£184.12
5"	RBA74A1400	£214.71
6"	RBA74A1600	£258.33

Prices shown are for one item excluding VAT


PVCu Diaphragm Valves

Maximum working pressure: 10 bar (145 psi) at 20°C

Electrically Actuated Double Union Ball Valve—Plain Sockets EPDM Seals

Code: PSPVV	Nominal Size	Code	Price each
	½"	RBA24A0200	£1,527.28
	¾"	RBA24A0250	£1,550.83
	1"	RBA24A0320	£1,806.90
	1¼"	RBA24A0400	£1,847.67
	1½"	RBA24A0500	£2,018.83
	2"	RBA24A0630	£2,149.03
	2½"	RBA24A0750	£3,321.94
	3"	RBA24A0900	£3,700.44
	4"	RBA24A1100	£4,130.80


Electrically Actuated Double Union Ball Valve—Plain Sockets FPM Seals

Code: PSPVV	Nominal Size	Code	Price each
	½"	RBA25A0200	£1,550.83
	¾"	RBA25A0250	£1,566.64
	1"	RBA25A0320	£1,606.00
	1¼"	RBA25A0400	£1,645.39
	1½"	RBA25A0500	£1,700.34
	2"	RBA25A0630	£1,763.43
	2½"	RBA25A0750	£3,475.53
	3"	RBA25A0900	£3,869.63
	4"	RBA25A1100	£4,281.60

Prices shown are for one item excluding VAT

PVCu Pneumatically Actuated Double Union Ball Valves Fail Safe Closed


Plain Sockets EPDM Seals

Code: PSPVV	Nominal Size	Code	Price each
	½"	RBA26A0200	£804.91
	¾"	RBA26A0250	£894.05
	1"	RBA26A0320	£966.16
	1¼"	RBA26A0400	£1,041.07
	1½"	RBA26A0500	£1,083.36
	2"	RBA26A0630	£1,513.77
	2½"	RBA26A0750	£2,185.83
	3"	RBA26A0900	£2,325.04
	4"	RBA26A1100	£2,422.96

Prices shown are for one item excluding VAT


PVCu Pneumatically Actuated Double Union Ball Valves Fail Safe Closed

FPM Seals

Code: PSPVV	Nominal Size	Code	Price each
	½"	RBA27A0200	£817.16
	¾"	RBA27A0250	£833.55
	1"	RBA27A0320	£862.21
	1¼"	RBA27A0400	£931.53
	1½"	RBA27A0500	£976.55
	2"	RBA27A0630	£1,037.83
	2½"	RBA27A0750	£2,295.12
	3"	RBA27A0900	£2,463.79
	4"	RBA27A1100	£2,659.00

Pressure Relief Valve

(operates between 0.5 and 6.5 bar) EPDM Seals

Code: PSAQU	Nominal Size	Code	Price each
	½" - 20mm	RBAPRV0200	£518.98
	¾" - 25mm	RBAPRV0250	£560.07
	1" - 32mm	RBAPRV0320	£567.02
	1¼" - 40mm	RBAPRV0400	£709.95
	1½" - 50mm	RBAPRV0500	£822.06
	2" - 63mm	RBAPRV0630	£946.66

Up-rated spring available to increase maximum pressure to 10 bar. Add to the list price as stated above.

£55.53

- Available in PVCu, ABS, PVCC, PP and PVDF.
- Diaphragms available in natural rubber, EDPM and FPM (Viton)
- Bi-Directional Design
- No metal parts in contact with line media
- Can be preset
- Can be installed in any position
- Also works as a Pressure Sustaining Valve
- Minimum set pressure 0.5 Bar (7 PSI) and maximum set pressure 6.8 Bar (100 PSI)
- Easily adjusted on site
- Connections Male Spigot: PVCu Imperial or Metric, ABS - Imperial, PVCC Metric, PP Metric, PVDF Metric.
- Mounting inserts provided in base as standard

Prices shown are for one item excluding VAT

PVCu - Imperial

PVCu Pressure Pipes Metric

3 Metre Pressure Pipe 10 Bar				
Code: PSPVP	Nominal Size	Code	Price per metre	Price per length
	40mm	RP10CL100400PE3	£4.75	£14.24
	50mm	RP10CL100500PE3	£6.98	£20.94
	63mm	RP10CL100630PE3	£7.79	£23.37
	75mm	RP10CL100750PE3	£11.10	£33.31
	90mm	RP10CL100900PE3	£15.44	£46.31
	110mm	RP10CL101100PE3	£22.61	£67.84
	125mm	RP10CL101250PE3	£31.37	£94.10
	140mm	RP10CL101400PE3	£32.95	£98.86
	160mm	RP10CL101600PE3	£48.01	£144.02
	200mm	RP10CL102000PE3	£80.78	£242.33
	225mm	RP10CL102250PE3	£101.72	£305.16
	250mm	RP10CL102500PE3	£136.54	£409.61
	280mm	RP10CL102800PE3	POA	POA
	315mm	RP10CL103150PE3	£197.96	£593.88

3 Metre Pressure Pipe 16 Bar				
Code: PSPVP	Nominal Size	Code	Price per metre	Price per length
	16mm	RP16CL160160PE3	£1.02	£3.06
	20mm	RP16CL160200PE3	£1.46	£4.38
	25mm	RP16CL160250PE3	£2.28	£6.83
	32mm	RP16CL160320PE3	£3.63	£10.88
	40mm	RP16CL160400PE3	£5.66	£16.98
	50mm	RP16CL160500PE3	£8.67	£26.01
	63mm	RP16CL160630PE3	£11.69	£35.07
	75mm	RP16CL160750PE3	£16.55	£49.66
	90mm	RP16CL160900PE3	£23.58	£70.75
	110mm	RP16CL161100PE3	£34.23	£102.69
	160mm	RP16CL161600PE3	£71.92	£215.77

Prices shown are for one item excluding VAT

PVCu pressure pipes metric

6 Metre Pressure Pipe 10 Bar				
Code: PSPVP	Nominal Size	Code	Price per metre	Price per length
	40mm	RP10CL100400PE	£4.75	£28.49
	50mm	RP10CL100500PE	£6.98	£41.86
	63mm	RP10CL100630PE	£7.79	£46.73
	75mm	RP10CL100750PE	£11.11	£66.63
	90mm	RP10CL100900PE	£15.44	£92.61
	110mm	RP10CL101100PE	£22.62	£135.70
	125mm	RP10CL101250PE	£31.36	£188.18
	140mm	RP10CL101400PE	£33.15	£198.89
	160mm	RP10CL101600PE	£48.00	£288.02
	200mm	RP10CL102000PE	£80.78	£484.66
	225mm	RP10CL102250PE	£101.72	£610.34
	250mm	RP10CL102500PE	£136.53	£819.20
	280mm	RP10CL102800PE	£152.62	£915.71
	315mm	RP10CL103150PE	£197.96	£1,187.77

6 Metre Pressure Pipe 16 Bar				
Code: PSPVP	Nominal Size	Code	Price per metre	Price per length
	16mm	RP16CL160160PE	£1.02	£6.14
	20mm	RP16CL160200PE	£1.46	£8.78
	25mm	RP16CL160250PE	£2.28	£13.68
	32mm	RP16CL160320PE	£3.62	£21.74
	40mm	RP16CL160400PE	£5.66	£33.96
	50mm	RP16CL160500PE	£8.67	£52.03
	63mm	RP16CL160630PE	£11.69	£70.12
	75mm	RP16CL160750PE	£16.55	£99.30
	90mm	RP16CL160900PE	£23.58	£141.50
	110mm	RP16CL161100PE	£34.23	£205.39
	125mm	RP16CL161250PE	£53.08	£318.47
	160mm	RP16CL161600PE	£71.93	£431.57

Prices shown are for one item excluding VAT


PVCu - Metric

PVCu Metric Solvent Cement Fittings


Fittings up to 160mm 16 bar (20°C), fittings 200mm to 315mm 10 bar (20°C).
*Maximum working pressure: 10 bar (145 psi) at 20°C. For backing rings and gaskets see Accessories section.

Socket Plain			
Code: PSPVF	Nominal Size	Code	Price each
	16	RFIMAI0160	£1.59
	20	RFIMAI0200	£1.68
	25	RFIMAI0250	£1.91
	32	RFIMAI0320	£2.11
	40	RFIMAI0400	£3.32
	50	RFIMAI0500	£4.16
	63	RFIMAI0630	£5.98
	75	RFIMAI0750	£15.29
	90	RFIMAI0900	£23.45
	110	RFIMAI1100	£33.59
	125	RFIMAI1250	£55.13
	140	RFIMAI1400	£79.60
	160	RFIMAI1600	£85.47
	200	RFIMAI2000	£204.45
	225*	RFIMAI2250	£244.26
	250*	RFIMAI2500	£419.47
	280*	RFIMAI2800	£547.59
	315*	RFIMAI3150	£824.03

Union Plain. Unions up to 63mm 16 bar (20°C), above 63mm 10 bar (20°C). Supplied with EPDM O ring—for FPM O ring see Accessories section

Code: PSPVF	Nominal Size	Code	Price each
	16	RFIBOI0160	£6.78
	20	RFIBOI0200	£7.96
	25	RFIBOI0250	£9.90
	32	RFIBOI0320	£12.29
	40	RFIBOI0400	£14.64
	50	RFIBOI0500	£20.58
	63	RFIBOI0630	£27.32
	75*	RFIBOI0750	£81.06
	90*	RFIBOI0900	£110.78
	110*	RFIBOI1100	£134.61


Elbow 90° Plain

Code: PSPVF	Nominal Size	Code	Price each
	16	RFIGOI0160	£1.78
	20	RFIGOI0200	£2.32
	25	RFIGOI0250	£2.67
	32	RFIGOI0320	£3.28
	40	RFIGOI0400	£5.82
	50	RFIGOI0500	£7.39
	63	RFIGOI0630	£11.35
	75	RFIGOI0750	£25.99
	90	RFIGOI0900	£33.20
	110	RFIGOI1100	£50.41


Prices shown are for one item excluding VAT

PVCu Metric Solvent Cement Fittings


Fittings up to 160mm 16 bar (20°C), fittings 200mm to 315mm 10 bar (20°C).
*Maximum working pressure: 10 bar (145 psi) at 20°C. For backing rings and gaskets see Accessories section.

Elbow 90° Plain			
Code: PSPVF	Nominal Size	Code	Price each
	125	RFIGOI1250	£97.70
	140	RFIGOI1400	£137.33
	160	RFIGOI1600	£195.50
	200*	RFIGOI2000	£394.79
	225*	RFIGOI2250	£542.54
	250*	RFIGOI2500	£1,308.77
	280*	RFIGOI2800	£1,432.10
	315*	RFIGOI3150	£1,715.75

Elbow 45° Plain

Code: PSPVF	Nominal Size	Code	Price each
	16	RFIGYI0160	£3.46
	20	RFIGYI0200	£3.77
	25	RFIGYI0250	£4.09
	32	RFIGYI0320	£4.68
	40	RFIGYI0400	£6.87
	50	RFIGYI0500	£7.45
	63	RFIGYI0630	£12.83
	75	RFIGYI0750	£24.24
	90	RFIGYI0900	£30.14
	110	RFIGYI1100	£63.88
	125	RFIGYI1250	£98.36
	140	RFIGYI1400	£127.34
	160	RFIGYI1600	£148.83
	200*	RFIGYI2000	£319.45
	225*	RFIGYI2250	£410.79
	250*	RFIGYI2500	£972.04
	280*	RFIGYI2800	£1,056.14
	315*	RFIGYI3150	£1,811.13

Bend 90° Short Radius Plain

Code: PSPVF	Nominal Size	Code	Price each
	20	RFICUI0200	£8.70
	25	RFICUI0250	£10.77
	32	RFICUI0320	£16.95
	40	RFICUI0400	£20.58
	50	RFICUI0500	£25.07
	63	RFICUI0630	£32.79
	75	RFICUI0750	£76.13
	90	RFICUI0900	£83.66
	110	RFICUI1100	£144.95

Prices shown are for one item excluding VAT

PVCu Metric Solvent Cement Fittings

Fittings up to 160mm 16 bar (20°C), fittings 200mm to 315mm 10 bar (20°C).
*Maximum working pressure: 10 bar (145 psi) at 20°C. For backing rings and gaskets see Accessories section.

Tee 90° Plain			
Code: PSPVF	Nominal Size	Code	Price each
	16	RFITII0160	£2.10
	20	RFITII0200	£2.67
	25	RFITII0250	£3.20
	32	RFITII0320	£4.34
	40	RFITII0400	£6.13
	50	RFITII0500	£9.68
	63	RFITII0630	£14.53
	75	RFITII0750	£30.50
	90	RFITII0900	£41.96
	110	RFITII1100	£64.27
	125	RFITII1250	£131.34
	140	RFITII1400	£201.11
	160	RFITII1600	£220.45
	200*	RFITII2000	£461.26
	225*	RFITII2250	£500.33
	250*	RFITII2500	£985.35
	280*	RFITII2800	£1,076.61
	315*	RFITII3150	£2,060.01



Tee 90° Reduced on Branch Plain			
Code: PSPVF	Nominal Size	Code	Price each
	20 x 16	RFITRI020A	£2.26
	25 x 16	RFITRI025A	£2.67
	25 x 20	RFITRI025B	£3.20
	32 x 16	RFITRI032A	£4.29
	32 x 20	RFITRI032B	£4.29
	32 x 25	RFITRI032C	£4.29
	40 x 16	RFITRI040A	£6.22
	40 x 20	RFITRI040B	£6.22
	40 x 25	RFITRI040C	£6.22
	40 x 32	RFITRI040D	£6.22
	50 x 20	RFITRI050B	£9.68
	50 x 25	RFITRI050C	£9.68
	50 x 32	RFITRI050D	£9.68
	50 x 40	RFITRI050E	£9.68
	63 x 25	RFITRI063C	£14.53
	63 x 32	RFITRI063D	£14.53
	63 x 40	RFITRI063E	£14.53
	63 x 50	RFITRI063F	£14.53
	75 x 40	RFITRI075E	£25.59
	75 x 50	RFITRI075F	£25.59
	75 x 63	RFITRI075G	£25.59
	90 x 50	RFITRI090F	£41.96
	90 x 63	RFITRI090G	£41.96



PVCu Metric Solvent Cement Fittings

Fittings up to 160mm 16 bar (20°C), fittings 200mm to 315mm 10 bar (20°C).
*Maximum working pressure: 10 bar (145 psi) at 20°C. For backing rings and gaskets see Accessories section.

Tee 90° Reduced on Branch Plain			
Code: PSPVF	Nominal Size	Code	Price each
	90 x 75	RFITRI090H	£41.96
	110 x 50	RFITRI110F	£63.71
	110 x 63	RFITRI110G	£63.71
	110 x 75	RFITRI110H	£63.71
	110 x 90	RFITRI110I	£63.71
	160 x 90	RFITRI160I	£218.54
	160 x 110	RFITRI160L	£218.54
	160 x 140	RFITRI160N	£218.54



Tee 45° Plain			
Code: PSPVF	Nominal Size	Code	Price each
	20	RFITYI0200	£12.67
	25	RFITYI0250	£13.54
	32	RFITYI0320	£15.24
	40	RFITYI0400	£18.71
	50	RFITYI0500	£23.55
	63	RFITYI0630	£36.47
	75	RFITYI0750	£181.09
	90	RFITYI0900	£283.11
	110	RFITYI1100	£580.62



Cross 90° Plain			
Code: PSPVF	Nominal Size	Code	Price each
	20	RFICXI0200	£6.20
	25	RFICXI0250	£9.19
	32	RFICXI0320	£11.10
	40	RFICXI0400	£15.96
	50	RFICXI0500	£20.09
	63	RFICXI0630	£27.43



Reducing Socket Plain			
Code: PSPVF	Nominal Size	Code	Price each
	20 x 16	RFIMRI020A	£1.79
	25 x 20	RFIMRI025B	£1.91
	32 x 25	RFIMRI032C	£2.92
	40 x 32	RFIMRI040D	£3.08
	50 x 40	RFIMRI050E	£3.74
	63 x 40	RFIMRI063E	£7.36
	63 x 50	RFIMRI063F	£7.36
	75 x 63	RFIMRI075G	£15.22
	90 x 75	RFIMRI090H	£18.78
	110 x 90	RFIMRI110I	£31.99
	125 x 110	RFIMRI125L	£46.50
	140 x 110	RFIMRI140L	£59.78




Prices shown are for one item excluding VAT

Prices shown are for one item excluding VAT

PVCu - Metric

PVCu Metric Solvent Cement Fittings


Fittings up to 160mm 16 bar (20°C), fittings 200mm to 315mm 10 bar (20°C).
*Maximum working pressure: 10 bar (145 psi) at 20°C. For backing rings and gaskets see Accessories section.


Reducing Bush Plain			
Code: PSPVF	Nominal Size	Code	Price each
	20 x 16	RFIRCI020A	£1.75
	25 x 16	RFIRCI025A	£2.00
	25 x 20	RFIRCI025B	£2.00
	32 x 16	RFIRCI032A	£2.50
	32 x 20	RFIRCI032B	£2.50
	32 x 25	RFIRCI032C	£2.50
	40 x 20	RFIRCI040B	£3.38
	40 x 25	RFIRCI040C	£3.38
	40 x 32	RFIRCI040D	£3.38
	50 x 25	RFIRCI050C	£4.03
	50 x 32	RFIRCI050D	£4.03
	50 x 40	RFIRCI050E	£4.03
	63 x 32	RFIRCI063D	£5.21
	63 x 40	RFIRCI063E	£5.21
	63 x 50	RFIRCI063F	£5.35
	75 x 40	RFIRCI075E	£9.96
	75 x 50	RFIRCI075F	£9.96
	75 x 63	RFIRCI075G	£9.96
	90 x 50	RFIRCI090F	£17.27
	90 x 63	RFIRCI090G	£17.27
	90 x 75	RFIRCI090H	£17.27
	110 x 63	RFIRCI110G	£23.73
	110 x 75	RFIRCI110H	£24.50
	110 x 90	RFIRCI110I	£24.50
	125 x 75	RFIRCI125H	£40.12
	125 x 90	RFIRCI125I	£40.12
	125 x 110	RFIRCI125L	£40.12
	140 x 90	RFIRCI140I	£52.14
	140 x 110	RFIRCI140L	£52.14
	140 x 125	RFIRCI140M	£52.14
	160 x 110	RFIRCI160L	£70.45
	160 x 125	RFIRCI160M	£70.45
	160 x 140	RFIRCI160N	£70.45
	200 x 160*	RFIRCI2000	£140.06
	225 x 160*	RFIRCI2250	£205.00
	225 x 200*	RFIRCI225P	£205.00
	250 x 160*	RFIRCI2500	£434.06
	250 x 200*	RFIRCI250P	£434.06
	250 x 225*	RFIRCI250Q	£434.06
	280 x 225*	RFIRCI280Q	£406.06
	315 x 200*	RFIRCI315P	£690.51
	315 x 225*	RFIRCI315Q	£690.51
	315 x 250*	RFIRCI315R	£690.51


Prices shown are for one item excluding VAT

PVCu Metric Solvent Cement Fittings

Fittings up to 160mm 16 bar (20°C), fittings 200mm to 315mm 10 bar (20°C).
*Maximum working pressure: 10 bar (145 psi) at 20°C. For backing rings and gaskets see Accessories section.

Stub Flange (serrated face) Plain			
Code: PSPVF	Nominal Size	Code	Price each
	20	RFIQRIO200	£1.91
	25	RFIQRIO250	£2.11
	32	RFIQRIO320	£2.69
	40	RFIQRIO400	£4.16
	50	RFIQRIO500	£4.32
	63	RFIQRIO630	£11.11
	75	RFIQRIO750	£18.22
	90	RFIQRIO900	£20.78
	110	RFIQRIO1100	£29.16
	125	RFIQRIO1250	£57.34
	140	RFIQRIO1400	£61.40
	160	RFIQRIO1600	£68.77
	200*	RFIQRIO2000	£131.05
	225*	RFIQRIO2250	£183.52
	250*	RFIQRIO2500	£245.13
	280*	RFIQRIO2800	£290.20
	315*	RFIQRIO3150	£446.78

Full Faced Flange Drilled to BS4504 NP10/16 Plain			
Code: PSPVF	Nominal Size	Code	Price each
	20	RFIFFIO200	£9.14
	25	RFIFFIO250	£9.29
	32	RFIFFIO320	£12.02
	40	RFIFFIO400	£14.09
	50	RFIFFIO500	£16.61
	63	RFIFFIO630	£21.08
	75	RFIFFIO750	£34.72
	90	RFIFFIO900	£39.24
	110	RFIFFIO1100	£54.45


Blanking Flange Drilled to BS4504 NP10/16. Operating Pressure Show at 20°C			
Code: PSPVF	Nominal Size	Code	Price each
	20	RFIFCIO200	£30.41
	25	RFIFCIO250	£34.60
	32	RFIFCIO320	£44.62
	40	RFIFCIO400	£46.98
	50	RFIFCIO500	£50.79
	63	RFIFCIO630	£56.85
	75	RFIFCIO750	£85.16
	90	RFIFCIO900	£100.49
	110	RFIFCIO1100	£129.26
	125	RFIFCIO1250	£136.86

Prices shown are for one item excluding VAT

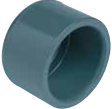
PVCu Metric Solvent Cement Fittings

Fittings up to 160mm 16 bar (20°C), fittings 200mm to 315mm 10 bar (20°C).
*Maximum working pressure: 10 bar (145 psi) at 20°C. For backing rings and gaskets see Accessories section.


Blanking Flange Drilled to BS4504 NP10/16. Operating Pressure Show at 20°C

Code: PSPVF	Nominal Size	Code	Price each
	140	RFIFCI1400	£201.97
	160	RFIFCI1600	£226.92
	200	RFIFCI2000	£253.76
	225	RFIFCI2250	£420.76

Cap Plain

Code: PSPVF	Nominal Size	Code	Price each
	16	RFICAI0160	£1.41
	20	RFICAI0200	£1.59
	25	RFICAI0250	£1.79
	32	RFICAI0320	£1.91
	40	RFICAI0400	£3.22
	50	RFICAI0500	£4.68
	63	RFICAI0630	£6.07
	75	RFICAI0750	£18.32
	90	RFICAI0900	£19.58
	110	RFICAI1100	£30.02
	125	RFICAI1250	£52.87
	140	RFICAI1400	£61.49
	160*	RFICAI1600	£78.27
	200*	RFICAI2000	£187.53
	225*	RFICAI2250	£203.76

Tank Connector Metric/Imperial

Code: PSPVF	Nominal Size	Code	Price each
	20 x 1/2"	RFITCI0200	£12.29
	25 x 3/4"	RFITCI0250	£14.05
	32 x 1"	RFITCI0320	£29.85
	40 x 1 1/4"	RFITCI0400	£55.72
	50 x 1 1/2"	RFITCI0500	£64.61
	63 x 2"	RFITCI0630	£70.58
	90 x 3"	RFITCI0900	£119.99
	110 x 4"	RFITCI1100	£128.77


PVCu Metric Solvent Cement Fittings

Fittings up to 110mm 16bar (20°C)


Socket Plain/BSP Female Threaded

Code: PSPVF	Nominal Size	Code	Price each
	16 x 3/8"	RFPMAP016A	£3.69
	20 x 1/2"	RFPMAP020B	£3.99
	25 x 3/4"	RFPMAP025C	£4.32
	32 x 1"	RFPMAP032D	£5.48
	40 x 1 1/4"	RFPMAP040E	£8.56
	50 x 1 1/2"	RFPMAP050F	£10.35
	63 x 2"	RFPMAP063G	£13.74
	75 x 2 1/2"	RFPMAP075H	£42.20
	90 x 3"	RFPMAP090I	£45.09
	110 x 4"	RFPMAP110L	£56.36

Socket Plain/BSP Female Threaded with Stainless Steel Reinforcing Ring

Code: PSPVF	Nominal Size	Code	Price each
	20 x 1/2"	RFRMER0200	£6.73
	25 x 3/4"	RFRMER0250	£7.10
	32 x 1"	RFRMER0320	£8.41
	40 x 1 1/4"	RFRMER0400	£12.08
	50 x 1 1/2"	RFRMER0500	£14.24
	63 x 2"	RFRMER0630	£18.03

Spigot Plain/BSP Female Threaded

Code: PSPVF	Nominal Size	Code	Price each
	16 x 3/8"	RFPAFP016A	£4.43
	20 x 1/2"	RFPAFP020B	£4.56
	20 x 3/4"	RFPAFP020C	£4.56
	25 x 1/2"	RFPAFP025B	£5.43
	25 x 3/4"	RFPAFP025C	£5.43
	25 x 1"	RFPAFP025D	£5.43
	32 x 3/4"	RFPAFP032C	£6.51
	32 x 1"	RFPAFP032D	£6.51
	40 x 1"	RFPAFP040D	£7.59
	40 x 1 1/4"	RFPAFP040E	£7.59
	50 x 1 1/2"	RFPAFP050F	£13.11
	50 x 2"	RFPAFP050G	£13.11
	63 x 2"	RFPAFP063G	£15.99
	75 x 2"	RFPAFP075G	£26.40
	75 x 2 1/2"	RFPAFP075H	£26.40
	75 x 3"	RFPAFP075I	£26.40
	90 x 2 1/2"	RFPAFP090H	£37.93
	90 x 3"	RFPAFP090I	£33.25
	90 x 4"	RFPAFP090L	£37.93
	110 x 3"	RFPAFP110I	£47.97
	110 x 4"	RFPAFP110L	£47.97

PVCu - Metric

PVCu Metric Solvent Cement Fittings

Fittings up to 110mm 16bar (20°C)

Spigot Plain/BSP Female Threaded with Stainless Steel Reinforcing Ring

Code: PSPVF



Nominal Size	Code	Price each
20 x 1/2"	RFRAER0200	£7.34
25 x 3/4"	RFRAER0250	£8.33
32 x 1"	RFRAER0320	£9.52
40 x 1 1/4"	RFRAER0400	£11.16
50 x 1 1/2"	RFRAER0500	£17.13
63 x 2"	RFRAER0630	£20.09

Socket or Spigot Plain/BSP Male Threaded

Code: PSPVF



Nominal Size	Code	Price each
12 x 16 x 3/8"	RFPAMP012A	£2.79
16 x 20 x 3/8"	RFPAMP016A	£2.79
16 x 20 x 1/2"	RFPAMP016B	£2.79
20 x 25 x 3/8"	RFPAMP020A	£2.89
20 x 25 x 1/2"	RFPAMP020B	£2.89
20 x 25 x 3/4"	RFPAMP020C	£2.89
25 x 32 x 1/2"	RFPAMP025B	£3.36
25 x 32 x 3/4"	RFPAMP025C	£3.36
25 x 32 x 1"	RFPAMP025D	£3.36
32 x 40 x 3/4"	RFPAMP032C	£4.13
32 x 40 x 1"	RFPAMP032D	£4.13
32 x 40 x 1 1/4"	RFPAMP032E	£4.13
40 x 50 x 1"	RFPAMP040D	£8.29
40 x 50 x 1 1/4"	RFPAMP040E	£8.29
40 x 50 x 1 1/2"	RFPAMP040F	£8.29
50 x 63 x 1 1/4"	RFPAMP050E	£12.02
50 x 63 x 1 1/2"	RFPAMP050F	£12.02
50 x 63 x 2"	RFPAMP050G	£12.02
63 x 75 x 1 1/2"	RFPAMP063F	£19.22
63 x 75 x 2"	RFPAMP063G	£19.22
63 x 75 x 2 1/2"	RFPAMP063H	£19.22
75 x 90 x 2"	RFPAMP075G	£33.92
75 x 90 x 2 1/2"	RFPAMP075H	£33.92
75 x 90 x 3"	RFPAMP075I	£33.92
90 x 110 x 2 1/2"	RFPAMP090H	£38.72
90 x 110 x 3"	RFPAMP090I	£38.72
90 x 110 x 4"	RFPAMP090L	£38.72
110 x 125 x 3"	RFPAMP110I	£50.23
110 x 125 x 4"	RFPAMP110L	£50.23

Prices shown are for one item excluding VAT

PVCu Metric Solvent Cement Fittings

Fittings up to 110mm 16bar (20°C)

Union plain/BSP Female Threaded

Code: PSPVF



Nominal Size	Code	Price each
16 x 3/8"	RFPBOP016A	£12.83
20 x 1/2"	RFPBOP020B	£14.73
25 x 3/4"	RFPBOP025C	£15.70
32 x 1"	RFPBOP032D	£20.44
40 x 1 1/4"	RFPBOP040E	£23.54
50 x 1 1/2"	RFPBOP050F	£34.19
63 x 2"	RFPBOP063G	£51.47
75 x 2 1/2"	RFPBOP075H	£80.58
90 x 3"	RFPBOP090I	£110.60
110 x 4"	RFPBOP110L	£134.61

Prices shown are for one item excluding VAT

PVCu Metric Solvent Cement Fittings

Fittings up to 110mm 16bar (20°C), Unions up to 63mm 16 bar (20°C), above 63mm 10 bar (20°C)

Composite Union Plain Metric/BSP Male Brass Taper Threaded with Plastic Nut

Code: PSPVF



Nominal Size	Code	Price each
20 x 1/2"	RGRPMC0200	£38.45
25 x 3/4"	RGRPMC0250	£49.21
32 x 1"	RGRPMC0320	£64.45
40 x 1 1/4"	RGRPMC0400	£101.18
50 x 1 1/2"	RGRPMC0500	£122.85
63 x 2"	RGRPMC0630	£188.32

Composite Union Plain Metric/BSP Male Brass Taper Threaded

Code: PSPVF




Nominal Size	Code	Price each
20 x 1/2"	RGRBNG020B	£39.23
25 x 3/4"	RGRBNG025C	£50.21
32 x 1"	RGRBNG032D	£65.77
40 x 1 1/4"	RGRBNG040E	£103.24
50 x 1 1/2"	RGRBNG050F	£125.36
63 x 2"	RGRBNG063G	£192.16
90 x 3"	RGRBNG090I	£479.06

Prices shown are for one item excluding VAT


PVCu Metric Solvent Cement Fittings

Fittings up to 110mm 16bar (20°C), Unions up to 63mm 16 bar (20°C), above 63mm 10 bar (20°C)


Composite Union Plain Metric/BSP Female Brass Taper Threaded with Plastic Nut

Code: PSPVF	Nominal Size	Code	Price each
	20 x 1/2"	RGRPFC0200	£35.49
	25 x 3/4"	RGRPFC0250	£47.69
	32 x 1"	RGRPFC0320	£61.44
	40 x 1 1/4"	RGRPFC0400	£97.78
	50 x 1 1/2"	RGRPFC0500	£114.64
	63 x 2"	RGRPFC0630	£179.82


Composite Union Plain Metric/BSP Female Brass Threaded

Code: PSPVF	Nominal Size	Code	Price each
	20 x 1/2"	RGRBBG020B	£36.21
	25 x 3/4"	RGRBBG025C	£48.66
	32 x 1"	RGRBBG032D	£62.69
	40 x 1 1/4"	RGRBBG040E	£98.75
	50 x 1 1/2"	RGRBBG050F	£116.98
	63 x 2"	RGRBBG063G	£183.49
	90 x 3"	RGRBBG090I	£400.92

Elbow 90° Plain/BSP Female Threaded

Code: PSPVF	Nominal Size	Code	Price each
	16 x 3/8"	RFPGOP016A	£3.42
	20 x 1/2"	RFPGOP020B	£4.46
	25 x 3/4"	RFPGOP025C	£5.08
	32 x 1"	RFPGOP032D	£6.78
	40 x 1 1/4"	RFPGOP040E	£13.81
	50 x 1 1/2"	RFPGOP050F	£15.51
	63 x 2"	RFPGOP063G	£22.37
	75 x 2 1/2"	RFPGOP075H	£47.65
	90 x 3"	RFPGOP090I	£54.45
	110 x 4"	RFPGOP110L	£62.80

Elbow 90° Plain/BSP Female with Stainless Steel Reinforcing Ring


Code: PSPVF	Nominal Size	Code	Price each
	20 x 1/2"	RFRGER0200	£6.73
	25 x 3/4"	RFRGER0250	£7.91
	32 x 1"	RFRGER0320	£9.59
	40 x 1 1/4"	RFRGER0400	£13.28
	50 x 1 1/2"	RFRGER0500	£16.70
	63 x 2"	RFRGER0630	£23.54

Prices shown are for one item excluding VAT


PVCu Metric Solvent Cement Fittings

Fittings up to 110mm 16bar (20°C), Unions up to 63mm 16 bar (20°C), above 63mm 10 bar (20°C)

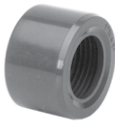
Tee 90° plain/BSP Female Threaded Branch

Code: PSPVF	Nominal Size	Code	Price each
	16 x 3/8"	RFPTIP016A	£3.69
	20 x 1/2"	RFPTIP020B	£3.99
	25 x 3/4"	RFPTIP025C	£5.48
	32 x 1"	RFPTIP032D	£6.17
	40 x 1 1/4"	RFPTIP040E	£9.76
	50 x 1 1/2"	RFPTIP050F	£12.83
	63 x 2"	RFPTIP063G	£19.30
	75 x 2 1/2"	RFPTIP075H	£47.39
	90 x 3"	RFPTIP090I	£41.78
	110 x 4"	RFPTIP110L	£72.12


Tee 90° Plain/BSP Female Threaded Branch with Stainless Steel Reinforcing Ring

Code: PSPVF	Nominal Size	Code	Price each
	20 x 1/2"	RFRTER0200	£7.29
	25 x 3/4"	RFRTER0250	£9.43
	32 x 1"	RFRTER0320	£9.71
	40 x 1 1/4"	RFRTER0400	£15.56
	50 x 1 1/2"	RFRTER0500	£19.41
	63 x 2"	RFRTER0630	£26.57

Adaptor Bush Metric Plain/BSP

Code: PSPVF	Nominal Size	Code	Price each
	25 x 1/2"	RGRRCG025B	£2.32
	32 x 3/4"	RGRRCG032C	£3.12
	40 x 1"	RGRRCG040D	£4.37
	50 x 1 1/4"	RGRRCG050E	£5.42
	63 x 1 1/2"	RGRRCG063F	£7.97
	75 x 2"	RGRRCG075G	£18.47
	90 x 2 1/2"	RGRRCG090H	£25.65
	110 x 3"	RGRRCG110I	£39.89

Adaptor Socket Plain


Code: PSPVF	Nominal Size	Code	Price each
	1/2" x 20	RFBMAB0200	£2.46
	3/4" x 25	RFBMAB0250	£2.60
	1" x 32	RFBMAB0320	£3.22
	1 1/4" x 40	RFBMAB0400	£4.89
	1 1/2" x 50	RFBMAB0500	£6.98
	2" x 63	RFBMAB0630	£15.89
	3" x 90	RFBMAB0900	£28.51
	4" x 110	RFBMAB1100	£46.42
	6" x 160	RFBMAB1600	£114.85

Prices shown are for one item excluding VAT

PVCu - Metric

PVCu Metric Solvent Cement Fittings


Fittings up to 110mm 16bar (20°C), Unions up to 63mm 16 bar (20°C), above 63mm 10 bar (20°C)


Union Plain Unions up to 63mm 15 bar (20°C), above 63mm 10 bar (20°C)			
Code: PSPVV	Nominal Size	Code	Price each
	½" x 20	RFBBOB0200	£14.32
	¾" x 25	RFBBOB0250	£16.08
	1" x 32	RFBBOB0320	£24.83
	1¼" x 40	RFBBOB0400	£31.18
	1½" x 50	RFBBOB0500	£39.87
	2" x 63	RFBBOB0630	£46.80
	3" x 90*	RFBBOB0900	£185.31
	4" x 110*	RFBBOB1100	£201.54

Prices shown are for one item excluding VAT

PVCu Metric Solvent Cement Fittings

Valves up to 63mm 16 bar (20°C), above 63mm 10 bar (20°C).


Industrial Double Union Ball Valve Plain Sockets EPDM Seals Metric			
Code: PSPVV	Nominal Size	Code	Price each
	16	RBI22I0160	£44.96
	20	RBI22I0200	£45.95
	25	RBI22I0250	£56.24
	32	RBI22I0320	£66.76
	40	RBI22I0400	£77.76
	50	RBI22I0500	£86.31
	63	RBI22I0630	£153.70
	75	RBI22I0750	£336.86
	90	RBI22I0900	£432.12
	110	RBI22I1100	£602.20


Industrial Double Union Ball Valve Plain Sockets FPM Seals Metric			
Code: PSPVV	Nominal Size	Code	Price each
	16	RBI23I0160	£59.02
	20	RBI23I0200	£59.88
	25	RBI23I0250	£71.74
	32	RBI23I0320	£87.44
	40	RBI23I0400	£112.11
	50	RBI23I0500	£142.50
	63	RBI23I0630	£177.72
	75	RBI23I0750	£438.61
	90	RBI23I0900	£515.86
	110	RBI23I1100	£722.87


Prices shown are for one item excluding VAT


PVCu Metric Solvent Cement Fittings

Valves up to 63mm 16 bar (20°C), above 63mm 10 bar (20°C).

Water Supply Double Union Ball Valve Plain Sockets EPDM Seals Metric			
Code: PSPVV	Nominal Size	Code	Price each
	16	RBI21I0160	£16.19
	20	RBI21I0200	£17.55
	25	RBI21I0250	£20.64
	32	RBI21I0320	£24.80
	40	RBI21I0400	£31.78
	50	RBI21I0500	£36.67
	63	RBI21I0630	£67.20
	75	RBI21I0750	£121.49
	90	RBI21I0900	£278.15
	110	RBI21I1100	£365.68

Water Supply Single Union Ball Valve Plain Sockets EPDM Seals			
Code: PSPVV	Nominal Size	Code	Price each
	16	RBI11I0160	£11.98
	20	RBI11I0200	£12.14
	25	RBI11I0250	£13.08
	32	RBI11I0320	£14.24

Water Supply Single Union Ball Valve Plain Sockets EPDM Seals			
Code: PSPVV	Nominal Size	Code	Price each
	40	RBI11I0400	£22.18
	50	RBI11I0500	£30.27
	63	RBI11I0630	£57.34
	75	RBI11I0750	£123.43
	90	RBI11I0900	£142.94
	110	RBI11I1100	£252.45


Check Valve Plain Sockets with Stainless Steel Spring EPDM Seals Metric			
Code: PSPVV	Nominal Size	Code	Price each
	16	RBI30I0160	£42.69
	20	RBI30I0200	£44.29
	25	RBI30I0250	£45.42
	32	RBI30I0320	£47.77
	40	RBI30I0400	£53.54
	50	RBI30I0500	£77.91
	63	RBI30I0630	£103.04
	75	RBI30I0750	£242.75
	90	RBI30I0900	£313.49
	110	RBI30I1100	£610.47

Prices shown are for one item excluding VAT


PVCu Metric Solvent Cement Fittings

Valves up to 63mm 16 bar (20°C), above 63mm 10 bar (20°C).


Check Valve Plain Sockets with PTFE Coated Spring EPDM Seals Metric

Code: PSPVV	Nominal Size	Code	Price each
	16	RBI31I0160	£47.31
	20	RBI31I0200	£57.84
	25	RBI31I0250	£64.76
	32	RBI31I0320	£59.55
	40	RBI31I0400	£78.84
	50	RBI31I0500	£103.04
	63	RBI31I0630	£131.79
	75	RBI31I0750	£274.28
	90	RBI31I0900	£345.02


Check Valve Plain Sockets with PTFE Coated Spring FPM Seals Metric

Code: PSPVV	Nominal Size	Code	Price each
	16	RBI34I0160	£60.90
	20	RBI34I0200	£72.17
	25	RBI34I0250	£79.85
	32	RBI34I0320	£84.65
	40	RBI34I0400	£98.49
	50	RBI34I0500	£126.32
	63	RBI34I0630	£163.16
	75	RBI34I0750	£362.99
	90	RBI34I0900	£459.87

Air Release Valve Plain Sockets with EPDM Seals Metric

Code: PSPVV	Nominal Size	Code	Price each
	16	RBI33I0160	£33.14
	20	RBI33I0200	£34.65
	25	RBI33I0250	£41.40
	32	RBI33I0320	£44.44
	40	RBI33I0400	£48.49
	50	RBI33I0500	£71.34
	63	RBI33I0630	£93.58
	75	RBI33I0750	£226.56
	90	RBI33I0900	£294.18
	110	RBI33I1100	£522.35

In Line Strainer Plain Sockets with EPDM Seals Metric


Code: PSPRA	Nominal Size	Code	Price each
	20	RBI35I0200	£67.23
	25	RBI35I0250	£74.92
	32	RBI35I0320	£87.32
	40	RBI35I0400	£107.95
	50	RBI35I0500	£129.19
	63	RBI35I0630	£189.86

Prices shown are for one item excluding VAT


PVCu Metric Solvent Cement Fittings

Maximum working pressure: 10 bar (20°C)


Diaphragm Valve Plain Sockets EPDM Seals Metric

Code: PSPRA	Nominal Size	Code	Price each
	20	RBI40I0200	£177.78
	25	RBI40I0250	£198.76
	32	RBI40I0320	£242.92
	40	RBI40I0400	£320.40
	50	RBI40I0500	£412.45
	63	RBI40I0630	£494.24


3 Way Ball Valve L Port EPDM O Rings Plain Ends

Code: PSAQU	Nominal Size	Code	Price each
	25	RBI80L0250	£109.97
	32	RBI80L0320	£109.97
	50	RBI80L0500	£170.22
	63	RBI80L0630	£211.97


3 Way Ball Valve T Port EPDM O Rings Plain Ends

Code: PSAQU	Nominal Size	Code	Price each
	25	RBI81T0250	£117.72
	32	RBI81T0320	£117.72
	50	RBI81T0500	£179.31
	63	RBI81T0630	£234.74

3 Way Ball Valve L Port Plain Sockets EPDM Seals Metric

Code: PSPRA	Nominal Size	Code	Price each
	25	RBI60I0250	£163.07
	32	RBI60I0320	£200.78
	50	RBI60I0500	£274.84
	63	RBI60I0630	£357.68

3 Way Ball Valve T Port Plain Sockets EPDM Seals Metric






Code: PSPRA	Nominal Size	Code	Price each
	25	RBI65I0250	£170.82
	32	RBI65I0320	£210.32
	50	RBI65I0500	£287.88
	63	RBI65I0630	£374.66

Prices shown are for one item excluding VAT

HIGH PERFORMANCE BUTTERFLY VALVES











H FLOW SERIES BUTTERFLY VALVE

-  Patented offset disc allowing greater flow rates
-  Minimal pressure drop across the valve
-  19 operating positions for accurate flow regulation
-  Ready to actuate in accordance to ISO5211
-  Control options Handle, Gearbox, Pneumatic or Electric actuators.

HIGH PERFORMANCE BUTTERFLY VALVES



T&P FLOW SERIES BUTTERFLY VALVE

-  EPDM or FPM seal
-  AISI1316 Stainless steel shaft
-  Patented offset disc allowing greater flow rates
-  Minimal pressure drop across the valve
-  19 operating positions for accurate flow regulation
-  Ready to actuate in accordance to ISO5211
-  Control options Handle, Gearbox, Pneumatic or Electric actuators.
-  T series temperature range -15 to +95

PVCu - Metric

PVCu Butterfly Valves

Maximum working pressure: 10 bar

Pro Flow H Series EPDM seals

Code: PSPRO



Nominal Size	Code	Price each
75	RBAPFH0750	£204.75
90	RBAPFH0900	£232.20
110	RBAPFH1100	£253.55
125 - 140	RBAPFH1400*	£283.50
160	RBAPFH1600*	£348.35
200 - 225	RBAPFH2250*	£597.65

*Available in 2018

Pro Flow P Series EPDM Seals

Code: PSPRO



Nominal Size	Code	Price each
75	RBAPFP0750	£366.50
90	RBAPFP0900	£398.90
110	RBAPFP1100	£447.50
140	RBAPFP400*	£483.50
160	RBAPFP1600*	£593.75
225	RBAPFP2250*	£822.80

*Available in 2018

Pro Flow P Series FPM Seals

Code: PSPRO



Nominal Size	Code	Price each
75	RBAPFP0750F	£485.50
90	RBAPFP0900F	£598.30
110	RBAPFP1100F	£723.15
140	RBAPFP1400F*	£753.15
160	RBAPFP1600F*	£998.70
225	RBAPFP2250F*	£1,451.65

*Available in 2018

Pro Flow H Series Butterfly Valve—Complete EPDM O rings

Code: PSAQU



Nominal Size	Code	Price each
75	RBIFBH0750	£286.30
90	RBIFBH0900	£348.85
110	RBIFBH1100	£370.00
140	RBIFBH1400*	£461.00
160	RBIFBH1600*	£506.90
200-225	RBIFBH2250*	£707.40

*Available in 2018

Pro Flow P Series Butterfly Valve—Complete EPDM or FPM seals

Code: PSAQU



Nominal Size	Code	Price each
75	RBIFBP0750	£455.00
90	RBIFBP0900	£520.35
110	RBIFBP1100	£582.60
140	RBIFBP1400*	£624.15
160	RBIFBP1600*	£750.60
200-225	RBIFBP2250*	£1,032.50

Prices shown are for one item excluding VAT

PVCu Metric Solvent Cement Fittings

Valves up to 140mm 10 bar (20°C), above 140mm 6 bar (20°C)

Butterfly Valve—Water Supply Hand Operated EPDM Seals

Code: PSPVV



Discontinued - Available whilst stocks last

Nominal Size	Code	Price each
75	RBA15A0750	£248.31
90	RBA15A0900	£287.71
110	RBA15A1100	£305.11
125	RBA15A1250	£330.65
140	RBA15A1400	£354.39
160	RBA15A1600	£417.99
225	RBA15A2250	£496.23

Swing Check Valve EPDM Seals

Code: PSAQU



Nominal Size	Code	Price each
75	RBA73A0750	£119.71
90	RBA73A0900	£142.60
110	RBA73A1100	£173.69
140	RBA73A1400	£202.57
160	RBA73A1600	£243.71

Swing Check Valve with Spring EPDM Seals

Code: PSAQU



Nominal Size	Code	Price each
75	RBA74A0750	£126.90
90	RBA74A0900	£151.16
110	RBA74A1100	£184.12
140	RBA74A1400	£214.71
160	RBA74A1600	£258.33

Prices shown are for one item excluding VAT

PVCu Electrically Actuated Double Union Ball Valves (220-240 volt) (110 volt)

Electrically Actuated Double Union Ball Valve—Plain Sockets EPDM Seals

Code: PSPVV




Nominal Size	Code	Price each
20	RB124I0200	£1,527.28
25	RB124I0250	£1,550.83
32	RB124I0320	£1,806.90
40	RB124I0400	£1,847.67
50	RB124I0500	£1,902.29
63	RB124I0630	£1,960.57
75	RB124I0750	£3,321.94
90	RB124I0900	£3,700.44
110	RB124I1100	£4,130.80

Prices shown are for one item excluding VAT

PVCu Electrically Actuated Double Union Ball Valves (220-240 volt) (110 volt)


Electrically Actuated Double Union Ball Valve—Plain Sockets FPM Seals

Code: PSPVV	Nominal Size	Code	Price each
	20	RBI25I0200	£1,550.83
	25	RBI25I0250	£1,714.07
	32	RBI25I0320	£1,606.00
	40	RBI25I0400	£1,645.39
	50	RBI25I0500	£1,700.34
	63	RBI25I0630	£1,763.43
	75	RBI25I0750	£3,475.53
	90	RBI25I0900	£3,869.63
	110	RBI25I1100	£4,281.60


Prices shown are for one item excluding VAT

PVCu Pneumatically Actuated Double Union Ball Valves Fail Safe Closed

Plain Sockets EPDM Seals

Code: PSPVV	Nominal Size	Code	Price each
	20	RBI26I0200	£804.91
	25	RBI26I0250	£817.16
	32	RBI26I0320	£966.16
	40	RBI26I0400	£1,041.07
	50	RBI26I0500	£1,083.36
	63	RBI26I0630	£1,134.82
	75	RBI26I0750	£2,185.83
	90	RBI26I0900	£2,325.04
	110	RBI26I1100	£2,422.96

FPM seals


Code: PSPVV	Nominal Size	Code	Price each
	20	RBI27I0200	£817.16
	25	RBI27I0250	£833.55
	32	RBI27I0320	£862.21
	40	RBI27I0400	£931.53
	50	RBI27I0500	£976.55
	63	RBI27I0630	£1,037.83
	75	RBI27I0750	£2,295.12
	90	RBI27I0900	£2,463.79
	110	RBI27I1100	£2,659.00

Prices shown are for one item excluding VAT

PVCu Pneumatically Actuated Double Union Ball Valves Fail Safe Closed

Fail Safe Closed


Electrically Actuated Butterfly Valve EDPM

Code: PSAQU	Nominal Size	Code	Price each
	63-75	RBI90I0750	£1,838.93
	90	RBI90I0900	£1,884.24
	110	RBI90I1100	£1,931.50
	125	RBI90I1250	£2,269.21
	140	RBI90I1400	£2,298.73
	160	RBI90I1600	£2,345.86
	200-225	RBI90I2250	£4,477.29
	315	RBI90I3150	£3,284.49


Prices shown are for one item excluding VAT

PVCu actuated butterfly valves EDPM


Electrically Actuated Butterfly Valve FPM

Code: PSAQU	Nominal Size	Code	Price each
	63-75	RBI91I0750	£1,838.93
	90	RBI91I0900	£1,884.24
	110	RBI91I1100	£1,931.50
	125	RBI91I1250	£2,269.21
	140	RBI91I1400	£2,298.73
	160	RBI91I1600	£2,345.86
	200-225	RBI91I2250	£2,350.95
	315	RBI91I3150	£3,284.49

Pneumatic Single Acting/Spring Return Butterfly Valve EDPM

Code: PSAQU	Nominal Size	Code	Price each
	63-75	RBI92I0750	£1,410.19
	90	RBI92I0900	£1,455.82
	110	RBI92I1100	£1,517.76
	125	RBI92I1250	£1,609.09
	140	RBI92I1400	£1,656.23
	160	RBI92I1600	£2,023.18
	200-225	RBI92I2250	£2,605.18

Pneumatic Single Acting/Spring Return Butterfly Valve FPM


Code: PSAQU	Nominal Size	Code	Price each
	63-75	RBI93I0750	£1,427.77
	90	RBI93I0900	£1,562.28
	110	RBI93I1100	£1,741.08
	125	RBI93I1250	£1,715.40
	140	RBI93I1400	£1,845.46
	160	RBI93I1600	£2,231.74
	200-225	RBI93I2250	£3,050.04

Prices shown are for one item excluding VAT


PVCu - Metric

PVCu actuated butterfly valves EDPM

Pneumatic Double Acting Butterfly Valve FPM

Code: PSAQU	Nominal Size	Code	Price each
	63-75	RBI94I0750	£1,198.67
	90	RBI94I0900	£1,237.50
	110	RBI94I1100	£1,290.06
	125	RBI94I1250	£1,367.75
	140	RBI94I1400	£1,407.80
	160	RBI94I1600	£1,719.65
	200-225	RBI94I2250	£2,214.46

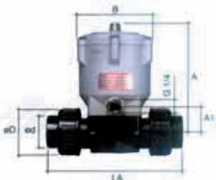
Pneumatic Double Acting Butterfly Valve EDPM

Code: PSAQU	Nominal Size	Code	Price each
	63-75	RBI95I0750	£1,213.60
	90	RBI95I0900	£1,327.95
	110	RBI95I1100	£1,479.90
	125	RBI95I1250	£1,458.05
	140	RBI95I1400	£1,568.70
	160	RBI95I1600	£1,896.98
	200-225	RBI95I2250	£2,592.56


Prices shown are for one item excluding VAT

Diaphragm Valves


Diaphragm Valves Pneumatically Actuated (please specify when ordering "Normally Open" or "Normally Closed")

Code: PSAQU	Nominal Size	Code	Price each
	20	RBI46I0200	£338.68
	25	RBI46I0250	£361.92
	32	RBI46I0320	£385.18
	40	RBI46I0400	£569.41
	50	RBI46I0500	£753.64
	63	RBI46I0630	£843.44

Diaphragm Valves Manually Operated

Code: PSAQU	Nominal Size	Code	Price each
	20	RBI47I0200	£164.25
	25	RBI47I0250	£183.24
	32	RBI47I0320	£202.52
	40	RBI47I0400	£285.09
	50	RBI47I0500	£368.54
	63	RBI47I0630	£411.70


Angle Seat Globe Valves Plastic

Code: PSAQU	Nominal Size	Code	Price each
	20	RBI45I0200	£304.03
	25	RBI45I0250	£368.89
	32	RBI45I0320	£368.89
	63	RBI45I0630	£493.74

Prices shown are for one item excluding VAT

Diaphragm Valves


Diaphragm Valve

Code: PSAQU	Nominal Size	Code	Price each
	40	RBI41I0400	£63.60
	50	RBI41I0500	£69.89
	63	RBI41I0630	£80.24
	1" x 1 1/4"	RBA41A032E	£77.46
	1 1/4"	RBA41A040E	£206.59

Prices shown are for one item excluding VAT

Pressure Relief Valve

Pressure Relief Valve
(operates between 0.5 and 6.5 bar) EPDM Seals

Code: PSAQU	Nominal Size	Code	Price each
	1/2" - 20mm	RBAPRV0200	£518.98
	3/4" - 25mm	RBAPRV0250	£560.07
	1" - 32mm	RBAPRV0320	£567.02
	1 1/4" - 40mm	RBAPRV0400	£709.95
	1 1/2" - 50mm	RBAPRV0500	£822.06
	2" - 63mm	RBAPRV0630	£946.66

Up-rated spring available to increase maximum pressure to 10 bar. Add to the list price as stated above.


£55.53

- Available in PVCu, ABS, PVCC, PP and PVDF.
- Diaphragms available in natural rubber, EDPM and FPM (Viton)
- Bi-Directional Design
- No metal parts in contact with line media
- Can be preset
- Can be installed in any position
- Also works as a Pressure Sustaining Valve
- Minimum set pressure 0.5 Bar (7 PSI) and maximum set pressure 6.8 Bar (100 PSI)
- Easily adjusted on site
- Connections Male Spigot: PVCu Imperial or Metric, ABS - Imperial, PVCC Metric, PP Metric, PVDF Metric.
- Mounting inserts provided in base as standard


Prices shown are for one item excluding VAT

PVCu Threaded Pipe

Pressure Pipe Class 7
(machining quality max. 12 bar at 20°C)

Code: PSPVP	Nominal Size	Code	Price per metre	Price each
	½"	RP7CL70200PE3	£4.26	£12.78
	¾"	RP7CL70250PE3	£5.77	£17.31
	1"	RP7CL70320PE3	£8.20	£24.60
	1¼"	RP7CL70400PE3	£11.42	£34.26
	1½"	RP7CL70500PE3	£13.93	£41.80
	2"	RP7CL70630PE3	£19.02	£57.05

Pressure Pipe Class 7
(machining quality max. 12 bar at 20°C)


Code: PSPVP	Nominal Size	Code	Price per metre	Price each
	½"	RP7CL70200PE	£4.26	£25.54
	¾"	RP7CL70250PE	£5.77	£34.62
	1"	RP7CL70320PE	£8.20	£49.18
	1¼"	RP7CL70400PE	£11.42	£68.53
	1½"	RP7CL70500PE	£13.94	£83.61
	2"	RP7CL70630PE	£19.02	£114.10

Prices shown are for one item excluding VAT


PVCu Threaded Fittings

Suitable for use with class 7 threaded pipe max. 12 bar (20°C).
For gaskets see Accessories section

Socket BSP Female Threaded


Code: PSPVF	Nominal Size	Code	Price each
	¾"	RFFMAF0160	£8.77
	½"	RFFMAF0200	£9.12
	¾"	RFFMAF0250	£10.28
	1"	RFFMAF0320	£12.30
	1¼"	RFFMAF0400	£16.90
	1½"	RFFMAF0500	£19.51
	2"	RFFMAF0630	£23.38
	2½"	RFFMAF0750	£51.52
	3"	RFFMAF0900	£65.91
	4"	RFFMAF1100	£116.25

Union BSP Female Threaded


Code: PSPVF	Nominal Size	Code	Price each
	¾"	RFFBOF0160	£15.21
	½"	RFFBOF0200	£20.08
	¾"	RFFBOF0250	£21.75
	1"	RFFBOF0320	£31.00
	1¼"	RFFBOF0400	£38.21
	1½"	RFFBOF0500	£53.64
	2"	RFFBOF0630	£75.56
	2½"	RFFBOF0750	£119.57
	3"	RFFBOF0900	£173.49
	4"	RFFBOF1100	£234.60

*Unions above 2" 10 bar

Barrel Nipple BSP Male Taper Threaded

Code: PSPVF	Nominal Size	Code	Price each
	¾"	RFFBAF0160	£5.13
	½"	RFFBAF0200	£5.39
	¾"	RFFBAF0250	£6.01
	1"	RFFBAF0320	£8.07
	1¼"	RFFBAF0400	£10.88
	1½"	RFFBAF0500	£11.36
	2"	RFFBAF0630	£15.20
	2½"	RFFBAF0750	£34.10
	3"	RFFBAF0900	£39.08
	4"	RFFBAF1100	£52.87

Hexagon Nipple BSP Male Threaded/BSP Male Threaded

Code: PSPVF	Nominal Size	Code	Price each
	¾"	RFFNIF0160	£4.27
	½"	RFFNIF0200	£4.46
	¾"	RFFNIF0250	£5.64
	1"	RFFNIF0320	£7.67
	1¼"	RFFNIF0400	£10.46
	1½"	RFFNIF0500	£11.36
	2"	RFFNIF0630	£14.45
	2½"	RFFNIF0750	£25.82
	3"	RFFNIF0900	£37.03
	4"	RFFNIF1100	£52.60

Prices shown are for one item excluding VAT

PVCu - Threaded

PVCu Threaded Fittings

Suitable for use with class 7 threaded pipe max.12 bar (20°C).
For gaskets see Accessories section

Elbow 90° BSP Female Threaded

Code: PSPVF



Nominal Size	Code	Price each
3/8"	RFFGOF0160	£8.51
1/2"	RFFGOF0200	£8.77
3/4"	RFFGOF0250	£9.12
1"	RFFGOF0320	£11.29
1 1/4"	RFFGOF0400	£20.00
1 1/2"	RFFGOF0500	£23.41
2"	RFFGOF0630	£34.81
2 1/2"	RFFGOF0750	£59.73
3"	RFFGOF0900	£90.61
4"	RFFGOF1100	£129.55

Elbow 45° BSP Female Threaded

Code: PSPVF



Nominal Size	Code	Price each
3/8"	RFFGYF0160	£6.62
1/2"	RFFGYF0200	£8.20
3/4"	RFFGYF0250	£8.84
1"	RFFGYF0320	£11.88
1 1/4"	RFFGYF0400	£18.03
1 1/2"	RFFGYF0500	£24.03
2"	RFFGYF0630	£35.47
2 1/2"	RFFGYF0750	£58.72
3"	RFFGYF0900	£86.67
4"	RFFGYF1100	£95.76

Tee 90° BSP Female Threaded

Code: PSPVF



Nominal Size	Code	Price each
3/8"	RFFTIF0160	£6.41
1/2"	RFFTIF0200	£7.56
3/4"	RFFTIF0250	£9.71
1"	RFFTIF0320	£13.04
1 1/4"	RFFTIF0400	£23.28
1 1/2"	RFFTIF0500	£30.16
2"	RFFTIF0630	£50.68
2 1/2"	RFFTIF0750	£72.11
3"	RFFTIF0900	£103.49
4"	RFFTIF1100	£172.37

Reducing Piece BSP Female Threaded/BSP Female Threaded

Code: PSPVF



Nominal Size	Code	Price each
1/2" x 3/8"	RFFMRF020A	£7.41
3/4" x 1/2"	RFFMRF025B	£8.44
1" x 3/4"	RFFMRF032C	£10.01
1 1/4" x 1"	RFFMRF040D	£13.56
1 1/2" x 1 1/4"	RFFMRF050E	£15.70
2" x 1 1/2"	RFFMRF063F	£19.30
2 1/2" x 2"	RFFMRF075G	£41.50
3" x 2 1/2"	RFFMRF090H	£53.15
4" x 3"	RFFMRF110I	£92.32

Prices shown are for one item excluding VAT

PVCu Threaded Fittings

Suitable for use with class 7 threaded pipe max.12 bar (20°C).
For gaskets see Accessories section

Reducing Piece BSP Female Threaded/BSP Male Threaded

Code: PSPVF



Nominal Size	Code	Price each
1/2" x 3/8"	RFFMGF020A	£7.41
3/4" x 1/2"	RFFMGF025B	£8.44
1" x 3/4"	RFFMGF032C	£13.56
1 1/4" x 1"	RFFMGF040D	£16.30
1 1/2" x 1 1/4"	RFFMGF050E	£16.64
2" x 1 1/2"	RFFMGF063F	£19.30
2 1/2" x 2"	RFFMGF075G	£41.50
3" x 2 1/2"	RFFMGF090H	£53.15
4" x 3"	RFFMGF110I	£92.32

Reducing Piece BSP Male Threaded/BSP Female Threaded

Code: PSPVF




Nominal Size	Code	Price each
1/2" x 3/8"	RFFRIF020A	£4.27
3/4" x 3/8"	RFFRIF025A	£6.41
3/4" x 1/2"	RFFRIF025B	£6.41
1" x 3/8"	RFFRIF032A	£8.59
1" x 1/2"	RFFRIF032B	£8.59
1" x 3/4"	RFFRIF032C	£8.59
1 1/4" x 1/2"	RFFRIF040B	£10.35
1 1/4" x 3/4"	RFFRIF040C	£10.35
1 1/4" x 1"	RFFRIF040D	£10.35
1 1/2" x 3/4"	RFFRIF050C	£12.52
1 1/2" x 1"	RFFRIF050D	£12.52
1 1/2" x 1 1/4"	RFFRIF050E	£12.52
2" x 1"	RFFRIF063D	£20.08
2" x 1 1/4"	RFFRIF063E	£20.08
2" x 1 1/2"	RFFRIF063F	£20.08
2 1/2" x 1 1/4"	RFFRIF075E	£26.88
2 1/2" x 1 1/2"	RFFRIF075F	£26.88
2 1/2" x 2"	RFFRIF075G	£26.88
3" x 1 1/2"	RFFRIF090F	£33.41
3" x 2"	RFFRIF090G	£33.41
3" x 2 1/2"	RFFRIF090H	£33.41
4" x 2"	RFFRIF110G	£53.87
4" x 2 1/2"	RFFRIF110H	£53.87
4" x 3"	RFFRIF110I	£53.87

Prices shown are for one item excluding VAT


PVCu Threaded Fittings

Suitable for use with class 7 threaded pipe max.12 bar (20°C).
For gaskets see Accessories section


Reducing Nipple BSP Male Threaded/BSP Male Threaded

Code: PSPVF	Nominal Size	Code	Price each
	1/2" x 3/8"	RFFNRF020A	£4.27
	3/4" x 1/2"	RFFNRF025B	£6.41
	1" x 3/4"	RFFNRF032C	£8.59
	1 1/4" x 1"	RFFNRF040D	£10.24
	1 1/2" x 1 1/4"	RFFNRF050E	£12.75
	2" x 1 1/2"	RFFNRF063F	£20.08
	2 1/2" x 2"	RFFNRF075G	£26.88
	3" x 2 1/2"	RFFNRF090H	£33.41
	4" x 3"	RFFNRF110I	£53.87


Reducing Bush BSP Male Threaded/BSP Female Threaded

Code: PSPVF	Nominal Size	Code	Price each
	3/4" x 1/2"	RFFRCF025B	£5.73
	1" x 3/4"	RFFRCF032C	£7.67
	1 1/4" x 1"	RFFRCF040D	£17.01
	1 1/2" x 1 1/4"	RFFRCF050E	£18.28
	2" x 1 1/2"	RFFRCF063F	£23.86
	2 1/2" x 2"	RFFRCF075G	£26.36
	3" x 2 1/2"	RFFRCF090H	£32.35
	4" x 3"	RFFRCF110I	£52.81

Full Face Flange Drilled to BS 4504 NP10/16 BSP Female Threaded

Code: PSPVF	Nominal Size	Code	Price each
	1/2"	RFFFFF0200	£15.83
	3/4"	RFFFFF0250	£16.47
	1"	RFFFFF0320	£18.64
	1 1/4"	RFFFFF0400	£21.13
	1 1/2"	RFFFFF0500	£24.67
	2"	RFFFFF0630	£32.17
	2 1/2"	RFFFFF0750	£54.54
	3"	RFFFFF0900	£60.75
	4"	RFFFFF1100	£81.01

Blanking Flange Drilled to BS4504 NP10/16. Operating Pressure Show at 20°C


Code: PSPVF	Nominal Size	Code	Price each
	20	RFIFCI0200	£30.41
	25	RFIFCI0250	£34.60
	32	RFIFCI0320	£44.62
	40	RFIFCI0400	£46.98
	50	RFIFCI0500	£50.79
	63	RFIFCI0630	£56.85
	75	RFIFCI0750	£85.16
	90	RFIFCI0900	£100.49
	110	RFIFCI1100	£129.26
	125	RFIFCI1250	£136.86

Prices shown are for one item excluding VAT

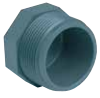
PVCu Threaded Fittings

Suitable for use with class 7 threaded pipe max.12 bar (20°C).
For gaskets see Accessories section


Blanking Flange Drilled to BS4504 NP10/16. Operating Pressure Show at 20°C

Code: PSPVF	Nominal Size	Code	Price each
	140	RFIFCI1400	£201.97
	160	RFIFCI1600	£226.92
	200	RFIFCI2000	£253.76
	225	RFIFCI2250	£420.76


Plug BSP Male Threaded

Code: PSPVF	Nominal Size	Code	Price each
	3/8"	RFFTAF0160	£4.27
	1/2"	RFFTAF0200	£5.39
	3/4"	RFFTAF0250	£6.25
	1"	RFFTAF0320	£7.67
	1 1/4"	RFFTAF0400	£10.35
	1 1/2"	RFFTAF0500	£13.04
	2"	RFFTAF0630	£14.07
	2 1/2"	RFFTAF0750	£30.41
	3"	RFFTAF0900	£43.15
	4"	RFFTAF1100	£78.63

Cap BSP Female Threaded

Code: PSPVF	Nominal Size	Code	Price each
	3/8"	RFFCAF0160	£6.98
	1/2"	RFFCAF0200	£9.12
	3/4"	RFFCAF0250	£10.35
	1"	RFFCAF0320	£11.05
	1 1/4"	RFFCAF0400	£11.39
	1 1/2"	RFFCAF0500	£15.20
	2"	RFFCAF0630	£18.99
	2 1/2"	RFFCAF0750	£48.87
	3"	RFFCAF0900	£56.95
	4"	RFFCAF1100	£64.89

Backnut BSP Female Threaded


Code: PSPVF	Nominal Size	Code	Price each
	1/2"	RFFNUF0200	£3.44
	3/4"	RFFNUF0250	£3.68
	1"	RFFNUF0320	£6.47
	1 1/4"	RFFNUF0400	£14.38
	1 1/2"	RFFNUF0500	£15.59
	2"	RFFNUF0630	£17.52
	2 1/2"	RFFNUF0750	£22.44
	3"	RFFNUF0900	£25.21
	4"	RFFNUF1100	£31.73

Prices shown are for one item excluding VAT

PVCu - Threaded

PVCu Threaded Fittings


Suitable for use with class 7 threaded pipe max.12 bar (20°C).
For gaskets see Accessories section


Hose Adaptor BSP Male Threaded/Spigot Serrated			
Code: PSPVF	Nominal Size	Code	Price each
	3/8" x 16	RFFPGF016A	£4.92
	1/2" x 20	RFFPGF020B	£5.14
	3/4" x 25	RFFPGF025C	£6.80
	1" x 32	RFFPGF032D	£8.08
	1 1/4" x 40	RFFPGF040E	£11.83
	1 1/2" x 50	RFFPGF050F	£14.11
	2" x 63	RFFPGF063G	£21.78

Prices shown are for one item excluding VAT

PVCu Threaded Union Valves

Maximum working pressure for valves 1/2" – 2" 16 bar, for valves 2 1/2" – 4" 10 bar at 20°C


Industrial Double Union Ball Valve BSP Female Threaded Sockets EPDM Seals			
Code: PSPVV	Nominal Size	Code	Price each
	3/8"	RBF22F0160	£44.96
	1/2"	RBF22F0200	£52.37
	3/4"	RBF22F0250	£63.15
	1"	RBF22F0320	£74.11
	1 1/4"	RBF22F0400	£96.03
	1 1/2"	RBF22F0500	£121.59
	2"	RBF22F0630	£174.03
	2 1/2"	RBF22F0750	£336.86
	3"	RBF22F0900	£392.00
	4"	RBF22F1100	£563.34


Industrial Double Union Ball Valve BSP Female Threaded Sockets FPM Seals			
Code: PSPVV	Nominal Size	Code	Price each
	3/8"	RBF23F0160	£59.02
	1/2"	RBF23F0200	£67.29
	3/4"	RBF23F0250	£77.57
	1"	RBF23F0320	£103.60
	1 1/4"	RBF23F0400	£128.43
	1 1/2"	RBF23F0500	£126.36
	2"	RBF23F0630	£193.69
	2 1/2"	RBF23F0750	£438.61
	3"	RBF23F0900	£551.44
	4"	RBF23F1100	£573.67

Prices shown are for one item excluding VAT

PVCu Manual Ball Valves-Water Supply

Maximum working pressure for valves 1/2" – 2" 16 bar, for valves 2 1/2" – 4" 10 bar at 20°C


Double Union Ball Valve BSP Female Threaded Sockets EPDM Seals			
Code: PSPVV	Nominal Size	Code	Price each
	3/8"	RBF21F0160	£15.22
	1/2"	RBF21F0200	£17.45
	3/4"	RBF21F0250	£18.71
	1"	RBF21F0320	£27.24
	1 1/4"	RBF21F0400	£34.06
	1 1/2"	RBF21F0500w	£40.05
	2"	RBF21F0630	£70.99
	2 1/2"	RBF21F0750	£218.04
	3"	RBF21F0900	£289.97
	4"	RBF21F1100	£382.21

Single Union Ball Valve BSP Female Threaded Sockets EPDM Seals			
Code: PSPVV	Nominal Size	Code	Price each
	3/8"	RBF11F0160	£10.79
	1/2"	RBF11F0200	£13.73
	3/4"	RBF11F0250	£15.43
	1"	RBF11F0320	£19.23
	1 1/4"	RBF11F0400	£24.54
	1 1/2"	RBF11F0500	£36.02
	2"	RBF11F0630	£60.53
	2 1/2"	RBF11F0750	£143.09
	3"	RBF11F0900	£174.88
	4"	RBF11F1100	£273.03

Prices shown are for one item excluding VAT

PVCu Check Valves

Maximum working pressure for valves 1/2" – 2" 16 bar, for valves 2 1/2" – 4" 10 bar at 20°C


Check Valve BSP Female Threaded Sockets with Stainless Steel Spring EPDM Seals			
Code: PSPVV	Nominal Size	Code	Price each
	3/8"	RBF30F0160	£37.45
	1/2"	RBF30F0200	£38.61
	3/4"	RBF30F0250	£46.11
	1"	RBF30F0320	£49.07
	1 1/4"	RBF30F0400	£56.99
	1 1/2"	RBF30F0500	£81.53
	2"	RBF30F0630	£107.25
	2 1/2"	RBF30F0750	£259.69
	3"	RBF30F0900	£334.50
	4"	RBF30F1100	£588.51

Prices shown are for one item excluding VAT


PVCu Check Valves

Maximum working pressure for valves ½" – 2" 16 bar, for valves 2 ½" – 4" 10 bar at 20°C

Check Valve BSP Female Threaded Sockets with PTFE Coated Spring EPDM Seals

Code: PSPVV	Nominal Size	Code	Price each
	⅜"	RBF31F0160	£57.79
	½"	RBF31F0200	£57.84
	¾"	RBF31F0250	£64.76
	1"	RBF31F0320	£67.62
	1¼"	RBF31F0400	£78.84
	1½"	RBF31F0500	£103.04
	2"	RBF31F0630	£131.79
	2½"	RBF31F0750	£298.78
	3"	RBF31F0900	£375.59


Check Valve BSP Female Threaded Sockets with PTFE Coated Spring FPM Seals

Code: PSPVV	Nominal Size	Code	Price each
	⅜"	RBF34F0160	£73.77
	½"	RBF34F0200	£77.40
	¾"	RBF34F0250	£85.66
	1"	RBF34F0320	£90.55
	1¼"	RBF34F0400	£104.96
	1½"	RBF34F0500	£133.82
	2"	RBF34F0630	£171.64
	2½"	RBF34F0750	£389.92
	3"	RBF34F0900	£493.40

Prices shown are for one item excluding VAT

PVCu Air Release Valves

Air Release Valve BSP Female Threaded Sockets with EPDM Seals


Code: PSPVV	Nominal Size	Code	Price each
	⅜"	RBF33F0160	£33.14
	½"	RBF33F0200	£34.65
	¾"	RBF33F0250	£41.40
	1"	RBF33F0320	£44.44
	1¼"	RBF33F0400	£48.49
	1½"	RBF33F0500	£71.34
	2"	RBF33F0630	£93.58
	2½"	RBF33F0750	£226.56
	3"	RBF33F0900	£294.18
	4"	RBF33F1100	£650.47

Prices shown are for one item excluding VAT

PVCu Check Valves

Maximum working pressure for valves 16–63 (½"–2") 16 bar (232 psi), for valves 75–110 (2½"–4") 10 bar (145 psi) at 20°C

Diaphragm Valve BSP Female Threaded Sockets EPDM Seals

Code: PSPRA	Nominal Size	Code	Price each
	½"	RBF40F0200	£177.78
	¾"	RBF40F0250	£198.76
	1"	RBF40F0320	£242.92
	1¼"	RBF40F0400	£320.40
	1½"	RBF40F0500	£412.45
	2"	RBF40F0630	£494.24

Prices shown are for one item excluding VAT

PVCu - Threaded

ABS Pipe Systems

ABS (Acrylonitrile Butadiene Styrene) is highly rated as a thermoplastic pipework system and is used in many applications such as food and beverage processing as well as water and sewerage treatment and many other industries.

ABS has good chemical resistance with high impact strength.

ABS is non toxic and conforms to the toxicological requirements of the British Plastic Federation, British Industrial Biological Research Association Code of Practice for food usage 45/5.

It also fulfils the EEC requirements for plastic materials in contact with foodstuffs.

ABS systems are lightweight, rigid and easy to install using a solvent cement.

Colour

ABS products are recognised by their light grey colour.

Chemical Resistance

Polypipe Effast ABS has good resistance to most diluted inorganic acids, salts, animal fats and oils and organic acids. It is not resistant to organic solvents, alcohol, petrol, acetic acid or vegetable oils. Recommendations can be given by our Technical Department regarding the resistance of ABS to specific chemicals.

Standards

Individual products are in compliance with appropriate British Standards:

Fittings (inch size) BS 5392 Part 1

Pipe (inch size) BS 5391

Threaded fittings BS 21, DIN 2999, ISO7

Solvent Cement BS 4346 Part 3

Imperial and Metric Sizes

The following notes may be helpful to those unfamiliar with the different ways of describing metric and imperial sizes when specifying pipe or fittings.

When specifying Imperial pipe fittings and other components reference is made to the nominal size of the pipe bore in inches and fractions of an inch.

Metric Systems are specified by reference to the outside diameter of the pipe expressed in millimetres.

As a general guide the following table gives a comparison between metric and imperial sizes up to 8 inches. It is important to understand that metric sizes are not simply inch sizes which have been converted into millimetres and called metric. The actual equivalents are slightly different (except for Imperial size 2 1/2 inches and metric size 75mm and 5 inches and 140mm which happen to coincide exactly) and are not interchangeable.

Imperial Sizes (inches)		Metric Sizes (mm)	
Nominal bore	Pipe outside dia.	Pipe outside dia.	Nominal bore
3/8"	17.1	16	10
1/2"	21.4	20	15
3/4"	26.7	25	20
1"	33.6	32	25
1 1/4"	42.2	40	32
1 1/2"	48.3	50	40
2"	60.3	63	50
2 1/2"	75.2	75	65
3"	88.9	90	80
4"	114.3	110	100
5"	140.2	140	125
6"	168.3	160	150
8"	219.1	225	200

Temperature and Pressure

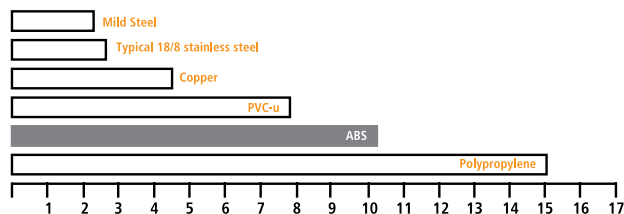
It is suitable for use over a wide temperature range from -40°C to +60°C at pressures up to 15 bar. Please consult the temperature/pressure relationship chart for specific ratings. It is important to remember that if the temperature is increased above 20°C then the pressure must be reduced.

ABS in sub-zero temperatures

ABS Pipe systems are suitable for temperatures as low as -40°C, however it is necessary as with any other pipeline to take preventative measures to ensure the pipeline fluid does not freeze, as freezing would cause subsequent damage to the system.

Thermal expansion

The thermal coefficient of linear expansion for ABS is $10.1 \times 10^{-5} \text{m/m} \cdot ^\circ\text{C}$. It is necessary in certain situations to make special provision for this expansion and contraction. Thermal expansion of ABS is compared with other materials, in the following chart.



General Information

-40°C to +60°C

Size range

Imperial Solvent weld
Threaded

Temperature range

1/2" – 8"
1/2" – 4"



WRAS Approval

Water Regulations Advisory Scheme.
Approved product for potable water



Kite Mark Licence
Fittings No. KM 60041

Pressure Ratings Fittings & Valves Imperial

Unless otherwise indicated the pressure ratings are as follows

PRODUCT	SIZE	PRESSURE RATING
Fitting Solvent Cement	1/2" – 6"	15 bar (217psi)
8"	9 bar (130psi)	
Fittings Threaded	3/8" – 4"	10 bar (145psi)
Valves	3/8" – 2"	16 bar (232psi)
Valves	2 1/2" – 4"	10 bar (145psi)

All pressure ratings are at 20°C

All threaded fittings are parallel thread unless otherwise stated.

ie: BSP Female and BSP Male are Parallel

BSPT = Tapered Thread

Pressure Ratings Fittings & Valves Metric

Unless otherwise indicated the pressure ratings are as follows

PRODUCT	SIZE MM	PRESSURE RATING
Fitting Solvent Cement	16–160	16 bar (232psi)
200–225	10 bar (145psi)	
Valves	20–63	16 bar (232psi)
Valves	75–110	10 bar (145psi)

All pressure ratings are at 20°C

Temperature & Pressure Relationship

Temp°C	Class C		Class D		Class E	
	BAR	PSI	BAR	PSI	BAR	PSI
0	9.0	130	12.0	173	15.0	217
20	9.0	130	12.0	173	15.0	217
30	8.1	117	10.8	155	13.5	195
35	7.2	104	9.6	138	12.0	173
40	6.3	91	8.4	121	10.5	152
45	5.4	78	7.2	104	9.0	130
50	4.0	58	5.4	78	6.7	97
55	2.7	39	3.6	52	4.5	65
60	1.3	19	1.8	26	2.2	32

Sample Engineering specification

All ABS pipework and fittings shall be manufactured by EFAST and conform to BS 5391, BS 5392 Part 1.

Extruded pipework and injection moulded fittings have WRAS accreditation for potable water supply and are available in imperial sizes.



Useful Information

The following information may be helpful in understanding the specification of metric and imperial sizes and pressure ratings when selecting pipe.

When specifying imperial pipe, fittings and other components, reference is made to the nominal size of the pipe bore in inches and fractions of an inch. With metric systems, reference is made to the outside diameter and is expressed in millimetres. It is important to note that with the exception of 2½"/75mm and 5"/140mm the systems are not interchangeable.

Temperature and pressure relationship for ABS pipes


Temperature (°C)	Class C	Class E
	bar (psi)	bar (psi)
-40	9.0 (130)	15.0 (217)
-20	9.0 (130)	15.0 (217)
0	9.0 (130)	15.0 (217)
20	9.0 (130)	15.0 (217)
30	8.1 (117)	13.5 (195)
40	6.3 (91)	10.5 (152)
50	4.5 (65)	7.5 (108)
60	2.7 (39)	4.5 (65)


Imperial and metric size information


Imperial sizes		Metric sizes	
Nominal bore (inches)	Pipe outside diameter (mm)	Pipe outside diameter (mm)	Nominal bore (mm)
⅜"	17.1	16	10
½"	21.4	20	15
¾"	26.7	25	20
1"	33.6	32	25
1¼"	42.2	40	32
1½"	48.3	50	40
2"	60.3	63	50
2½"	75.2	75	65
3"	88.9	90	80
4"	114.3	110	100
5"	140.2	140	125
6"	168.3	160	150
8"	219.1	225	200


ABS Imperial Pressure Pipes

plain end

Pressure Pipe Class C / 3 Metre				
Code: PSABP	Nominal Size	Code	Price per metre	Price each
	1"	APCCLC03203	£7.22	£21.67
	1¼"	APCCLC04003	£12.13	£36.38
	1½"	APCCLC05003	£15.40	£46.20
	2"	APCCLC06303	£20.71	£62.13
	2½"	APCCLC07503	£35.85	£107.54
	3"	APCCLC09003	£42.84	£128.52
	4"	APCCLC11003	£70.41	£211.22
	6"	APCCLC16003	£147.94	£443.83
	8"	APCCLC22503	£296.31	£888.93

Pressure Pipe Class E / 3 Metre				
Code: PSABP	Nominal Size	Code	Price per metre	Price each
	½"	APECLE02003	£5.50	£16.49
	¾"	APECLE02503	£8.48	£25.44
	1"	APECLE03203	£11.18	£33.54
	1¼"	APECLE04003	£16.67	£50.01
	1½"	APECLE05003	£21.98	£65.94
	2"	APECLE06303	£27.58	£82.73
	3"	APECLE09003	£55.28	£165.83
	4"	APECLE11003	£89.03	£267.09

Pressure Pipe Class C / 6 Metre				
Code: PSABP	Nominal Size	Code	Price per metre	Price each
	1"	APCCLC0320	£7.22	£43.31
	1¼"	APCCLC0400	£12.13	£72.76
	1½"	APCCLC0500	£15.40	£92.39
	2"	APCCLC0630	£20.71	£124.26
	2½"	APCCLC0750	£35.85	£215.08
	3"	APCCLC0900	£42.84	£257.05
	4"	APCCLC1100	£70.40	£422.42
	6"	APCCLC1600	£147.95	£887.67
	8"	APCCLC2250	£296.31	£1,777.87

Pressure Pipe Class E / 6 Metre				
Code: PSABP	Nominal Size	Code	Price per metre	Price each
	½"	APECLE0200	£5.50	£32.99
	¾"	APECLE0250	£8.48	£50.89
	1"	APECLE0320	£11.18	£67.08
	1¼"	APECLE0400	£16.67	£100.01
	1½"	APECLE0500	£21.98	£131.88
	2"	APECLE0630	£27.58	£165.47
	3"	APECLE0900	£55.28	£331.66
	4"	APECLE1100	£89.03	£534.19

Prices shown are for one item excluding VAT


Sales and enquiries please contact: 01622 795 225

ABS - Imperial


ABS Solvent Cement Fittings

* Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section


Socket Plain

Code: PSABF	Nominal Size	Code	Price each
	½"	AFAMAA0200	£2.06
	¾"	AFAMAA0250	£2.33
	1"	AFAMAA0320	£2.63
	1¼"	AFAMAA0400	£4.53
	1½"	AFAMAA0500	£5.39
	2"	AFAMAA0630	£7.68
	2½"	AFAMAA0750	£16.59
	3"	AFAMAA0900	£30.54
	4"	AFAMAA1100	£43.48
	5"	AFAMAA1400	£84.39
	6"	AFAMAA1600	£108.26
	8"*	AFAMAA2250	£285.09


Union Plain

Code: PSABF	Nominal Size	Code	Price each
	½"	AFABOA0200	£10.61
	¾"	AFABOA0250	£11.53
	1"	AFABOA0320	£15.58
	1¼"	AFABOA0400	£19.01
	1½"	AFABOA0500	£26.16
	2"	AFABOA0630	£34.17
	2½"*	AFABOA0750	£82.69
	3"*	AFABOA0900	£126.51
	4"*	AFABOA1100	£170.40

Elbow 90° Plain

Code: PSABF	Nominal Size	Code	Price each
	½"	AFAGOA0200	£2.74
	¾"	AFAGOA0250	£3.28
	1"	AFAGOA0320	£4.47
	1¼"	AFAGOA0400	£7.68
	1½"	AFAGOA0500	£9.91
	2"	AFAGOA0630	£14.96
	2½"	AFAGOA0750	£28.79
	3"	AFAGOA0900	£43.16
	4"	AFAGOA1100	£64.38
	5"	AFAGOA1400	£148.48
	6"	AFAGOA1600	£258.09
	8"*	AFAGOA2250	£521.34

Elbow 45° Plain


Code: PSABF	Nominal Size	Code	Price each
	½"	AFAGYA0200	£5.23
	¾"	AFAGYA0250	£5.31
	1"	AFAGYA0320	£6.77
	1¼"	AFAGYA0400	£9.67
	1½"	AFAGYA0500	£12.15

Prices shown are for one item excluding VAT


ABS Solvent Cement Fittings

* Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section


Elbow 45° Plain

Code: PSABF	Nominal Size	Code	Price each
	2"	AFAGYA0630	£16.71
	2½"	AFAGYA0750	£26.40
	3"	AFAGYA0900	£39.25
	4"	AFAGYA1100	£81.56
	6"	AFAGYA1600	£169.33
	8"*	AFAGYA2250	£524.44

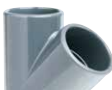
Bend 90° Short Radius Plain

Code: PSABF	Nominal Size	Code	Price each
	½"	AFACUA0200	£9.99
	¾"	AFACUA0250	£11.65
	1"	AFACUA0320	£16.31
	1¼"	AFACUA0400	£23.37
	1½"	AFACUA0500	£29.26
	2"	AFACUA0630	£52.63
	2½"	AFACUA0750	£80.76
	3"	AFACUA0900	£99.29
	4"	AFACUA1100	£208.44


Tee 90° Plain

Code: PSABF	Nominal Size	Code	Price each
	½"	AFATIA0200	£4.20
	¾"	AFATIA0250	£4.27
	1"	AFATIA0320	£5.99
	1¼"	AFATIA0400	£8.49
	1½"	AFATIA0500	£12.42
	2"	AFATIA0630	£19.01
	2½"	AFATIA0750	£32.83
	3"	AFATIA0900	£55.43
	4"	AFATIA1100	£81.38
	5"	AFATIA1400	£215.88
	6"	AFATIA1600	£284.37
	8"*	AFATIA2250	£582.95

Tee 45° Plain

Code: PSABF	Nominal Size	Code	Price each
	1"	AFATYA0320	£15.54
	1½"	AFATYA0500	£27.42
	2"	AFATYA0630	£48.80

Cross 90° Plain


Code: PSABF	Nominal Size	Code	Price each
	1"	AFACXA0320	£11.87
	1½"	AFACXA0500	£28.93
	2"	AFACXA0630	£70.43

Prices shown are for one item excluding VAT


ABS Solvent Cement Fittings

* Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section


Reducing Socket Plain

Code: PSABF	Nominal Size	Code	Price each
	1¼" x 1"	AFAMRA040D	£10.07
	1½" x 1¼"	AFAMRA050E	£12.17
	2" x 1½"	AFAMRA063F	£21.90
	4" x 3"	AFAMRA110I	£54.31

Reducing Bush Plain

Code: PSABF	Nominal Size	Code	Price each
	¾" x ½"	AFARCA025B	£2.07
	1" x ½"	AFARCA032B	£2.69
	1" x ¾"	AFARCA032C	£2.69
	1¼" x 1"	AFARCA040D	£3.48
	1½" x ¾"	AFARCA050C	£4.50
	1½" x 1"	AFARCA050D	£4.50
	1½" x 1¼"	AFARCA050E	£4.50
	2" x 1"	AFARCA063D	£6.02
	2" x 1¼"	AFARCA063E	£6.02
	2" x 1½"	AFARCA063F	£6.02
	2½" x 1½"	AFARCA075F	£10.69
	2½" x 2"	AFARCA075G	£10.69
	3" x 1½"	AFARCA090F	£18.47
	3" x 2"	AFARCA090G	£18.47
	3" x 2½"	AFARCA090H	£18.47
	4" x 2"	AFARCA110G	£23.06
	4" x 3"	AFARCA110I	£23.06
	5" x 4"	AFARCA140L	£66.56
	6" x 4"	AFARCA160L	£70.98
	8" x 6"*	AFARCA225M	£255.55

Stub Flange (Serrated Face) Plain


Code: PSABF	Nominal Size	Code	Price each
	½"	AFAQRA0200	£1.87
	1"	AFAQRA0320	£3.03
	1½"	AFAQRA0500	£8.11
	2"	AFAQRA0630	£12.42
	2½"	AFAQRA0750	£19.69
	3"	AFAQRA0900	£24.36
	4"	AFAQRA1100	£31.54
	5"	AFAQRA1400	£72.38
	6"	AFAQRA1600	£81.86
	8"*	AFAQRA2250	£214.85

Prices shown are for one item excluding VAT


ABS Solvent Cement Fittings

* Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section


Full Face Flange Drilled to BS 10 Table E Plain

Code: PSABF	Nominal Size	Code	Price each
	½"	AFAFFA0200	£9.35
	¾"	AFAFFA0250	£11.64
	1"	AFAFFA0320	£12.15
	1½"	AFAFFA0500	£16.88
	2"	AFAFFA0630	£29.21
	3"	AFAFFA0900	£41.85
	4"	AFAFFA110E	£55.78

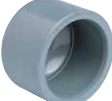
Full Face Flange Drilled to BS 4504 NP10/16 Plain

Code: PSABF	Nominal Size	Code	Price each
	½"	AFAFNA0200	£9.35
	¾"	AFAFNA0250	£11.64
	1"	AFAFNA0320	£13.97
	1¼"	AFAFNA0400	£16.33
	1½"	AFAFNA0500	£20.77
	2"	AFAFNA0630	£22.26
	2½"	AFAFNA0750	£37.30
	3"	AFAFNA0900	£41.85
	4"	AFAFNA1100	£55.78

Blanking Flange Drilled to BS4504 NP10/16

Code: PSABF	Nominal Size	Code	Price each
	2"	AFIFCI0630	£63.69
	3"	AFIFCI0900	£112.85
	4"	AFIFCI1100	£147.65
	6"	AFIFCI1600	£383.73

Cap Plain

Code: PSABF	Nominal Size	Code	Price each
	½"	AFACAA0200	£1.98
	¾"	AFACAA0250	£2.38
	1"	AFACAA0320	£2.69
	1¼"	AFACAA0400	£4.29
	1½"	AFACAA0500	£6.56
	2"	AFACAA0630	£8.58
	2½"	AFACAA0750	£21.43
	3"	AFACAA0900	£25.20
	4"	AFACAA1100	£53.73
	6"	AFACAA1600	£102.43
	8"*	AFACAA2250	£263.00


Prices shown are for one item excluding VAT

ABS - Imperial


ABS Solvent Cement Fittings

* Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section


Socket Plain/BSP Female Threaded

Code: PSABF	Nominal Size	Code	Price each
	½"	AFCMAC0200	£6.76
	¾"	AFCMAC0250	£7.49
	1"	AFCMAC0320	£9.35
	1¼"	AFCMAC0400	£14.61
	1½"	AFCMAC0500	£17.07
	2"	AFCMAC0630	£22.47
	3"	AFCMAC0900	£61.43


Socket Plain/BSP Female Threaded with Stainless Steel Reinforcing Ring

Code: PSABF	Nominal Size	Code	Price each
	½"	AFRMER0200	£8.48
	¾"	AFRMER0250	£9.16
	1"	AFRMER0320	£10.85
	1¼"	AFRMER0400	£15.80
	1½"	AFRMER0500	£18.80
	2"	AFRMER0630	£23.15


Adaptor Plain Male Spigot/BSP Female Threaded

Code: PSABF	Nominal Size	Code	Price each
	½"	AFAFC0200	£4.48
	¾"	AFAFC0250	£5.71
	1"	AFAFC0320	£7.93
	1¼"	AFAFC0400	£10.05
	1½"	AFAFC0500	£13.66
	2"	AFAFC0630	£19.08

Adaptor Plain Male Spigot/BSP Female Threaded with Stainless Steel Reinforcing Ring

Code: PSABF	Nominal Size	Code	Price each
	½"	AFRAER0200	£7.61
	¾"	AFRAER0250	£7.65
	1"	AFRAER0320	£9.60
	1¼"	AFRAER0400	£11.95
	1½"	AFRAER0500	£15.30
	2"	AFRAER0630	£20.24

Adaptor Female Plain/BSP Male Threaded

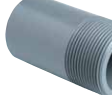
Code: PSABF	Nominal Size	Code	Price each
	½"	AFCAMC0200	£4.00
	¾"	AFCAMC0250	£5.22
	1"	AFCAMC0320	£7.19
	1¼"	AFCAMC0400	£9.90
	1½"	AFCAMC0500	£12.88
	2"	AFCAMC0630	£18.45
	3"	AFCAMC0900	£53.04
	4"	AFCAMC1100	£71.25

Prices shown are for one item excluding VAT


ABS Solvent Cement Fittings

* Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section


Barrel Nipple Plain/BSP Male Taper Threaded

Code: PSABF	Nominal Size	Code	Price each
	½"	AFCBNC0200	£4.96
	¾"	AFCBNC0250	£6.19
	1"	AFCBNC0320	£7.93
	1¼"	AFCBNC0400	£10.92
	1½"	AFCBNC0500	£14.94
	2"	AFCBNC0630	£20.62
	2½"	AFCBNC0750	£35.87
	3"	AFCBNC0900	£44.85
	4"	AFCBNC1100	£73.32


Composite Union Plain/BSP Female Brass Threaded with Plastic Nut

Code: PSABF	Nominal Size	Code	Price each
	½"	AFCPFC0200	£37.09
	¾"	AFCPFC0250	£49.72
	1"	AFCPFC0320	£63.96
	1¼"	AFCPFC0400	£100.50
	1½"	AFCPFC0500	£146.07
	2"	AFCPFC0630	£186.43

Composite Union Plain/BSP Female Brass Threaded

Code: PSABF	Nominal Size	Code	Price each
	½"	AFCBFC0200	£37.85
	¾"	AFCBFC0250	£50.73
	1"	AFCBFC0320	£65.27
	1¼"	AFCBFC0400	£102.56
	1½"	AFCBFC0500	£149.05
	2"	AFCBFC0630	£190.24
	2½"	AFCBFC0750	£374.22
	3"	AFCBFC0900	£415.19

Composite Union Plain/BSP Male Brass Threaded with Plastic Nut


Code: PSABF	Nominal Size	Code	Price each
	½"	AFCPMC0200	£40.13
	¾"	AFCPMC0250	£51.29
	1"	AFCPMC0320	£67.05
	1¼"	AFCPMC0400	£105.05
	1½"	AFCPMC0500	£127.48
	2"	AFCPMC0630	£195.21

Prices shown are for one item excluding VAT


ABS Solvent Cement Fittings

* Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section


Composite Union Plain/BSP Taper Male Brass Threaded

Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFCBMC0200	£40.96
	3/4"	AFCBMC0250	£52.34
	1"	AFCBMC0320	£68.42
	1 1/4"	AFCBMC0400	£107.19
	1 1/2"	AFCBMC0500	£130.08
	2"	AFCBMC0630	£199.20
	2 1/2"	AFCBMC0750	£380.86
	3"	AFCBMC0900	£496.04


Elbow 90° Plain/BSP Female Threaded

Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFCGOC0200	£8.49
	3/4"	AFCGOC0250	£8.99
	1"	AFCGOC0320	£11.67
	1 1/4"	AFCGOC0400	£23.80
	1 1/2"	AFCGOC0500	£26.62
	2"	AFCGOC0630	£37.66
	3"	AFCGOC0900	£57.49

Elbow 90° Plain/BSP Female Threaded with Stainless Steel Reinforcing Ring

Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFRGER0200	£9.91
	3/4"	AFRGER0250	£10.44
	1"	AFRGER0320	£12.74
	1 1/4"	AFRGER0400	£23.44
	1 1/2"	AFRGER0500	£26.21
	2"	AFRGER0630	£35.80

Tee 90° Plain/BSP Female Threaded


Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFCTIC0200	£9.07
	3/4"	AFCTIC0250	£10.05
	1"	AFCTIC0320	£12.15
	1 1/4"	AFCTIC0400	£25.48
	1 1/2"	AFCTIC0500	£28.06
	2"	AFCTIC0630	£39.47
	3"	AFCTIC0900	£73.82

Prices shown are for one item excluding VAT


ABS Solvent Cement Fittings

* Maximum working pressure: 9 bar (130 psi) at 20°C. For backing rings and gaskets see Accessories section


Tee 90° Plain/BSP Female Threaded Branch with Stainless Steel Reinforcing Ring

Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFRTER0200	£10.32
	3/4"	AFRTER0250	£11.24
	1"	AFRTER0320	£13.07
	1 1/4"	AFRTER0400	£24.69
	1 1/2"	AFRTER0500	£27.23
	2"	AFRTER0630	£37.03

Reducing Bush Plain/BSP Female Threaded

Code: PSABF	Nominal Size	Code	Price each
	1/2" x 3/8"	AFCRCC020A	£4.96
	3/4" x 1/2"	AFCRCC025B	£5.71
	1" x 3/4"	AFCRCC032C	£7.57

Tank Connector Plain/BSP Male Threaded EPDM Gasket


Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFCTCC0200	£15.23
	3/4"	AFCTCC0250	£18.29
	1"	AFCTCC0320	£46.05
	1 1/4"	AFCTCC0400	£69.92
	1 1/2"	AFCTCC0500	£87.01
	2"	AFCTCC0630	£100.21
	2 1/2"	AFCTCC0750	£125.56
	3"	AFCTCC0900	£171.94
	4"	AFCTCC1100	£190.44

Prices shown are for one item excluding VAT

ABS Industrial Union Valves

Maximum working pressure for valves 1/2" – 2" 16 bar, for valves 2 1/2" – 4" 10 bar at 20°C

Industrial Double Union Ball Valve Plain Sockets EPDM Seals

Code: PSABV	Nominal Size	Code	Price each
	3/8"	ABA22A0160	£45.10
	1/2"	ABA22A0200	£45.96
	3/4"	ABA22A0250	£56.29
	1"	ABA22A0320	£66.83
	1 1/4"	ABA22A0400	£85.79
	1 1/2"	ABA22A0500	£109.84
	2"	ABA22A0630	£136.05
	2 1/2"	ABA22A0750	£298.32
	3"	ABA22A0900	£382.63
	4"	ABA22A1100	£533.34

Prices shown are for one item excluding VAT

ABS - Imperial

ABS Industrial Union Valves

Maximum working pressure for valves ½" – 2" 16 bar, for valves 2 ½" – 4" 10 bar at 20°C

Industrial Double Union Ball Valve Plain Sockets FPM Seals

Code: PSABV



Nominal Size	Code	Price each
¾"	ABA23A0160	£52.82
½"	ABA23A0200	£59.93
¾"	ABA23A0250	£71.81
1"	ABA23A0320	£87.25
1¼"	ABA23A0400	£94.14
1½"	ABA23A0500	£119.63
2"	ABA23A0630	£177.26
2½"	ABA23A0750	£388.23
3"	ABA23A0900	£488.26
4"	ABA23A1100	£662.76

Prices shown are for one item excluding VAT

ABS Check Valves

Maximum working pressure for valves 16–63 (½"–2") 16 bar (232 psi)

Check Valve Plain Sockets Stainless Steel Spring EPDM Seals

Code: PSABV



Nominal Size	Code	Price each
¾"	ABA30A0160	£38.13
½"	ABA30A0200	£43.20
¾"	ABA30A0250	£51.82
1"	ABA30A0320	£55.44
1¼"	ABA30A0400	£65.35
1½"	ABA30A0500	£94.85
2"	ABA30A0630	£125.71

Check Valve Plain Sockets Stainless Steel Spring EPDM Seals

Code: PSABV



Nominal Size	Code	Price each
¾"	ABA31A0160	£53.68
½"	ABA31A0200	£67.24
¾"	ABA31A0250	£71.14

Check Valve Plain Sockets Stainless Steel Spring EPDM Seals

Code: PSABV



Nominal Size	Code	Price each
1"	ABA31A0320	£74.31
1¼"	ABA31A0400	£76.73
1½"	ABA31A0500	£102.28
2"	ABA31A0630	£117.09

Prices shown are for one item excluding VAT

ABS Air Release Valves

NP10/16 blanking flanges available, For gaskets see Accessories section

Air Release Valve Plain Sockets with EPDM Seals

Code: PSABV



Nominal Size	Code	Price each
¾"	ABA33A0160	£38.23
½"	ABA33A0200	£42.16
¾"	ABA33A0250	£50.61
1"	ABA33A0320	£54.22
1¼"	ABA33A0400	£59.15
1½"	ABA33A0500	£87.00
2"	ABA33A0630	£114.15

Prices shown are for one item excluding VAT

ABS Electrically Actuated Double Union Ball Valves

(220 — 240 Volt) (110 Volt)

Plain Sockets EPDM Seals

Code: PSABV



Nominal Size	Code	Price each
½"	ABA24A0200	£1,569.63
¾"	ABA24A0250	£1,589.72
1"	ABA24A0320	£1,613.94
1¼"	ABA24A0400	£1,662.30
1½"	ABA24A0500	£1,710.46
2"	ABA24A0630	£1,778.89
2½"	ABA24A0750	£3,437.03
3"	ABA24A0900	£3,817.68
4"	ABA24A1100	£4,280.28

FPM Seals

Code: PSABV



Nominal Size	Code	Price each
½"	ABA25A0200	£1,589.72
¾"	ABA25A0250	£1,605.90
1"	ABA25A0320	£1,654.23
1¼"	ABA25A0400	£1,690.35
1½"	ABA25A0500	£1,750.68
2"	ABA25A0630	£1,843.40
2½"	ABA25A0750	£3,610.09
3"	ABA25A0900	£4,013.26
4"	ABA25A1100	£4,442.03

Prices shown are for one item excluding VAT

ABS pneumatically actuated double union ball valves fail safe closed

Plain Sockets EPDM Seals

Code: PSABV



Nominal Size	Code	Price each
1/2"	ABA26A0200	£827.38
3/4"	ABA26A0250	£839.83
1"	ABA26A0320	£873.26
1 1/4"	ABA26A0400	£981.81
1 1/2"	ABA26A0500	£978.95
2"	ABA26A0630	£1,038.17
2 1/2"	ABA26A0750	£2,431.46
3"	ABA26A0900	£2,577.69
4"	ABA26A1100	£3,588.77

ABS Pneumatically Actuated Double Union Ball Valves

Code: PSABV



Nominal Size	Code	Price each
1/2"	ABA27A0200	£839.83
3/4"	ABA27A0250	£856.45
1"	ABA27A0320	£890.06
1 1/4"	ABA27A0400	£1,011.04
1 1/2"	ABA27A0500	£1,073.72
2"	ABA27A0630	£1,161.57
2 1/2"	ABA27A0750	£2,565.19
3"	ABA27A0900	£2,723.95
4"	ABA27A1100	£3,785.29

Pressure Relief Valve

(operates between 0.5 and 6.5 bar) EPDM Seals

Code: PSAQU



Nominal Size	Code	Price each
1/2" - 20mm	ABAPRV0200	£577.55
3/4" - 25mm	ABAPRV0250	£624.44
1" - 32mm	ABAPRV0320	£674.28
1 1/4" - 40mm	ABAPRV0400	£790.69
1 1/2" - 50mm	ABAPRV0500	£916.12
2" - 63mm	ABAPRV0630	£1,048.68

Up-rated spring available to increase maximum pressure to 10 bar.
Add to the list price as stated above.

£55.53


- Available in PVCu, ABS, PVCc, PP and PVDF.
- Diaphragms available in natural rubber, EDPM and FPM (Viton)
- Bi-Directional Design
- No metal parts in contact with line media
- Can be preset
- Can be installed in any position
- Also works as a Pressure Sustaining Valve
- Minimum set pressure 0.5 Bar (7 PSI) and maximum set pressure 6.8 Bar (100 PSI)
- Easily adjusted on site
- Connections Male Spigot: PVCu Imperial or Metric, ABS - Imperial, PVCc Metric, PP Metric, PVDF Metric.
- Mounting inserts provided in base as standard

ABS - Threaded


ABS Imperial Threaded Pressure Pipes

plain end

Pressure Pipe Class T (machining quality max. 12 bar at 20°C)

Code: PSABP	Nominal Size	Code	Price per metre	Price each
	1/2"	APTCLT02003	£9.51	£28.54
	3/4"	APTCLT02503	£10.79	£32.37
	1"	APTCLT03203	£15.41	£46.22
	1 1/4"	APTCLT04003	£26.96	£80.88
	1 1/2"	APTCLT05003	£27.26	£81.79
	2"	APTCLT06303	£37.14	£111.41

Pressure Pipe Class T / 6 Metre (machining quality max. 12 bar at 20°C)


Code: PSABP	Nominal Size	Code	Price per metre	Price each
	1/2"	APTCLT0200	£9.52	£57.10
	3/4"	APTCLT0250	£10.79	£64.76
	1"	APTCLT0320	£15.41	£92.43
	1 1/4"	APTCLT0400	£26.96	£161.76
	1 1/2"	APTCLT0500	£27.26	£163.58
	2"	APTCLT0630	£37.14	£222.83

Prices shown are for one item excluding VAT

ABS Imperial Threaded Fittings

For gaskets see Accessories section

Socket BSP Female Threaded

Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFFMAF0200	£8.99
	3/4"	AFFMAF0250	£10.05
	1"	AFFMAF0320	£12.67
	1 1/4"	AFFMAF0400	£17.29
	1 1/2"	AFFMAF0500	£19.48
	2"	AFFMAF0630	£24.51

Barrel Nipple BSP Male Taper Threaded


Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFFBAF0200	£5.45
	3/4"	AFFBAF0250	£6.42
	1"	AFFBAF0320	£8.58
	1 1/4"	AFFBAF0400	£11.00
	1 1/2"	AFFBAF0500	£12.01
	2"	AFFBAF0630	£15.35
	2 1/2"	AFFBAF0750	£31.95
	3"	AFFBAF0900	£35.50
	4"	AFFBAF1100	£61.95

Prices shown are for one item excluding VAT


ABS Imperial Threaded Fittings

For gaskets see Accessories section


Barrel Nipple BSP Male Taper Threaded

Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFFNIF0200	£4.58
	3/4"	AFFNIF0250	£6.06
	1"	AFFNIF0320	£7.68
	1 1/4"	AFFNIF0400	£10.65
	1 1/2"	AFFNIF0500	£12.62
	2"	AFFNIF0630	£15.23


Elbow 90° BSP Female Threaded

Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFFGOF0200	£8.81
	3/4"	AFFGOF0250	£8.99
	1"	AFFGOF0320	£11.81
	1 1/4"	AFFGOF0400	£18.40
	1 1/2"	AFFGOF0500	£28.82
	2"	AFFGOF0630	£35.20


Tee 90° BSP Female Threaded

Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFFTIF0200	£9.07
	3/4"	AFFTIF0250	£10.05
	1"	AFFTIF0320	£13.73
	1 1/4"	AFFTIF0400	£27.65
	1 1/2"	AFFTIF0500	£29.94
	2"	AFFTIF0630	£51.52

Reducing Bush BSP Male Threaded/BSP Female Threaded

Code: PSABF	Nominal Size	Code	Price each
	3/4" x 1/2"	AFFRCF025B	£7.61
	1" x 3/4"	AFFRCF032C	£9.26
	1 1/4" x 1"	AFFRCF040D	£23.74
	1 1/2" x 1 1/4"	AFFRCF050E	£24.17
	2" x 1 1/2"	AFFRCF063F	£26.96
	2 1/2" x 2"	AFFRCF075G	£31.49
	3" x 2 1/2"	AFFRCF090H	£50.53
	4" x 3"	AFFRCF110I	£55.64

Plug BSP Male Threaded


Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFFTAF0200	£5.22
	3/4"	AFFTAF0250	£6.42
	1"	AFFTAF0320	£7.68
	1 1/4"	AFFTAF0400	£10.13
	1 1/2"	AFFTAF0500	£12.88
	2"	AFFTAF0630	£14.60

Prices shown are for one item excluding VAT


ABS Imperial Threaded Fittings

For gaskets see Accessories section

Cap BSP Female Threaded

Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFFCAF0200	£7.41
	3/4"	AFFCAF0250	£10.37
	1"	AFFCAF0320	£11.00
	1 1/4"	AFFCAF0400	£11.90
	1 1/2"	AFFCAF0500	£15.35
	2"	AFFCAF0630	£19.42
	3"	AFFCAF0900	£67.25

Backnut BSP Female Threaded

Code: PSABF	Nominal Size	Code	Price each
	1/2"	AFFNUF0200	£3.60
	3/4"	AFFNUF0250	£4.00
	1"	AFFNUF0320	£6.79
	1 1/4"	AFFNUF0400	£14.92
	1 1/2"	AFFNUF0500	£16.96
	2"	AFFNUF0630	£17.79
	2 1/2"	AFFNUF0750	£21.97
	3"	AFFNUF0900	£24.78
	4"	AFFNUF1100	£31.18

Prices shown are for one item excluding VAT

Polypropylene

Polypropylene Pipe Systems

Polypipe Effast has developed a range of polypropylene valves and fittings and will continue to increase the range of products.

Polypropylene pipe work systems are widely used in industrial processing applications, because of its good characteristics.

Polypropylene offers good resistance to abrasion, good thermal properties and is suitable for working at higher temperatures than PVCu and ABS.

Colour

Polypropylene material is beige-grey in colour.

Chemical Resistance

Polypropylene has good chemical resistance. It is resistant to acids, alkalis, salts and to a number of organic solvents.

Standards

Individual products are in compliance with appropriate British and European Standards:

Fittings DIN 16962

Threaded fittings BS 21, DIN 2999, ISO 7

Pressure Rating

Maximum 10 bar at 20°C unless otherwise stated.

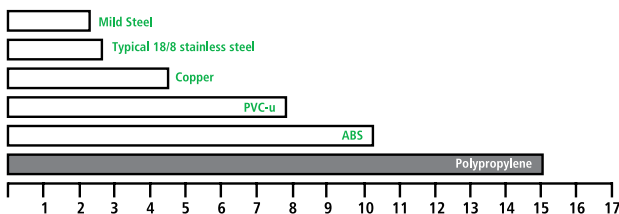
PP-H in sub-zero temperatures

PP-H Pipe systems are suitable for temperatures as low as -10°C, however it is necessary as with any other pipeline to take preventative measures to ensure the pipeline fluid does not freeze, as freezing would cause subsequent damage to the system.

Thermal expansion

The thermal coefficient of linear expansion for PP-H is $15 \times 10^{-5} \text{m/m} \cdot ^\circ\text{C}$

It is necessary in certain situations to make special provision for this expansion and contraction. Thermal expansion of PP-H is compared with other materials, in the following chart.



General Information

-10°C to +110°C

Temperature range



The Effast Polypropylene range is connected by socket fusion welding.

Socket fusion welding in dimensions of 20mm to 110mm, however special reinforcement collars will be required for 16mm joints.

The principle of socket fusion welding is constant however small differences in technique may occur on machinery from different suppliers. It is important to note that only like materials can be joined.

Below are details of the socket fusion process and illustrations to show the process.

During the process strict adherence to the safety protocols should be given at all times.

Preparing the equipment.

It is possible to use hand held socket fusion machines when joining materials in dimensions from 20mm to 63mm, however a bench top machine is preferred if any quantity of joints is required. The equipment should be clean and in good working order before any operation takes place. Careful attention should be given when following the tool set up as shown in the machine protocols. After the tool set up is completed the heater should be allowed to heat for 10 to 15 minutes, until the joining tools have reached their required temperature. A digital thermometer should be used to check the temperature before welding commences. It should be noted that during operation the welding area should be protected from draughts, dust and adverse weather conditions likely to corrupt the joint integrity.

Preparing the pipe and fittings.

The pipe in all cases should be cut with a sharp set of pipe cutters suitable for cutting plastic piping, as this will provide a square end suitable for socket fusion welding. It is important to ensure both the pipes and the fittings are clean and free from oil, water and

grit before heating takes place. The pipe is peeled to remove the oxidised layer of material caused by UV radiation from the joint area. After the pipe is peeled, both the interior of the fitting and the peeled area of the pipe may be wiped with an alcohol wipe. Ensure there are no scrapings or chips of material attached to the pipe.

Technical Information.

The socket fusion of PP requires temperatures between 250 and 270 degrees Celsius on the heating tool before joining can be undertaken. Joining is determined by depth and shear pressure as the two preheated parts are brought together, one inside the other. The necessary times relevant to the joining process are; heating time, change over time, fixing time and cooling time. These are shown in the table.

The welding process.

After the set up and preparation has been completed in line with the machine instructions guide. The newly prepared pipes and fittings can be introduced to the heat source ensuring that both the pipe and the fitting are entered to the correct depth. They are then allowed to heat for the pre determined time. A bead of molten material should be visible forming on both the pipe and the fitting as heating takes place. When the time has elapsed, the pipe and fitting can be removed from the heat source. A change over time is shown on the table, this should be adhered to. The two parts should be joined together ensuring that the pipe is entered to the stop point inside the fitting. The joint should be held in position, and then allowed to cool in line with the correct table of parameters. A uniform double weld bead should be visible around the neck of the fitting, and a single weld bead should be evident inside the fitting. Testing can take place 1 hour after the last weld is complete.

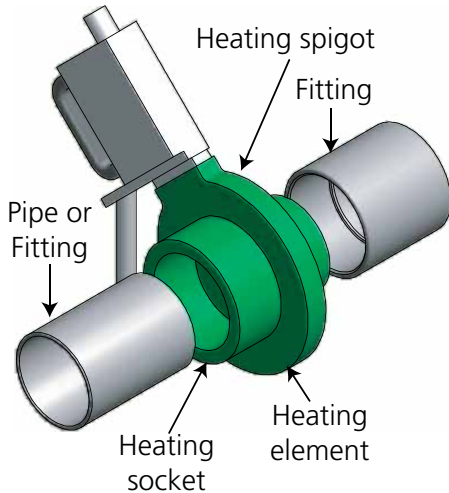
Heating times for socket fusion joints in PP. (DVS 2207, part 11)

Pipe od in mm	Min wall thickness in mm	Heating time in secs	Change over time in secs max	Cooling time in mins
20	2.5	5	4	2
25	2.7	7		
32	3.0	8		
40	3.7	12	6	4
50	4.6	18		
63	3.6	24		
75	4.3	30	8	6
90	5.1	40		
110	6.3	50	10	8

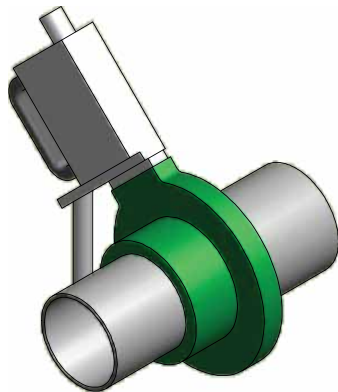
Joining methods

The Effast Polypropylene range is joined by socket fusion however there are two further joining techniques. For reference only the images below detail the socket fusion and also butt fusion and electro fusion techniques.

Socket fusion



Individual parts

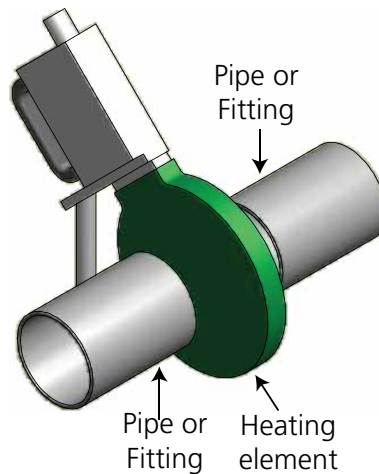


Heating

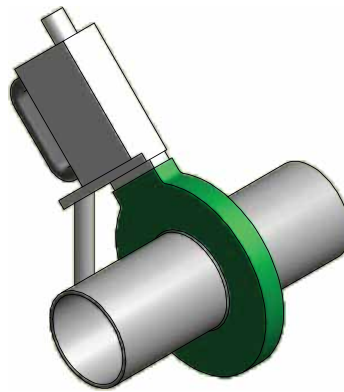


Finished joint

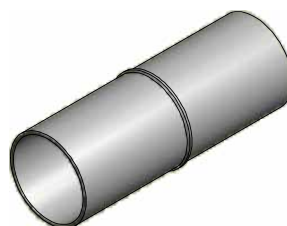
Butt fusion



Individual parts

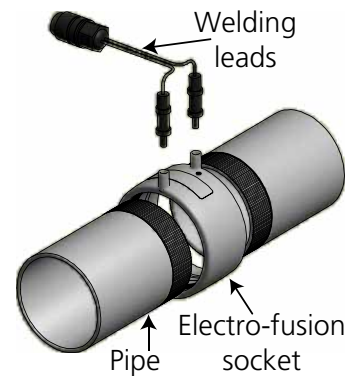


Heating



Finished joint

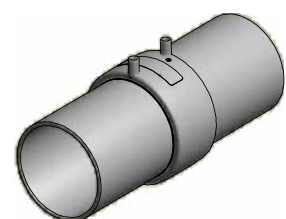
Electro fusion



Individual parts




Heating




Finished joint


Polypropylene Pressure Pipes 5m Lengths Plain End


Polypropylene Pressure Pipes 5m Lengths Plain End				
Code: PSPPP	Nominal Size	Code	Price per metre	Price each
	20	PPIOCLI00200	£2.70	£13.52
	25	PPIOCLI00250	£3.52	£17.59
	32	PPIOCLI00320	£5.13	£25.63
	40	PPIOCLI00400	£6.90	£34.49
	50	PPIOCLI00500	£10.81	£54.05
	63	PPIOCLI00630	£16.94	£84.70
	75	PPIOCLI00750	£23.86	£119.29
	90	PPIOCLI00900	£34.18	£170.91
	110	PPIOCLI01100	£50.84	£254.20

Prices shown are for one item excluding VAT

Polypropylene Socket Fusion Fittings


Socket Fusion Coupler Plain End			
Code: PSPPF	Nominal Size	Code	Price each
	20	PFIMAIO200	£1.86
	25	PFIMAIO250	£2.01
	32	PFIMAIO320	£2.72
	40	PFIMAIO400	£3.33
	50	PFIMAIO500	£5.97
	63	PFIMAIO630	£8.98
	75	PFIMAIO750	£25.28
	90	PFIMAIO900	£35.78
	110	PFIMAIO1100	£61.40


Socket Fusion Union Plain. Supplied with EPDM O ring—for FPM O Ring see Accessories Section			
Code: PSPPF	Nominal Size	Code	Price each
	20	PFIBOIO200	£12.61
	25	PFIBOIO250	£13.83
	32	PFIBOIO320	£16.83
	40	PFIBOIO400	£22.30
	50	PFIBOIO500	£31.19
	63	PFIBOIO630	£44.44


Socket Fusion Elbow 90° Plain			
Code: PSPPF	Nominal Size	Code	Price each
	20	PFIGOI0200	£3.10
	25	PFIGOI0250	£3.49
	32	PFIGOI0320	£4.11
	40	PFIGOI0400	£5.20
	50	PFIGOI0500	£9.68
	63	PFIGOI0630	£12.01
	75	PFIGOI0750	£60.80
	90	PFIGOI0900	£74.67
	110	PFIGOI1100	£111.82


Prices shown are for one item excluding VAT

Polypropylene Socket Fusion Fittings

Socket Fusion Elbow 45° Plain			
Code: PSPPF	Nominal Size	Code	Price each
	20	PFIGYI0200	£4.11
	25	PFIGYI0250	£4.49
	32	PFIGYI0320	£5.20
	40	PFIGYI0400	£6.44
	50	PFIGYI0500	£9.29
	63	PFIGYI0630	£11.62
	75	PFIGYI0750	£46.84
	90	PFIGYI0900	£69.71
	110	PFIGYI1100	£102.95

Socket Fusion Tee 90° Plain			
Code: PSPPF	Nominal Size	Code	Price each
	20	PFITII0200	£3.49
	25	PFITII0250	£3.79
	32	PFITII0320	£4.18
	40	PFITII0400	£5.11
	50	PFITII0500	£9.38
	63	PFITII0630	£12.84
	75	PFITII0750	£64.28
	90	PFITII0900	£99.66
	110	PFITII1100	£133.25

Socket Fusion Reducing Socket Plain			
Code: PSPPF	Nominal Size	Code	Price each
	25 x 20	PFIMRIO25B	£5.63
	32 x 20	PFIMRIO32B	£6.10
	32 x 25	PFIMRIO32C	£6.61
	40 x 25	PFIMRIO40C	£8.11
	40 x 32	PFIMRIO40D	£8.11
	50 x 32	PFIMRIO50D	£10.02
	50 x 40	PFIMRIO50E	£10.02
	63 x 32	PFIMRIO63D	£11.46
	63 x 40	PFIMRIO63E	£11.46
	63 x 50	PFIMRIO63F	£12.23
	75x63	PFIMRIO75G	£22.04
	90x63	PFIMRIO90G	£30.42
	90x75	PFIMRIO90H	£30.42
	110x90	PFIMRIO110I	£41.48

Socket Fusion Stub Flange (Serrated) Plain			
Code: PSPPF	Nominal Size	Code	Price each
	20	PFIQRI0200	£2.25
	25	PFIQRI0250	£2.42
	32	PFIQRI0320	£2.72
	40	PFIQRI0400	£3.25
	50	PFIQRI0500	£3.72
	63	PFIQRI0630	£5.19

Prices shown are for one item excluding VAT

Polypropylene

Polypropylene Socket Fusion Fittings

Socket Fusion Stub Flange (Serrated) Plain

Code: *PSPPF*



Nominal Size	Code	Price each
75	PFIQRI0750	£20.05
90	PFIQRI0900	£30.91
110	PFIQRI1100	£45.93

Socket Fusion Cap Plain

Code: *PSPPF*



Nominal Size	Code	Price each
20	PFICAI0200	£2.76
25	PFICAI0250	£3.09
32	PFICAI0320	£3.23
40	PFICAI0400	£4.06
50	PFICAI0500	£5.43
63	PFICAI0630	£7.27
75	PFICAI0750	£31.32
90	PFICAI0900	£44.16
100	PFICAI1100	£59.88

Prices shown are for one item excluding VAT

Polypropylene Adaptor Fittings

For dimensions see PVCu equivalent-PVCu Section

Composite Union Plain/BSP Female Brass Threaded

Code: *PSPPF*



Nominal Size	Code	Price each
20 x 1/2"	PFCBFC0200	£13.03
25 x 3/4"	PFCBFC0250	£18.51
32 x 1"	PFCBFC0320	£20.37
40 x 1 1/4"	PFCBFC0400	£29.10
50 x 1 1/2"	PFCBFC0500	£36.77
63 x 2"	PFCBFC0630	£42.42

Composite Union Plain/BSP Male Taper Brass Threaded

Code: *PSPPF*



Nominal Size	Code	Price each
20 x 1/2"	PFCBMC0200	£13.58
25 x 3/4"	PFCBMC0250	£18.99
32 x 1"	PFCBMC0320	£21.58
40 x 1 1/4"	PFCBMC0400	£29.74
50 x 1 1/2"	PFCBMC0500	£39.92
63 x 2"	PFCBMC0630	£49.44

Prices shown are for one item excluding VAT

Polypropylene Manual Ball Valves

Manual EDPM Ball Valves

Code: *PSAQU*



Nominal Size	Code	Price each
20	PBI22I0200	£48.83
25	PBI22I0250	£57.67
32	PBI22I0320	£70.62
40	PBI22I0400	£87.26
50	PBI22I0500	£112.39
63	PBI22I0630	£134.57

Manual FPM Ball Valves

Code: *PSAQU*



Nominal Size	Code	Price each
20	PBI23I0200	£52.38
25	PBI23I0250	£62.51
32	PBI23I0320	£76.80
40	PBI23I0400	£94.80
50	PBI23I0500	£122.07
63	PBI23I0630	£146.48

Double Union Ball Valve with Locking Handle Fusion Sockets EPDM Seals

Code: *PSPRA*



Nominal Size	Code	Price each
16	PBI12I0160	£57.20
20	PBI12I0200	£59.68
25	PBI12I0250	£71.67
32	PBI12I0320	£81.34
40	PBI12I0400	£104.06
50	PBI12I0500	£131.29
63	PBI12I0630	£168.92
75	PBI12I0750	£389.43
90	PBI12I0900	£595.44
110	PBI12I1100	£688.57

Double Union Ball Valve with Locking Handle Fusion Sockets FPM Seals

Code: *PSPRA*




Nominal Size	Code	Price each
16	PBI13I0160	£70.42
20	PBI13I0200	£72.73
25	PBI13I0250	£88.14
32	PBI13I0320	£110.35
40	PBI13I0400	£126.83
50	PBI13I0500	£169.83
63	PBI13I0630	£201.36
75	PBI13I0750	£450.35
90	PBI13I0900	£689.63
110	PBI13I1100	£772.04

Prices shown are for one item excluding VAT


Polypropylene Check Valves

For dimensions see PVCu equivalent—PVCu Section

Fusion Sockets EPDM Seals

Code: PSAQU	Nominal Size	Code	Price each
	20	PBI30I0200	£47.43
	25	PBI30I0250	£54.65
	32	PBI30I0320	£63.61
	40	PBI30I0400	£77.22
	50	PBI30I0500	£96.44
	63	PBI30I0630	£131.02

Fusion Sockets FPM Seals


Code: PSAQU	Nominal Size	Code	Price each
	20	PBI32I0200	£54.65
	25	PBI32I0250	£63.61
	32	PBI32I0320	£75.48
	40	PBI32I0400	£90.04
	50	PBI32I0500	£111.01
	63	PBI32I0630	£147.37

Prices shown are for one item excluding VAT

Butterfly Valves


For dimensions see PVCu equivalent—PVCu Section

Pro flow T series - EPDM seals

Code: PSPRA	Nominal Size	Code	Price each
	75	PBAPFT0750	£447.40
	90	PBAPFT0900	£498.20
	110	PBAPFT1100	£615.10
	140	PBAPFT1400*	£724.20
	160	PBAPFT1600*	£860.00
	225	PBAPFT2250*	£1,115.65

*Available in 2018

Pro flow T series - FPM seals

Code: PSPRA	Nominal Size	Code	Price each
	75	PBAPFT075F	£616.10
	90	PBAPFT090F	£736.00
	110	PBAPFT110F	£862.95
	140	PBAPFT140F*	£927.50
	160	PBAPFT160F*	£1,136.50
	225	PBAPFT225F*	£1,425.20


*Available in 2018


Prices shown are for one item excluding VAT


Sales and enquiries please contact: 01622 795 225


Polypropylene Threaded


Polypropylene Threaded Fittings

Socket			
Code: PSPPF	Nominal Size	Code	Price each
	½"	PFFMAF0200	£1.94
	¾"	PFFMAF0250	£2.15
	1"	PFFMAF0320	£2.87
	1¼"	PFFMAF0400	£3.50
	1½"	PFFMAF0500	£6.23
	2"	PFFMAF0630	£10.08

Nipple			
Code: PSPPF	Nominal Size	Code	Price each
	½"	PFFNIF0200	£3.42
	¾"	PFFNIF0250	£4.09
	1"	PFFNIF0320	£5.06
	1¼"	PFFNIF0400	£6.52
	1½"	PFFNIF0500	£7.85
	2"	PFFNIF0630	£10.41


Adaptor Socket			
Code: PSPPF	Nominal Size	Code	Price each
	20 x ½"	PFPMAPO20B	£3.57
	25 x ¾"	PFPMAPO25C	£3.85
	32 x 1"	PFPMAPO32D	£4.43
	40 x 1¼"	PFPMAPO40E	£5.48
	50 x 1½"	PFPMAPO50F	£8.34
	63 x 2"	PFPMAPO63G	£12.34


Threaded Union with O-Ring with EDPM O ring can also be supplied with FPM O ring			
Code: PSPPF	Nominal Size	Code	Price each
	½"	PFFBOF0200	£12.53
	¾"	PFFBOF0250	£13.46
	1"	PFFBOF0320	£16.23
	1¼"	PFFBOF0400	£21.98
	1½"	PFFBOF0500	£30.68
	2"	PFFBOF0630	£31.92


90° Elbow			
Code: PSPPF	Nominal Size	Code	Price each
	½"	PFFGOF0200	£3.26
	¾"	PFFGOF0250	£3.68
	1"	PFFGOF0320	£4.32
	1¼"	PFFGOF0400	£5.43
	1½"	PFFGOF0500	£10.19
	2"	PFFGOF0630	£12.62


Prices shown are for one item excluding VAT


Polypropylene Threaded Fittings

90° Tee			
Code: PSPPF	Nominal Size	Code	Price each
	½"	PFFTIF0200	£3.68
	¾"	PFFTIF0250	£3.96
	1"	PFFTIF0320	£4.43
	1¼"	PFFTIF0400	£5.36
	1½"	PFFTIF0500	£9.83
	2"	PFFTIF0630	£13.46

Reducing Bush			
Code: PSPPF	Nominal Size	Code	Price each
	¾" x ½"	PFFRCF025B	£3.72
	1" x ¾"	PFFRCF032C	£4.77
	1¼" x 1"	PFFRCF040D	£7.27
	1½" x 1¼"	PFFRCF050E	£9.49
	2" x 1½"	PFFRCF063F	£12.77

Reducing Nipple			
Code: PSPPF	Nominal Size	Code	Price each
	¾" x ½"	PFFNRF025B	£5.79
	1" x ¾"	PFFNRF032C	£7.15
	1¼" x 1"	PFFNRF040D	£8.08
	1½" x 1¼"	PFFNRF050E	£11.84
	2" x 1½"	PFFNRF063F	£16.77

Plug			
Code: PSPPF	Nominal Size	Code	Price each
	½"	PFFTAF0200	£2.63
	¾"	PFFTAF0250	£3.61
	1"	PFFTAF0320	£4.45
	1¼"	PFFTAF0400	£6.13
	1½"	PFFTAF0500	£9.49
	2"	PFFTAF0630	£9.79

Double Union Ball Valve with Locking Handle BSP Female Threaded Sockets EPDM Seals			
Code: PSPRA	Nominal Size	Code	Price each
	¾"	PBF12F0160	£57.20
	½"	PBF12F0200	£59.68
	¾"	PBF12F0250	£71.67
	1"	PBF12F0320	£81.34
	1¼"	PBF12F0400	£104.06
	1½"	PBF12F0500	£131.29
	2"	PBF12F0630	£168.92
	2½"	PBF12F0750	£389.43
	3"	PBF12F0900	£595.44

Prices shown are for one item excluding VAT

Polypropylene Threaded Fittings

Double Union Ball Valve with Locking Handle BSP Female Threaded Sockets FPM Seals

Code: PSPRA



Nominal Size	Code	Price each
3/8"	PBF13F0160	£70.42
1/2"	PBF13F0200	£72.73
3/4"	PBF13F0250	£88.14
1"	PBF13F0320	£110.35
1 1/4"	PBF13F0400	£126.83
1 1/2"	PBF13F0500	£169.83
2"	PBF13F0630	£201.36
2 1/2"	PBF13F0750	£450.35
3"	PBF13F0900	£689.63

Prices shown are for one item excluding VAT

Polypropylene Threaded

Effast PE100 high density polyethylene pressure pipe system is a fast and reliable solution to the challenges presented by the requirements of modern supply systems. Utilising the benefits of polyethylene jointing technologies and excellent chemical resistance, Effast PE100 pressure pipe system can be used across a wide range of applications including:

- Water supply and distribution
- Water treatment
- Cooling water
- Pressurised waste water systems
- Transportation of chemicals

Features and Benefits

PE100 pressure pipe offers all of the benefits commonly associated with plastic systems in a wide range of sizes.

- Sizes available
 - SDR 17 (10 bar) 32mm to 1200mm
 - SDR 11 (16 bar) 20mm to 630mm
- Operating temperature -40°C to +60°C subject to pressure requirement
- Comprehensive system includes full range of pipes and fittings
- Prefabrication service is available
- Fusion weld or mechanical installation
- Excellent impact resistance
- Excellent chemical resistance

Technical data	PE 100
Density, g/cm ³ , ISO 1183	0.960
Yield stress, MPa, DIN EN ISO 527	23
Elongation at yield %, DIN EN ISO 527	9
Elongation at break, %, DIN EN ISO 527	600
Tensile modulus of elasticity, MPa, DIN EN ISO 527	1100
Impact strength, kJ/m ² , DIN EN ISO 179	no break
Notched impact strength, kJ/m ² , DIN EN ISO 2039-1	30
Shore hardness, D, ISO 868	61
Mean coefficient of linear thermal expansion, K ⁻¹ , DIN 53752	1.8-44
Thermal conductivity, W/m-K, DIN 52612	0.38
Dielectric strength, kV/mm, VDE 0303-21	22
Surface resistivity, ohm, DIN IEC 167	1x10 ¹⁴
Fire behaviour, DN 4102	B2
Physiologically safe as per BfR	yes
Chemical resistance according to DIN 8075 Supplement	fulfilled
Temperature range, C°	-40°C to +60°C



PE100 Pressure Systems

General requirements

The welding area is to be protected from harmful weather, e.g. moisture, wind, intense sunlight, and temperatures below 5 °C.

When an even, appropriate welding temperature can be maintained for the pipe walls, then welding is possible at any outside temperature. This may involve:

- Preheating • Protective shelter • Heating up.

In direct sunlight, cover the weld area in advance, to allow temperature differences in unevenly warmed pipe to equalize. In strong wind, close off the extreme ends of the pipe segments to prevent cooling the weld during the welding process.

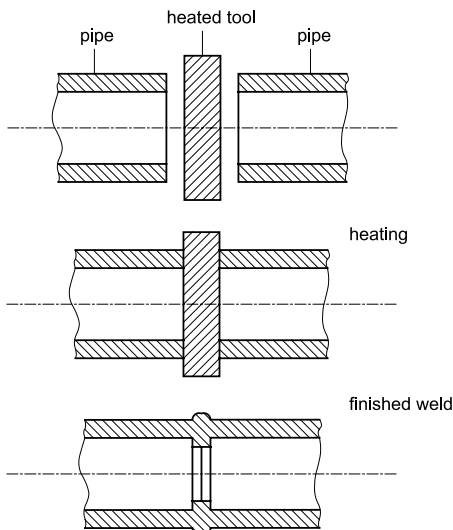
Welding methods

To achieve a permanent bond with Effast PE100 pipes and fittings, we recommend the processes that have proven themselves in practice:

- butt welding • electro fusion welding.

Butt welding

Before butt welding, the two surfaces to be welded are heated to welding temperature by a heating plate. It is then removed and the two plasticized surfaces are pressed together to form a weld.



Heated tool butt welding

Weld preparation

The pipeline components are laid out axially before being clamped into the welding machine. The part to be welded on must be free to move along the axis, with the help of adjustable pulleys if necessary.

With a planer, machine off the surfaces to be bonded, after they have been clamped into place. If swarf happens to fall into the pipe, use a clean tool to remove it. A hand must never touch the surfaces planed for welding.

After planning, check that the surfaces are parallel. Any gap remaining must be no greater than the maximum in table.

Check that any mismatch of the pipe ends is smaller than 10 % of the pipe wall thickness. If not, the wall thicknesses are to be matched around the weld by machining.

Maximum gap before welding	
Pipe diameter (mm)	Max. gap (mm)
≤355	0.5
400 to 630	1.0
630 to 800	1.3
800 to 1200	1.5

Welding process

The heating plate is heated to welding temperature and placed between the surfaces to be welded. They are pressed against the heated tool with the correct matching pressure. The temperature is monitored with a rapidly registering surface thermometer.

The force for matching or welding can be calculated from the weld surface and the specific pressure.

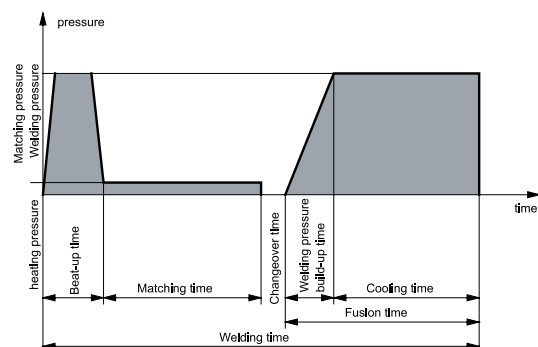
Usually the welding machine manufacturers give pressure values in table form, since most machines work with hydraulics, not with measured forces. To this pressure value, add the drag pressure from the movement of the work piece. The latter is influenced by friction of machine parts and the weight of the pipes and fittings to be welded.

Bead-up time is completed only after a bead has formed completely around both ends to be welded. The heating time begins at this point, and the pressure is reduced to nearly zero.

After heating, the fusion surfaces are detached from the heating plate without damage or contamination. The time for detaching the fusion surfaces, removing the heating plate, and bringing the fusion surfaces into contact with each other is called the changeover time. It should be kept as short as possible.

The weld surfaces should be brought into contact gently, at extremely low speed. Then pressure is slowly increased, then maintained until cooling is complete.

Never accelerate weld cooling or apply coolant to the area. For pipe walls 20 mm or more in thickness, an even cooling for a better weld can be achieved by covering the weld area during the cooling phase. After welding a double bead must go completely around the weld.



Steps in heated tool butt welding

Methods of Jointing

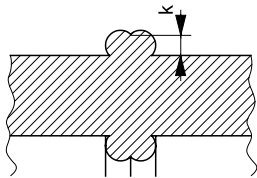
Recommended values for butt welding, PE100 pipes and fittings					
Wall thickness	Matching ²	Heat up ³	Changeover	Welding ⁴	
	Heat up time starts	Heat up time	Changeover time	Weld pressure build-up time (max. time)	Cooling time
mm	mm	s	s		s
up to 4.5	0.5	45	5	5	6
4.5–7	1.0	45–70	5–6	5–6	6–10
7–12	1.5	70–120	6–8	6–8	10–16
12–19	2.0	120–190	8–10	8–11	16–24
19–26	2.5	190–260	10–12	11–14	24–32
26–37	3.0	260–370	12–16	14–19	32–45
37–50	3.5	370–500	16–20	19–25	45–60
50–70	4.0	500–700	20–25	25–35	60–80

¹ For outdoors temperature about 20°C and moderate air movement

² Height of bead on the heated tool at the end of the matching time (matching at < 0.15 N/mm²)

³ Heated tool temperature is 210 ± 10°C. heat up time = 10 x wall thickness (heat soak at ≤ 0.02 N/mm²)

⁴ Cooling time at welding pressure (p = 0.15 ± 0.01 N/mm²)

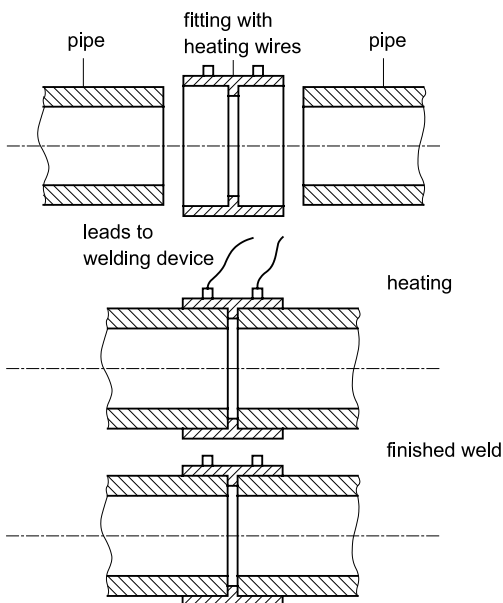


Double bead welded.

If the bead is to be removed, it should be done before the weld is entirely cooled down. Machining the bead off the cold weld runs the risk of causing dents. With brittle materials like PVC and PVDF it can cause chipping.

Electro fusion welding

The surfaces to be welded, i.e. the pipe outer surface and the socket inside surface, are heated to welding temperature and fused by electric current, through the resistance of wires within the socket.



Electro fusion welding

Weld surface preparation

For a good electro fusion weld, clean surfaces are an important factor. The pipe surfaces must be shaved in the weld area. Then the burr on the inner edge must be removed and the outer edge rounded. Effast PE100 electrofusion fittings are supplied in protective bags and should only be removed from the bag at time of use. Do not touch the inside of the electrofusion fitting at any time.

In the weld area, the pipe may be out of the round by no more than 1.5 %. Otherwise clamps for this purpose can be used to force roundness.

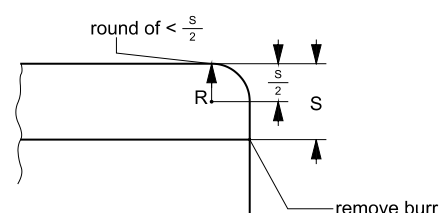
When the fitting goes on to the pipe ends, keep it straight along the axis and avoid forcing. This prevents displacing and damaging the resistance wire.

Welding process

The welding device must match the fitting used. Settings on the device are selected before welding, according to the pipe diameter and nominal pressure. The required welding information is provided in three ways. Dependent on the functionality of the welding machine, programming is possible using -

- Smart System self programming technology
- Barcode
- Manual programming of values


Welding cables connect device and fitting. Fusion is carried out automatically and weld is left at rest until the cooling time has elapsed.



Preparing pipe ends

PE100

Polyethylene Pressure Pipe

		SDR17/PN10 Pressure Pipe			SDR11/PN16 Pressure Pipe		
Code: <i>HPPEE</i>	øD	Code	Price per metre	Price per length	Code	Price per metre	Price per length
	20mm	-	-	-	2000.16.20.60	£1.63	£9.80
	25mm	-	-	-	2000.16.25.60	£1.92	£11.50
	32mm	2000.10.32.60	£2.19	£13.16	2000.16.32.60	£2.93	£17.58
	40mm	2000.10.40.60	£3.32	£19.94	2000.16.40.60	£4.62	£27.72
	50mm	2000.10.50.60	£5.13	£30.76	2000.16.50.60	£7.27	£43.61
	63mm	2000.10.63.60	£7.61	£45.67	2000.16.63.60	£11.39	£68.36
	75mm	2000.10.75.60	£11.00	£65.99	2000.16.75.60	£16.08	£96.45
	90mm	2000.10.90.60	£15.79	£94.71	2000.16.90.60	£23.07	£138.39
	110mm	2000.10.110.60	£23.46	£140.75	2000.16.110.60	£34.05	£204.31
	125mm	2000.10.125.60	£29.66	£177.97	2000.16.125.60	£43.92	£263.53
	140mm	2000.10.140.60	£37.27	£223.64	2000.16.140.60	£54.92	£329.52
	160mm	2000.10.160.60	£48.67	£291.99	2000.16.160.60	£71.67	£430.01
	180mm	2000.10.180.60	£61.46	£368.74	2000.16.180.60	£90.79	£544.72
	200mm	2000.10.200.60	£76.07	£456.42	2000.16.200.60	£112.32	£673.90
	225mm	2000.10.225.60	£96.26	£577.53	2000.16.225.60	£142.37	£854.23
	250mm	2000.10.250.60	£117.34	£704.04	2000.16.250.60	£174.12	£1,044.69
	280mm	2000.10.280.60	£148.58	£891.46	2000.16.280.60	£218.10	£1,308.60
	315mm	2000.10.315.60	£188.11	£1,128.67	2000.16.315.60	£275.90	£1,655.41
	355mm	2000.10.355.60	£238.17	£1,429.03	2000.16.355.60	£350.55	£2,103.31
	400mm	2000.10.400.60	£301.44	£1,808.64	2000.16.400.60	£444.55	£2,667.29
450mm	2000.10.450.60	£389.24	£2,335.41	2000.16.450.60	£574.41	£3,446.47	
500mm	2000.10.500.60	£481.88	£2,891.25	2000.16.500.60	£709.91	£4,259.44	
560mm	2000.10.560.60	£602.93	£3,617.60	2000.16.560.60	£888.70	£5,332.22	
630mm	2000.10.630.60	£763.19	£4,579.15	2000.16.630.60	£1,125.47	£6,752.81	

For Sizes above 630mm please enquire

Polyethylene Fittings

SDR17/PN10 Elbow 90° Long Spigot

SDR11/PN16 Elbow 90° Long Spigot

Code: HPPEE



Nominal Size	Code	Price each	Code	Price each
25	-		2001.16.25.90	£7.36
32	-		2001.16.32.90	£7.95
40	-		2001.16.40.90	£8.52
50	-		2001.16.50.90	£11.82
63	2001.10.63.90	£14.34	2001.16.63.90	£15.70
75	2001.10.75.90	£19.58	2001.16.75.90	£21.31
90	2001.10.90.90	£25.00	2001.16.90.90	£27.32
110	2001.10.110.90	£47.10	2001.16.110.90	£51.74
125	2001.10.125.90	£66.66	2001.16.125.90	£73.25
140	2001.10.140.90	£91.85	2001.16.140.90	£100.77
160	2001.10.160.90	£100.58	2001.16.160.90	£110.46
180	2001.10.180.90	£122.47	2001.16.180.90	£134.49
200	2001.10.200.90	£170.53	2001.16.200.90	£207.36
225	2001.10.225.90	£229.63	2001.16.225.90	£251.92
250	2001.10.250.90	£326.52	2001.16.250.90	£384.28
280	2001.10.280.90	£695.70	2001.16.280.90	£764.48
315	2001.10.315.90	£717.01	2001.16.315.90	£786.77
450	2001.10.450.90	£2,132.92	-	
630	2001.10.630.90	£4,796.19	-	
800	2001.10.800.90	£9,810.40	-	
1000	2001.10.1000.90	£8,981.82	-	

SDR17/PN10 Elbow 45° Long Spigot

SDR11/PN16 Elbow 45° Long Spigot

Code: HPPEE







Nominal Size	Code	Price each	Code	Price each
32	-		2001.16.32.45	£7.36
40	-		2001.16.40.45	£7.95
50	-		2001.16.50.45	£10.47
63	2001.10.63.45	£14.34	2001.16.63.45	£15.70
75	2001.10.75.45	£18.80	2001.16.75.45	£20.54
90	2001.10.90.45	£23.64	2001.16.90.45	£25.97
110	2001.10.110.45	£45.93	2001.16.110.45	£50.38
125	2001.10.125.45	£66.47	2001.16.125.45	£73.05
140	2001.10.140.45	£84.11	2001.16.140.45	£92.25
160	2001.10.160.45	£97.86	2001.16.160.45	£107.55
180	2001.10.180.45	£115.11	2001.16.180.45	£126.35
200	2001.10.200.45	£157.75	2001.16.200.45	£173.24
225	2001.10.225.45	£202.90	2001.16.225.45	£222.85
250	2001.10.250.45	£280.41	2001.16.250.45	£308.13
280	2001.10.280.45	£589.11	2001.16.280.45	£647.24
315	2001.10.315.45	£610.42	2001.16.315.45	£668.56

Prices shown are for one item excluding VAT

Sales and enquiries please contact: 01622 795 225

PE100

Polyethylene Fittings

SDR17/PN10 90° Fabricated Bend						SDR11/PN16 90° Fabricated Bend					
Code: HPPEF						Code: HPPEF					
	Nominal Size	Code	Price each		Price each		Nominal Size	Code	Price each		Price each
	355	2001.10.355.90.F	£1,024.65				355	2001.16.355.90.F			£1,542.19
	400	2001.10.400.90.F	£1,305.88				400	2001.16.400.90.F			£1,942.46
	450	2001.10.450.90.F	£2,092.88				450	2001.16.450.90.F			£3,119.71
	500	2001.10.500.90.F	£3,095.72				500	2001.16.500.90.F			£4,685.44
	560	2001.10.560.90.F	£3,618.95				560	2001.16.560.90.F			£5,822.87
	630	2001.10.630.90.F	£4,796.19				630	2001.16.630.90.F			£7,769.83
	710	2001.10.710.90.F	£7,630.31				710	2001.16.710.90.F			POA
	800	2001.10.800.90.F	£9,810.40				800	2001.16.800.90.F			POA
	900	2001.10.900.90.F	£12,862.52				900	2001.16.900.90.F			POA
	1000	2001.10.1000.90.F	£16,023.64				1000	2001.16.1000.90.F			POA
SDR17/PN10 60° Fabricated Bend						SDR11/PN16 60° Fabricated Bend					
Code: HPPEF						Code: HPPEF					
	Nominal Size	Code	Price each		Price each		Nominal Size	Code	Price each		Price each
	355	2001.10.355.60.F	£850.24				355	2001.16.355.60.F			£906.92
	400	2001.10.400.60.F	£1,111.84				400	2001.16.400.60.F			£1,188.15
	450	2001.10.450.60.F	£1,896.68				450	2001.16.450.60.F			£2,398.10
	500	2001.10.500.60.F	£2,452.59				500	2001.16.500.60.F			£3,052.12
	560	2001.10.560.60.F	£2,616.11				560	2001.16.560.60.F			£4,033.16
	630	2001.10.630.60.F	£3,073.93				630	2001.16.630.60.F			£5,450.22
	710	2001.10.710.60.F	£5,886.23				710	2001.16.710.60.F			POA
	800	2001.10.800.60.F	£7,521.30				800	2001.16.800.60.F			POA
	900	2001.10.900.60.F	£9,483.38				900	2001.16.900.60.F			POA
	1000	2001.10.1000.60.F	£11,990.48				1000	2001.16.1000.60.F			POA
SDR17/PN10 45° Fabricated Bend						SDR11/PN16 45° Fabricated Bend					
Code: HPPEF						Code: HPPEF					
	Nominal Size	Code	Price each		Price each		Nominal Size	Code	Price each		Price each
	355	2001.10.355.45.F	£839.33				355	2001.16.355.45.F			£872.03
	400	2001.10.400.45.F	£1,046.44				400	2001.16.400.45.F			£2,136.49
	450	2001.10.450.45.F	£1,711.37				450	2001.16.450.45.F			£2,919.57
	500	2001.10.500.45.F	£2,125.58				500	2001.16.500.45.F			£4,238.10
	560	2001.10.560.45.F	£2,408.99				560	2001.16.560.45.F			£5,768.50
	630	2001.10.630.45.F	£2,681.51				630	2001.16.630.45.F			£6,387.65
	710	2001.10.710.45.F	£5,668.23				710	2001.16.710.45.F			POA
	800	2001.10.800.45.F	£7,085.29				800	2001.16.800.45.F			POA
	900	2001.10.900.45.F	£9,156.36				900	2001.16.900.45.F			POA
	1000	2001.10.1000.45.F	£11,227.45				1000	2001.16.1000.45.F			£5,973.12
SDR17/PN10 30° Fabricated Bend						SDR11/PN16 30° Fabricated Bend					
Code: HPPEF						Code: HPPEF					
	Nominal Size	Code	Price each		Price each		Nominal Size	Code	Price each		Price each
	355	2001.10.355.30.F	£688.91				355	2001.16.355.30.F			£893.84
	400	2001.10.400.30.F	£926.54				400	2001.16.400.30.F			£1,212.12
	450	2001.10.450.30.F	£1,085.69				450	2001.16.450.30.F			£1,286.25
	500	2001.10.500.30.F	£1,580.56				500	2001.16.500.30.F			£1,765.87
	560	2001.10.560.30.F	£1,624.16				560	2001.16.560.30.F			£3,488.14
	630	2001.10.630.30.F	£1,959.90				630	2001.16.630.30.F			£3,261.77
	710	2001.10.710.30.F	£3,749.75				710	2001.16.710.30.F			POA
	800	2001.10.800.30.F	£4,796.19				800	2001.16.800.30.F			POA
	900	2001.10.900.30.F	£6,213.25				900	2001.16.900.30.F			POA
	1000	2001.10.1000.30.F	£7,630.31				1000	2001.16.1000.30.F			POA

Prices shown are for one item excluding VAT

Sales and enquiries please contact: 01622 795 225

Polyethylene Fittings

SDR17/PN10 Tee 90° Long Spigot

SDR11/PN16 Tee 90° Long Spigot

Code: HPPEF



Nominal Size	Code	Price each	Code	Price each
25	-		2004.16.25.90	£9.11
32	-		2004.16.32.90	£10.07
40	-		2004.16.40.90	£11.82
50	-		2004.16.50.90	£13.37
63	2004.10.63.90	£16.66	2004.16.63.90	£18.03
75	2004.10.75.90	£22.48	2004.16.75.90	£24.61
90	2004.10.90.90	£35.66	2004.16.90.90	£39.14
110	2004.10.110.90	£52.71	2004.16.110.90	£57.75
125	2004.10.125.90	£79.84	2004.16.125.90	£87.58
140	2004.10.140.90	£116.07	2004.16.140.90	£127.50
160	2004.10.160.90	£147.09	2004.16.160.90	£161.62
180	2004.10.180.90	£198.25	2004.16.180.90	£217.82
200	2004.10.200.90	£251.92	2004.16.200.90	£280.98
225	2004.10.225.90	£343.00	2004.16.225.90	£377.88
250	2004.10.250.90	£503.84	2004.16.250.90	£561.98
280	2004.10.280.90	£891.41	2004.16.280.90	£978.62
315	2004.10.315.90	£912.72	2004.16.315.90	£1,003.80
355	2004.10.355.90	£1,453.39	2004.16.355.90	£1,879.72
400	2004.10.400.90	£2,228.53	2004.16.400.90	£2,693.62
450	2004.10.450.90	£3,507.51	2004.16.450.90	£2,809.89
500	2004.10.500.90	£3,972.61	2004.16.500.90	£4,883.39
560	2004.10.560.90	£4,902.77	2004.16.560.90	POA
630	2004.10.630.90	£6,821.25	2004.16.630.90	POA

For Sizes above 630mm please enquire

SDR17/PN10 Reduced Tee 90° Long Spigot

SDR11/PN16 Reduced Tee 90° Long Spigot

Code: HPPEF



Nominal Size	Code	Price each	Code	Price each
90x50	2004.10.90X50.90	£41.09	2004.16.90x50.90	£44.96
90x63	2004.10.90X63.90	£41.09	2004.16.90x63.90	£44.96
110x50	2004.10.110x50.90	£60.46	2004.16.110x50.90	£66.47
110x63	2004.10.110X63.90	£60.46	2004.16.110x63.90	£66.47
110x90	2004.10.110X90.90	£60.46	2004.16.110x90.90	£66.47
125x63	2004.10.125x63.90	£91.47	2004.16.125x63.90	£100.58
125x90	2004.10.125x90.90	£91.47	2004.16.125x90.90	£100.58
140x63	2004.10.140x63.90	£133.51	2004.16.140x63.90	£146.69
140x90	2004.10.140x90.90	£133.51	2004.16.140x90.90	£146.69
160x63	2004.10.160X63.90	£169.36	2004.16.160x63.90	£186.03
160x90	2004.10.160X90.90	£169.36	2004.16.160x90.90	£186.03
160x110	2004.10.160X110.90	£169.36	2004.16.160x110.90	£186.03
160x125	2004.10.160x125.90	£169.36	2004.16.160x125.90	£186.03
180x63	-		2004.16.180x63.90	£249.79

Prices shown are for one item excluding VAT

• Short Spigot

Sales and enquiries please contact: 01622 795 225

PE100

Polyethylene Fittings



SDR17/PN10 Reduced Tee 90° Long Spigot				SDR11/PN16 Reduced Tee 90° Long Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	180x90	2004.10.180x90.90	£227.31	2004.16.180x90.90	£249.79
	180x110	2004.10.180x110.90	£294.56	2004.16.180x110.90	£319.75
	180x125	2004.10.180x125.90	£227.31	2004.16.180x125.90	£249.79
	200x63	2004.10.200x63.90	£335.63	2004.16.200x63.90	£368.77
	200x90	2004.10.200x90.90	£335.63	2004.16.200x90.90	£368.77
	200x110	2004.10.200x110.90	£335.63	2004.16.200x110.90	£368.77
	200x160	2004.10.200x160.90	£335.63	2004.16.200x160.90	£368.77
	200x180	2004.10.200x180.90	£403.07	2004.16.200x180.90	£437.95
	225x90	2004.10.225x90.90	£403.85	2004.16.225x90.90	£443.77
	225x125	2004.10.225x125.90	£403.85	2004.16.225x125.90	£443.77
	225x160	2004.10.225x160.90	£403.85	2004.16.225x160.90	£443.77
	225x180	2004.10.225x180.90	£403.85	2004.16.225x180.90	£443.77
	250x110	2004.10.250x110.90	£659.84	2004.16.250x110.90	£725.15
	250x160	2004.10.250x160.90	£659.84	2004.16.250x160.90	£725.15
	315x110	2004.10.315x110.90	£1,048.38	2004.16.315x110.90	£1,153.03
	315x160	2004.10.315x160.90	£1,048.38	2004.16.315x160.90	£1,153.03
	315x180	2004.10.315x180.90	£1,048.38	2004.16.315x180.90	£1,153.03
	315x200	2004.10.315x200.90	£1,048.38	2004.16.315x200.90	£1,153.03
	315x225	2004.10.315x225.90	£1,048.38	2004.16.315x225.90	£1,153.03
	355x110	2004.10.355x110.90	£1,756.18	2004.16.355x110.90	£2,255.78
	355x160	2004.10.355x160.90	£1,756.18	2004.16.355x160.90	£2,255.78
	355x225	2004.10.355x225.90	£1,756.18	2004.16.355x225.90	£2,255.78
	400x110	2004.10.400x110.90	£2,694.83	2004.16.400x110.90	£3,239.85
	400x160	2004.10.400x160.90	£2,694.83	2004.16.400x160.90	£3,239.85
	400x225	2004.10.400x225.90	£2,694.83	2004.16.400x225.90	£3,239.85
	500x250	-		2004.16.500x250.90	£7,474.10
	560x250	2004.10.560x250.90	POA	2004.16.560x250.90	£5,450.22

SDR17/PN10 Assembled Reduced Tee 90° Long Spigot				SDR11/PN16 Assembled Reduced Tee 90° Long Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	50x25	-		2004.16.50x25.90	£25.20
	50x32	-		2004.16.50x32.90	£25.20
	50x40	-		2004.16.50x40.90	£25.20
	63x25	-		2004.16.63x25.90	£31.98
	63x32	-		2004.16.63x32.90	£31.98
	63x40	-		2004.16.63x40.90	£31.98
	63x50	-		2004.16.63x50.90	£31.98
	75x32	-		2004.16.75x32.90	£42.64
	75x40	-		2004.16.75x40.90	£42.64
	75x50	-		2004.16.75x50.90	£42.64
	75x63	2004.10.75x63.90	£39.34	2004.16.75x63.90	£42.64
	90x75	2004.10.90x75.90	£57.94	2004.16.90x75.90	£62.98
	110x75	2004.10.110x75.90	£82.56	2004.16.110x75.90	£87.98
	125x75	2004.10.125x75.90	£122.86	2004.16.125x75.90	£114.14

Prices shown are for one item excluding VAT

Sales and enquiries please contact: 01622 795 225

PE100

Polyethylene Fittings

Code: HPPEF




SDR17/PN10 Assembled Reduced Tee 90° Long Spigot			SDR11/PN16 Assembled Reduced Tee 90° Long Spigot		
Nominal Size	Code	Price each	Code	Price each	
125x110	2004.10.125x110.90	£122.86	2004.16.125x110.90	£114.14	
140x110	2004.10.140x110.90	£182.16	2004.16.140x110.90	£197.67	
140x125	2004.10.140x125.90	£182.16	2004.16.140x125.90	£197.67	
160x140	2004.10.160x140.90	£228.67	2004.16.160x140.90	£248.05	
180x110	2004.10.180x110.90	£294.56	2004.16.180x110.90	£319.75	
180x140	2004.10.180x140.90	£294.56	2004.16.180x140.90	£319.75	
180x160	2004.10.180x160.90	£294.56	2004.16.180x160.90	£319.75	
200x140	2004.10.200x140.90	£403.07	2004.16.200x140.90	£437.95	
200x180	2004.10.200x180.90	£403.07	2004.16.200x180.90	£437.95	
225x200	-	-	2004.16.225x200.90	£560.04	
250x200	2004.10.250x200.90	£779.02	2004.16.250x200.90	£846.85	
250x225	2004.10.250x225.90	£779.02	2004.16.250x225.90	£846.85	
280x200	2004.10.280x200.90	£1,203.41	2004.16.280x200.90	£1,308.05	
280x225	2004.10.280x225.90	£1,203.41	2004.16.280x225.90	£1,308.05	
280x250	2004.10.280x250.90	£1,203.41	2004.16.280x250.90	£1,308.05	
315x250	2004.10.315x250.90	£1,308.05	2004.16.315x250.90	£1,420.44	
315x280	2004.10.315x280.90	£1,308.05	2004.16.315x280.90	£1,420.44	
355x250	2004.10.355x250.90	£1,821.58	2004.16.355x250.90	£2,344.81	
355x280	2004.10.355x280.90	£1,821.58	2004.16.355x280.90	£2,344.81	
355x315	2004.10.355x315.90	£1,821.58	2004.16.355x315.90	£2,344.81	
400x280	2004.10.400x280.90	£2,848.65	2004.16.400x280.90	£3,468.76	
400x315	2004.10.400x315.90	£2,848.65	2004.16.400x315.90	£3,468.76	
400x355	2004.10.400x355.90	£2,848.65	2004.16.400x355.90	£3,468.76	
450x315	2004.10.450x315.90	£3,720.68	2004.16.450x315.90	£4,650.85	
450x355	2004.10.450x355.90	£3,720.68	2004.16.450x355.90	£4,650.85	
450x400	2004.10.450x400.90	£3,720.68	2004.16.450x400.90	£4,650.85	
500x355	2004.10.500x355.90	£5,212.83	2004.16.500x355.90	£6,530.57	
500x400	2004.10.500x400.90	£5,212.83	2004.16.500x400.90	£6,530.57	
500x450	2004.10.500x450.90	£5,212.83	2004.16.500x450.90	£6,530.57	
560x400	2004.10.560x400.90	£6,588.71	2004.16.560x400.90	£5,450.22	
560x450	2004.10.560x450.90	£6,511.19	2004.16.560x450.90	£5,450.22	
560x500	2004.10.560x500.90	£6,511.19	2004.16.560x500.90	£5,450.22	
630x450	2004.10.630x450.90	£8,817.25	2004.16.630x450.90	POA	
630x500	2004.10.630x500.90	£8,817.25	2004.16.630x500.90	POA	
630x560	2004.10.630x560.90	£8,817.25	2004.16.630x560.90	POA	

Prices shown are for one item excluding VAT

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Polyethylene Fittings

SDR17/PN10 Large Diameter Reduced Tee 90° Long Spigot				SDR11/PN16 Large Diameter Reduced Tee 90° Long Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	355x90	2004.10.355x90.90	£1,879.72	2004.16.355x90.90	£2,092.88
	355x110	2004.10.355x110.90	£1,756.18	2004.16.355x110.90	£2,255.78
	355x125	2004.10.355x125.90	£1,879.72	2004.16.355x125.90	£2,092.88
	355x140	2004.10.355x140.90	£2,005.68	2004.16.355x140.90	£2,228.53
	355x160	2004.10.355x160.90	£1,756.18	2004.16.355x160.90	£2,255.78
	355x180	2004.10.355x180.90	£2,005.68	2004.16.355x180.90	£2,228.53
	400x90	2004.10.400x90.90	£2,228.53	2004.16.400x90.90	£2,480.45
	400x110	2004.10.400x110.90	£2,694.83	2004.16.400x110.90	£3,239.85
	400x125	2004.10.400x125.90	£2,228.53	2004.16.400x125.90	£2,480.45
	400x140	2004.10.400x140.90	£2,228.53	2004.16.400x140.90	£2,480.45
	400x160	2004.10.400x160.90	£2,694.83	2004.16.400x160.90	£3,239.85
	400x180	2004.10.400x180.90	£2,402.94	2004.16.400x180.90	£2,674.24
	450x90	2004.10.450x90.90	£2,519.21	2004.16.450x90.90	£2,809.89
	450x110	2004.10.450x110.90	£2,519.21	2004.16.450x110.90	£2,809.89
	450x125	2004.10.450x125.90	£2,519.21	2004.16.450x125.90	£2,809.89
	450x140	2004.10.450x140.90	£2,519.21	2004.16.450x140.90	£2,809.89
	450x160	2004.10.450x160.90	£2,519.21	2004.16.450x160.90	£2,809.89
	450x180	2004.10.450x180.90	£2,751.76	2004.16.450x180.90	£2,809.89
	450x200	2004.10.450x200.90	£2,751.76	2004.16.450x200.90	£3,061.81
	500x90	2004.10.500x90.90	£3,003.68	2004.16.500x90.90	£3,333.12
	500x110	2004.10.500x110.90	£3,003.68	2004.16.500x110.90	£3,333.12
	500x125	2004.10.500x125.90	£3,003.68	2004.16.500x125.90	£3,333.12
	500x140	2004.10.500x140.90	£3,003.68	2004.16.500x140.90	£3,333.12
	500x160	2004.10.500x160.90	£3,003.68	2004.16.500x160.90	£3,333.12
	500x180	2004.10.500x180.90	£3,274.97	2004.16.500x180.90	£3,643.17
	500x200	2004.10.500x200.90	£3,274.97	2004.16.500x200.90	£3,643.17
	500x225	2004.10.500x225.90	£3,274.97	2004.16.500x225.90	£4,723.52

SDR17/PN10 Large Diameter Reduced Tee 90° Short Spigot				SDR11/PN16 Large Diameter Reduced Tee 90° Short Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	560x90	-		2004.16.560x90.90SS	£3,585.04
	560x110	-		2004.16.560x110.90SS	£3,585.04
	560x125	-		2004.16.560x125.90SS	£3,585.04
	560x140	-		2004.16.560x140.90SS	£3,585.04
	560x160	-		2004.16.560x160.90SS	£3,585.04
	560x180	-		2004.16.560x180.90SS	£3,585.04
	560x200	-		2004.16.560x200.90SS	£3,585.04
	630x90	-		2004.16.630x90.90SS	£4,030.74
	630x110	-		2004.16.630x110.90SS	£4,030.74
	630x125	-		2004.16.630x125.90SS	£4,030.74
	630x140	-		2004.16.630x140.90SS	£4,030.74
	630x160	-		2004.16.630x160.90SS	£4,030.74
	630x180	-		2004.16.630x180.90SS	£4,030.74
	630x200	-		2004.16.630x200.90SS	£4,030.74

Prices shown are for one item excluding VAT

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Polyethylene Fittings





SDR17/PN10 Large Diameter Reduced Tee 90° Short Spigot				SDR11/PN16 Large Diameter Reduced Tee 90° Short Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	630x225	-		2004.16.630x225.90SS	£4,030.74
	710x90	-		2004.16.710x90.90SS	£7,170.07
	710x110	-		2004.16.710x110.90SS	£7,170.07
	710x125	-		2004.16.710x125.90SS	£7,170.07
	710x140	-		2004.16.710x140.90SS	£7,170.07
	710x160	-		2004.16.710x160.90SS	£7,170.07
	710x180	-		2004.16.710x180.90SS	£7,170.07
	710x200	-		2004.16.710x200.90SS	£7,170.07
	710x225	-		2004.16.710x225.90SS	£7,170.07
	710x250	-		2004.16.710x250.90SS	£7,170.07
	800x90	-		2004.16.800x90.90SS	£8,429.67
	800x110	-		2004.16.800x110.90SS	£8,429.67
	800x125	-		2004.16.800x125.90SS	£8,429.67
	800x140	-		2004.16.800x140.90SS	£8,429.67
	800x160	-		2004.16.800x160.90SS	£8,429.67
	800x180	-		2004.16.800x180.90SS	£8,429.67
	800x200	-		2004.16.800x200.90SS	£8,429.67
	800x225	-		2004.16.800x225.90SS	£8,720.35
	800x250	-		2004.16.800x250.90SS	£8,720.35
	900x90	-		2004.16.900x90.90SS	POA
900x110	-		2004.16.900x110.90SS	POA	
900x125	-		2004.16.900x125.90SS	POA	
900x140	-		2004.16.900x140.90SS	POA	
900x160	-		2004.16.900x160.90SS	POA	
900x180	-		2004.16.900x180.90SS	POA	
SDR17/PN10 Tee 45° Long Spigot				SDR11/PN16 Tee 45° Long Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	63	2004.10.63.45	£34.88	2004.16.63.45	£38.76
	75	2004.10.75.45	POA	2004.16.75.45	£197.58
	90	2004.10.90.45	£67.82	2004.16.90.45	£75.59
	110	2004.10.110.45	£102.71	2004.16.110.45	£112.39
	125	2004.10.125.45	£172.47	2004.16.125.45	£189.90
	140	2004.10.140.45	POA	2004.16.140.45	£164.90
	160	2004.10.160.45	£327.50	2004.16.160.45	£360.44
	200	-		2004.16.200.45	£785.55
	225	-		2004.16.225.45	£1,231.73
	280	-		2004.16.280.45	£1,907.57
	315	-		2004.16.315.45	£1,907.57
	355	-		2004.16.355.45	£2,703.30
	400	-		2004.16.400.45	£2,996.41
	SDR17/PN10 Long Y Spigot				SDR11/PN16 Long Y Spigot
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	32X25	-		2006.16.32x25	£38.37
	40X32	-		2006.16.40x32	£40.69
	50X40	-		2006.16.50x40	£42.64

Prices shown are for one item excluding VAT

Sales and enquiries please contact: 01622 795 225

PE100

Polyethylene Fittings

SDR17/PN10 45° Fabricated Tee				SDR11/PN16 45° Fabricated Tee	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	180	2004.10.180.45.F	£394.60	2004.16.180.45.F	£555.93
	200	2004.10.200.45.F	£606.07	2004.16.200.45.F	£850.24
	225	2004.10.225.45.F	£882.94	2004.16.225.45.F	£1,231.75
	250	-	-	2004.16.250.45.F	£1,580.56
	280	2004.10.280.45.F	£1,362.55	2004.16.280.45.F	£1,907.57
	315	2004.10.315.45.F	£1,613.26	2004.16.315.45.F	£2,256.39
	355	2004.10.355.45.F	£1,972.98	2004.16.355.45.F	£2,703.30
	400	2004.10.400.45.F	£3,008.52	2004.16.400.45.F	£4,207.56
	450	2004.10.450.45.F	£3,924.15	2004.16.450.45.F	POA
	500	2004.10.500.45.F	£5,515.62	2004.16.500.45.F	POA
SDR17/PN10 Fabricated Cross				SDR11/PN16 Fabricated Cross	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	180	2005.10.180.F	POA	2005.16.180.F	£654.55
	200	2005.10.200.F	POA	2005.16.200.F	£965.34
	225	2005.10.225.F	POA	2005.16.225.F	£1,106.62
	250	2005.10.250.F	POA	2005.16.250.F	£1,930.68
	280	2005.10.280.F	POA	2005.16.280.F	£2,966.67
	315	2005.10.315.F	POA	2005.16.315.F	£3,037.30
	355	2005.10.355.F	POA	2005.16.355.F	£4,591.27
	400	2005.10.400.F	POA	2005.16.400.F	£6,710.31
	450	2005.10.450.F	POA	2005.16.450.F	£8,593.90
	500	2005.10.500.F	POA	2005.16.500.F	POA
	560	2005.10.560.F	POA	2005.16.560.F	£16,246.00
	630	2005.10.630.F	POA	2005.16.630.F	£23,898.12
SDR17/PN10 Long Cross Spigot				SDR11/PN16 Long Cross Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	63	-	-	2005.16.63	£50.38
	75	-	-	2005.16.75	£75.59
	90	-	-	2005.16.90	£116.28
	110	2005.10.110	£156.97	2005.16.110	£174.41
	125	2005.10.125	£236.42	2005.16.125	£261.61
	160	2005.10.160	£399.20	2005.16.160	£439.90
SDR17/PN10 Reduced Long Cross Spigot				SDR11/PN16 Reduced Long Cross Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	110x63	-	-	2005.16.110x63	£199.59
	110x90	-	-	2005.16.110x90	£199.59
	125x90	-	-	2005.16.125x90	£298.44
	160x90	-	-	2005.16.160x90	£507.72

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Polyethylene Fittings

		SDR17/PN10 Reducer Long Spigot		SDR11/PN16 Reducer Long Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	25x20	-		2024.16.25x20	£9.69
	32x20	-		2024.16.32x20	£9.69
	32x25	-		2024.16.32x25	£9.69
	40x20	-		2024.16.40x20	£9.69
	40x25	-		2024.16.40x25	£9.69
	40x32	-		2024.16.40x32	£9.69
	50x25	-		2024.16.50x25	£9.69
	50x32	-		2024.16.50x32	£9.69
	50x40	-		2024.16.50x40	£9.69
	63x25	-		2024.16.63x25	£11.04
	63x32	-		2024.16.63x32	£11.04
	63x40	-		2024.16.63x40	£11.04
	63x50	-		2024.16.63x50	£11.04
	75x32	-		2024.16.75x32	£13.57
	75x40	-		2024.16.75x40	£13.57
	75x50	-		2024.16.75x50	£13.57
	75x63	2024.10.75x63	£12.60	2024.16.75x63	£13.57
	90x50	2024.10.90x50	£16.66	2024.16.90x50	£18.03
	90x63	2024.10.90x63	£16.66	2024.16.90x63	£18.03
	90x75	2024.10.90x75	£16.66	2024.16.90x75	£18.03
	110x50	2024.10.110x50	£21.89	2024.16.110x50	£23.84
	110x63	2024.10.110x63	£21.89	2024.16.110x63	£23.84
	110x75	2024.10.110x75	£21.89	2024.16.110x75	£23.84
	110x90	2024.10.110x90	£21.89	2024.16.110x90	£23.84
	125x63	2024.10.125x63	£31.00	2024.16.125x63	£33.72
	125x75	2024.10.125x75	£31.00	2024.16.125x75	£33.72
	125x90	2024.10.125x90	£31.00	2024.16.125x90	£33.72
	125x110	2024.10.125x110	£31.00	2024.16.125x110	£33.72
140x90	2024.10.140x90	£48.25	2024.16.140x90	£52.33	
140x110	2024.10.140x110	£48.25	2024.16.140x110	£52.33	
140x125	2024.10.140x125	£48.25	2024.16.140x125	£52.33	
160x90	2024.10.160x90	£58.34	2024.16.160x90	£63.36	
160x110	2024.10.160x110	£58.34	2024.16.160x110	£63.36	
160x125	2024.10.160x125	£58.34	2024.16.160x125	£63.36	
160x140	2024.10.160x140	£58.34	2024.16.160x140	£63.36	
180x63	2024.10.180x63	£67.24	2024.16.180x63	£73.05	
180x110	2024.10.180x110	£67.24	2024.16.180x110	£73.05	
180x125	2024.10.180x125	£67.24	2024.16.180x125	£73.05	
180x140	2024.10.180x140	£67.24	2024.16.180x140	£73.05	
180x160	2024.10.180x160	£67.24	2024.16.180x160	£73.05	
200x90	2024.10.200x90	£88.36	2024.16.200x90	£145.34	
200x110	2024.10.200x110	£88.36	2024.16.200x110	£145.34	

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PE100

Polyethylene Fittings


		SDR17/PN10 Reducer Long Spigot			SDR11/PN16 Reducer Long Spigot		
Code: HPPEF	Nominal Size	Code	Price each		Code	Price each	
	200x125	2024.10.200x125	£88.36		2024.16.200x125	£145.34	
	200x140	2024.10.200x140	£88.36		2024.16.200x140	£95.93	
	200x160	2024.10.200x160	£88.36		2024.16.200x160	£95.93	
	200x180	2024.10.200x180	£88.36		2024.16.200x180	£95.93	
	225x110	-			2024.16.225x110	£145.34	
	225x160	2024.10.225x160	£120.34		2024.16.225x160	£130.81	
	225x180	2024.10.225x180	£120.34		2024.16.225x180	£130.81	
	225x200	2024.10.225x200	£120.34		2024.16.225x200	£130.81	
	250x180	2024.10.250x180	£160.84		2024.16.250x180	£174.41	
	250x200	2024.10.250x200	£160.84		2024.16.250x200	£174.41	
	250x225	2024.10.250x225	£160.84		2024.16.250x225	£174.41	
	315x225	2024.10.315x225	£263.54		2024.16.315x225	£286.80	
	315x250	2024.10.315x250	£263.54		2024.16.315x250	£286.80	
			SDR17/PN10 Reducer Long Spigot			SDR11/PN16 Reducer Long Spigot	
Code: HPPEF	Nominal Size	Code	Price each		Code	Price each	
	250x160	2024.10.250x160SS	£116.28		2024.16.250x160SS	£135.65	
	250x180	2024.10.250x180SS	£116.28		2024.16.250x180SS	£135.65	
	250x200	2024.10.250x200SS	£116.28		2024.16.250x200SS	£135.65	
	250x225	2024.10.250x225SS	£116.28		2024.16.250x225SS	£135.65	
	280x200	2024.10.280x200SS	£135.65		2024.16.280x200SS	£162.78	
	280x225	2024.10.280x225SS	£135.65		2024.16.280x225SS	£162.78	
	280x250	2024.10.280x250SS	£135.65		2024.16.280x250SS	£162.78	
	315x225	2024.10.315x225SS	£143.41		2024.16.315x225SS	£172.47	
	315x250	2024.10.315x250SS	£143.41		2024.16.315x250SS	£172.47	
	315x280	2024.10.315x280SS	£143.41		2024.16.315x280SS	£172.47	
	355x225	-			2024.16.355x225SS	£436.02	
	355x250	2024.10.355x250SS	£174.41		2024.16.355x250SS	£211.23	
	355x280	2024.10.355x280SS	£174.41		2024.16.355x280SS	£211.23	
	355x315	2024.10.355x315SS	£174.41		2024.16.355x315SS	£211.23	
	400x280	2024.10.400x280SS	£319.75		2024.16.400x280SS	£403.07	
	400x315	2024.10.400x315SS	£319.75		2024.16.400x315SS	£403.07	
	400x355	2024.10.400x355SS	£319.75		2024.16.400x355SS	£403.07	
	450x250	-			2024.16.450x250SS	£726.70	
	450x315	2024.10.450x315SS	£505.77		2024.16.450x315SS	£639.49	
	450x355	2024.10.450x355SS	£505.77		2024.16.450x355SS	£639.49	
	450x400	2024.10.450x400SS	£505.77		2024.16.450x400SS	£639.49	
	500x355	2024.10.500x355SS	£794.52		2024.16.500x355SS	£945.67	
	500x400	2024.10.500x400SS	£794.52		2024.16.500x400SS	£945.67	
	500x450	2024.10.500x450SS	£794.52		2024.16.500x450SS	£945.67	
	560x400	2024.10.560x400SS	£978.62		2024.16.560x400SS	£1,317.75	
	560x450	2024.10.560x450SS	£910.80		2024.16.560x450SS	£1,220.85	
	560x500	2024.10.560x500SS	£910.80		2024.16.560x500SS	£1,220.85	
	630x450	2024.10.630x450SS	£1,201.47		2024.16.630x450SS	£1,511.52	
	630x500	2024.10.630x500SS	£1,201.47		2024.16.630x500SS	£1,511.52	
	630x560	2024.10.630x560SS	£1,201.47		2024.16.630x560SS	£1,511.52	

Prices shown are for one item excluding VAT

Sales and enquiries please contact: 01622 795 225

Polyethylene Fittings

SDR17/PN10 Reducer Long Spigot				SDR11/PN16 Reducer Long Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	710x560	2024.10.710x560SS	POA	2024.16.710x560SS	£2,499.83
	710x630	2024.10.710x630SS	POA	2024.16.710x630SS	£2,499.83
	800x710	2024.10.800x710SS	POA	-	
	900x500	2024.10.900x500SS	POA	-	
	1000x900	2024.10.1000x900SS	POA	-	
	1200x1000	2024.10.1200x1000SS	POA	-	

SDR17/PN10 Stub Flange Long Spigot				SDR11/PN16 Stub Flange Long Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	25	-		2012.16.25	£7.75
	32	-		2012.16.32	£8.34
	40	-		2012.16.40	£9.11
	50	-		2012.16.50	£10.07
	63	2012.10.63	£9.89	2012.16.63	£10.85
	75	2012.10.75	£12.41	2012.16.75	£13.57
	90	2012.10.90	£16.28	2012.16.90	£17.83
	110	2012.10.110	£21.31	2012.16.110	£22.67
	125	2012.10.125	£23.64	2012.16.125	£25.77
	140	2012.10.140	£31.00	2012.16.140	£34.11
	160	2012.10.160	£37.20	2012.16.160	£40.69
	180	2012.10.180	£60.66	2012.16.180	£66.66
	200	2012.10.200	£72.28	2012.16.200	£79.45
	225	2012.10.225	£77.51	2012.16.225	£85.27
	250	2012.10.250	£118.20	2012.16.250	£129.84
	280	2012.10.280	£172.47	2012.16.280	£189.90
	315	2012.10.315	£194.75	2012.16.315	£213.16
	355	2012.10.355	£331.36	2012.16.355	£364.31
	400	2012.10.400	£678.25	2012.16.400	£746.08




SDR17/PN10 Stub Flange Short Spigot				SDR11/PN16 Stub Flange Short Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	63	2012.10.63SS	£9.30	2012.16.63SS	£9.69
	75	2012.10.75SS	£11.04	2012.16.75SS	£11.43
	90	2012.10.90SS	£15.12	2012.16.90SS	£16.08
	110	2012.10.110SS	£17.63	2012.16.110SS	£19.19
	125	2012.10.125SS	£20.72	2012.16.125SS	£22.48
	140	2012.10.140SS	£26.55	2012.16.140SS	£29.07
	160	2012.10.160SS	£31.40	2012.16.160SS	£33.91
	180	2012.10.180SS	£52.12	2012.16.180SS	£56.58
	200	2012.10.200SS	£63.95	2012.16.200SS	£69.76
	225	2012.10.225SS	£68.79	2012.16.225SS	£74.80
	250	2012.10.250SS	£89.13	2012.16.250SS	£96.70
	280	2012.10.280SS	£101.74	2012.16.280SS	£117.24
	315	2012.10.315SS	£122.08	2012.16.315SS	£153.10
	355	2012.10.355SS	£182.16	2012.16.355SS	£209.28
	400	2012.10.400SS	£331.36	2012.16.400SS	£397.26
	450	2012.10.450SS	£523.23	2012.16.450SS	£629.80
	500	2012.10.500SS	£542.60	2012.16.500SS	£697.62

Prices shown are for one item excluding VAT

Sales and enquiries please contact: 01622 795 225

PE100

Polyethylene Fittings

SDR17/PN10 Stub Flange Short Spigot				SDR11/PN16 Stub Flange Short Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	560	2012.10.560SS	£755.77	2012.16.560SS	£891.41
	630	2012.10.630SS	£862.34	2012.16.630SS	£1,007.68
	710	2012.10.710SS	£1,123.96	2012.16.710SS	£1,860.34
	800	2012.10.800SS	£1,569.67	2012.16.800SS	£3,197.46
	900	2012.10.900SS	£2,131.65	2012.16.900SS	POA
	1000	2012.10.1000SS	£3,274.97	2012.16.1000SS	POA
	1200	2012.10.1200SS	£6,782.50	2012.16.1200SS	POA
SDR17/PN10 Zinc Coated Steel Backing Ring				SDR11/PN16 Zinc Coated Steel Backing Ring	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	90	-		2016.16.90	£43.60
	110	-		2016.16.110	£52.33
	125	-		2016.16.125	£52.33
	140	-		2016.16.140	£69.76
	160	-		2016.16.160	£84.58
	180	-		2016.16.180	£84.58
	200	2016.10.200	£126.45	2016.16.200	£119.90
	225	2016.10.225	£126.45	2016.16.225	£119.90
	250	2016.10.250	£167.86	2016.16.250	£196.20
	280	2016.10.280	£167.86	2016.16.280	£196.20
	315	2016.10.315	£200.57	2016.16.315	£239.81
	355	2016.10.355	£305.22	2016.16.355	£425.12
	400	2016.10.400	£392.42	2016.16.400	£523.23
	450	2016.10.450	£566.82	2016.16.450	£915.64
	500	2016.10.500	£566.82	2016.16.500	£915.64
	560	2016.10.560	£741.23	2016.16.560	£1,308.05
	630	2016.10.630	£741.23	2016.16.630	£1,308.05
	710	2016.10.710	£937.44	2016.16.710	£1,417.06
	800	2016.10.800	£1,504.26	2016.16.800	£1,765.87
	900	2016.10.900	£1,744.07	2016.16.900	£3,027.86
1000	2016.10.1000	£2,158.28	2016.16.1000	£3,633.48	
1200	2016.10.1200	£3,270.13	2016.16.1200	£4,239.04	
SDR17/PN10 EDPM Gasket (for water use only)				SDR11/PN16 EDPM Gasket (for water use only)	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	25	2014.10.25	£2.18	2014.16.25	£2.18
	32	2014.10.32	£2.18	2014.16.32	£2.18
	40	2014.10.40	£2.83	2014.16.40	£2.83
	50	2014.10.50	£3.27	2014.16.50	£3.27
	63	2014.10.63	£3.70	2014.16.63	£3.70
	75	2014.10.75	£6.11	2014.16.75	£6.11
	90	2014.10.90	£7.41	2014.16.90	£7.41
	110	2014.10.110	£9.81	2014.16.110	£9.81
	125	2014.10.125	£9.81	2014.16.125	£9.81
	140	2014.10.140	£12.20	2014.16.140	£12.20
	160	2014.10.160	£15.92	2014.16.160	£15.92
	180	2014.10.180	£15.92	2014.16.180	£15.92

Prices shown are for one item excluding VAT

Sales and enquiries please contact: 01622 795 225

Polyethylene Fittings

SDR17/PN10 EDPM Gasket (for water use only)				SDR11/PN16 EDPM Gasket (for water use only)	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	200	2014.10.200	£22.90	2014.16.200	£22.90
	225	2014.10.225	£22.90	2014.16.225	£22.90
	250	2014.10.250	£30.52	2014.16.250	£30.52
	280	2014.10.280	£30.52	2014.16.280	£30.52
	315	2014.10.315	£39.25	2014.16.315	£39.25
	355	2014.10.355	£43.60	2014.16.355	£43.60
	400	2014.10.400	£47.96	2014.16.400	£47.96
	450	2014.10.450	£69.76	2014.16.450	£69.76
	500	2014.10.500	£69.76	2014.16.500	£69.76
	560	2014.10.560	£87.20	2014.16.560	£87.20
	630	2014.10.630	£87.20	2014.16.630	£87.20
	710	2014.10.710	£109.00	2014.16.710	£109.00
	800	2014.10.800	£150.43	2014.16.800	£150.43
	900	2014.10.900	£170.06	2014.16.900	POA
	1000	2014.10.1000	£194.03	2014.16.1000	POA
	1200	2014.10.1200	£239.81	2014.16.1200	POA


SDR17/PN10 PP Coated Steel Flange				SDR11/PN16 PP Coated Steel Flange	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	25	2015.10.25	£21.81	-	
	32	2015.10.32	£27.47	2015.16.32	£27.47
	40	2015.10.40	£33.13	2015.16.40	POA
	50	2015.10.50	£36.40	2015.16.50	£36.40
	63	2015.10.63	£46.87	2015.16.63	£46.87
	75	2015.10.75	£53.63	2015.16.75	£53.63
	90	2015.10.90	£58.86	2015.16.90	£58.86
	110	2015.10.110	£76.30	2015.16.110	£76.30
	125	2015.10.125	£76.30	2015.16.125	£76.30
	140	2015.10.140	£100.28	2015.16.140	£100.28
	160	2015.10.160	£126.45	2015.16.160	£126.45
	180	2015.10.180	£126.45	2015.16.180	£126.45
	200	2015.10.200	£156.97	2015.16.200	£196.20
	225	2015.10.225	POA	2015.16.225	£196.20
	250	2015.10.250	POA	2015.16.250	£244.17
	280	2015.10.280	POA	2015.16.280	£244.17
	315	2015.10.315	POA	2015.16.315	£377.16
	355	-		2015.16.355	£784.83
	400	-		2015.16.400	£477.87

Prices shown are for one item excluding VAT

Sales and enquiries please contact: 01622 795 225


PE100

Polyethylene Fittings

		SDR17/PN10 End Cap Long Spigot		SDR11/PN16 End Cap Long Spigot	
Code: HPPEF	Nominal Size	Code	Price each	Code	Price each
	20	-		2030.16.20	£6.97
	25	-		2030.16.25	£6.97
	32	-		2030.16.32	£9.11
	40	-		2030.16.40	£10.65
	50	-		2030.16.50	£12.60
	63	2030.10.63	£13.37	2030.16.63	£14.53
	75	2030.10.75	£15.50	2030.16.75	£16.86
	90	2030.10.90	£19.19	2030.16.90	£20.72
	110	2030.10.110	£28.68	2030.16.110	£31.00
	125	2030.10.125	£32.17	2030.16.125	£34.88
	140	2030.10.140	£52.12	2030.16.140	£56.58
	160	2030.10.160	£53.49	2030.16.160	£58.13
	180	2030.10.180	£64.34	2030.16.180	£69.76
	200	2030.10.200	£104.65	2030.16.200	£113.94
	225	2030.10.225	£129.84	2030.16.225	£141.46
	250	2030.10.250	£141.46	2030.16.250	£153.10
	280	2030.10.280	£180.22	2030.16.280	£195.72
	315	2030.10.315	£321.68	2030.16.315	£348.82

Prices shown are for one item excluding VAT

Electrofusion Fittings SDR11/PN16

		SDR17/PN10 Electrofusion Coupler		SDR11/PN16 Electrofusion Coupler	
Code: HPPEL	øD	Code	Price each	Code	Price each
	20	-		2010.16.20	£8.90
	25	-		2010.16.25	£9.44
	32	-		2010.16.32	£9.64
	40	-		2010.16.40	£9.99
	50	-		2010.16.50	£14.71
	63	-		2010.16.63	£15.62
	75	-		2010.16.75	£24.88
	90	2010.10.90	£24.17	2010.16.90	£26.53
	110	2010.10.110	£29.98	2010.16.110	£33.07
	125	2010.10.125	£42.15	2010.16.125	£46.69
	140	2010.10.140	£52.33	2010.16.140	£57.95
	160	2010.10.160	£55.77	2010.16.160	£61.77
	180	2010.10.180	£78.12	2010.16.180	£86.65
	200	2010.10.200	£89.93	2010.16.200	£99.56
	225	2010.10.225	£109.91	2010.16.225	£122.45
	250	2010.10.250	£174.41	2010.16.250	£209.84
	280	2010.10.280	£228.91	2010.16.280	£265.24
	315	2010.10.315	£263.43	2010.16.315	£311.02
	355	2010.10.355	£454.18	2010.16.355	£563.19
	400	2010.10.400	£563.19	2010.16.400	£723.06
450	2010.10.450	£817.53	2010.16.450	£1,035.54	
500	2010.10.500	£962.88	2010.16.500	£1,398.89	
560	2010.10.560	£1,126.38	2010.16.560	£1,798.57	
630	2010.10.630	£1,526.07	2010.16.630	£3,615.31	
710	2010.10.710	£3,796.99	2010.16.710	POA	
800	2010.10.800	£5,522.88	2010.16.800	POA	
900	2010.10.900	POA	-		
1000	2010.10.1000	POA	-		
1200	2010.10.1200	POA	-		

Prices shown are for one item excluding VAT


Sales and enquiries please contact: 01622 795 225

PE100

Electrofusion Fittings SDR11/PN16


Electrofusion 90° Elbow			
Code: HPPPEL	Nominal Size	Code	Price each
	20	2051.16.20.90	£24.71
	25	2051.16.25.90	£24.71
	32	2051.16.32.90	£25.43
	40	2051.16.40.90	£26.53
	50	2051.16.50.90	£39.07
	63	2051.16.63.90	£41.78
	75	2051.16.75.90	£63.59
	90	2051.16.90.90	£66.31
	110	2051.16.110.90	£89.93
	125	2051.16.125.90	£127.17
	140	2051.16.140.90	£199.84
	160	2051.16.160.90	£221.64
	180	2051.16.180.90	£297.95
	200	2051.16.200.90	£436.02
	225	2051.16.225.90	£541.38
	250	2051.16.250.90	£944.71
	315	2051.16.315.90	£1,417.06

Electrofusion 45° Elbow			
Code: HPPPEL	Nominal Size	Code	Price each
	20*	2002.16.20.45	£25.43
	25	2002.16.25.45	£25.43
	32	2002.16.32.45	£25.43
	40	2002.16.40.45	£26.53
	50	2002.16.50.45	£39.07
	63	2002.16.63.45	£41.78
	75	2002.16.75.45	£63.59
	90	2002.16.90.45	£66.31
	110	2002.16.110.45	£89.93
	125	2002.16.125.45	£127.17
	140	2002.16.140.45	£199.84
	160	2002.16.160.45	£221.64
	180	2002.16.180.45	£297.95
	200	2002.16.200.45	£436.02
	225	2002.16.225.45	£541.38
	250	2002.16.250.45	£890.20
	315	2002.16.315.45	£1,344.39

Electrofusion 22.5° Elbow			
Code: HPPPEL	Nominal Size	Code	Price each
	90	2002.16.90.225	£76.30
	125	2002.16.125.225	£156.24
	180	2002.16.180.225	£343.36
	250	2002.16.250.225	£1,126.38
	315	2002.16.315.225	POA

Prices shown are for one item excluding VAT

Electrofusion Fittings SDR11/PN16

Electrofusion 11.25° Elbow			
Code: HPPPEL	Nominal Size	Code	Price each
	90	2002.16.90.1125	£76.30
	125	2002.16.125.1125	£156.24
	180	2002.16.180.1125	£343.36
	250	2002.16.250.1125	£1,126.38
	315	2002.16.315.1125	£1,707.74


Electrofusion 90° Tee			
Code: HPPPEL	Nominal Size	Code	Price each
	20	2052.16.20.90	£30.17
	25	2052.16.25.90	£30.17
	32	2052.16.32.90	£30.52
	40	2052.16.40.90	£36.34
	50	2052.16.50.90	£42.69
	63	2052.16.63.90	£46.33
	75	2052.16.75.90	£70.85
	90	2052.16.90.90	£72.67
	110	2052.16.110.90	£105.37
	125	2052.16.125.90	£141.71
	140	2052.16.140.90	£247.07
	160	2052.16.160.90	£250.71
	180	2052.16.180.90	£336.10
	200	2052.16.200.90	£526.85
	225	2052.16.225.90	£617.70
	250	2052.16.250.90	£1,090.04
	315	2052.16.315.90	£1,635.07

Electrofusion 90° Reducing Tee			
Code: HPPPEL	Nominal Size	Code	Price each
	140x110	2052.16.140X110.90	POA
	160x110	2052.16.160X110.90	POA
	180x90	2052.16.180X90.90	POA
	180x125	2052.16.180X125.90	POA
	200x90	2052.16.200X90.90	POA
	200x125	2052.16.200X125.90	POA
	225x110	2052.16.225X110.90	POA
	225x160	2052.16.225X160.90	POA
	250x125	2052.16.250X125.90	POA
	250x180	2052.16.250X180.90	POA
	315x125	2052.16.315X125.90	POA
	315x180	2052.16.315X180.90	POA


Prices shown are for one item excluding VAT

Electrofusion Fittings SDR11/PN16

Electrofusion Reducer

Code: HPEL	Nominal Size	Code	Price each
	25x20	2053.16.25x20	£15.99
	32x20	2053.16.32x20	£17.26
	32x25	2053.16.32x25	£17.26
	40x20	2053.16.40x20	£21.81
	40x25	2053.16.40x25	£21.81
	40x32	2053.16.40x32	£21.81
	50x25	2053.16.50x25	£25.43
	50x32	2053.16.50x32	£25.43
	50x40	2053.16.50x40	£25.43
	63x25	2053.16.63x25	£29.07
	63x32	2053.16.63x32	£29.07
	63x40	2053.16.63x40	£29.07
	63x50	2053.16.63x50	£29.07
	75x50	2053.16.75x50	POA
	75x63	2053.16.75x63	£43.60
	90x50	2053.16.90x50	£45.42
	90x63	2053.16.90x63	£45.42
	90x75	2053.16.90x75	£45.42
	110x63	2053.16.110x63	£63.59
	110x90	2053.16.110x90	£63.59
	125x63	2053.16.125x63	£103.55
	125x90	2053.16.125x90	£88.76
	125x110	2053.16.125x110	£103.55
	160x90	2053.16.160x90	£130.81
	160x110	2053.16.160x110	£130.81
	160x125	2053.16.160x125	£130.81
	180x125	2053.16.180x125	£190.76
	200x160	2053.16.200x160	£290.67
	200x180	2053.16.200x180	£290.67
	225x160	2053.16.225x160	POA
	315x160	2053.16.315x160	POA
	315x200	2053.16.315x200	POA


Electrofusion Cap

Code: HPEL	Nominal Size	Code	Price each
	20	2031.16.20	£21.81
	25	2031.16.25	£21.81
	32	2031.16.32	£21.81
	40	2031.16.40	£23.61
	50	2031.16.50	£30.88
	63	2031.16.63	£34.16
	75	2031.16.75	£46.87


Prices shown are for one item excluding VAT

Electrofusion Fittings SDR11/PN16


Electrofusion Cap

Code: HPEL	Nominal Size	Code	Price each
	90	2031.16.90	£53.04
	110	2031.16.110	£72.48
	125	2031.16.125	£91.74
	140	2031.16.140	£128.99
	160	2031.16.160	£135.34
	180	2031.16.180	£175.32
	200	2031.16.200	£241.63
	225	2031.16.225	£298.85
	250	2031.16.250	£405.13
	280	2031.16.280	£530.49
	315	2031.16.315	£746.68

Electrofusion Transition Coupler PE/Brass Threaded Male

Code: HPEL	Nominal Size	Code	Price each
	20x1/2"	2057.16.20x05	£38.16
	25x3/4"	2057.16.25x075	£41.78
	32x1"	2057.16.32x1	£51.78
	40x1 1/4"	2057.16.40x125	£65.40
	50x1 1/2"	2057.16.50x15	£89.02
	63x2"	2057.16.63x2	£104.46
	75x2 1/2"	2057.16.75x25	£205.29
	90x3"	2057.16.90x3	£279.78
	110x4"	2057.16.110x4	£365.17

Electrofusion Transition Coupler PE/Brass Threaded Female

Code: HPEL	Nominal Size	Code	Price each
	20x1/2"	2058.16.20x05	£38.16
	25x3/4"	2058.16.25x075	£41.78
	32x1"	2058.16.32x1	£51.78
	40x1 1/4"	2058.16.40x125	£65.40
	50x1 1/2"	2058.16.50x15	£89.02
	63x2"	2058.16.63x2	£104.46
	75x2 1/2"	2058.16.75x25	£172.59
	90x3"	2058.16.90x3	£218.01
	110x4"	2058.16.110x4	£327.01

Prices shown are for one item excluding VAT

PE100

Electrofusion Fittings SDR11/PN16

Electrofusion Elbow 90° PE/Brass Threaded Male

Code: HPEL



Nominal Size	Code	Price each
20x1/2"	2003.16.20.90	£59.95
25x3/4"	2003.16.25.90	£62.68
32x1"	2003.16.32.90	£73.77
40x1 1/4"	2003.16.40.90	£89.02
50x1 1/2"	2003.16.50.90	£122.63
63x2"	2003.16.63.90	£145.34
75x2 1/2"	2003.16.75.90	£257.98
90x3"	2003.16.90.90	£336.10
110x4"	2003.16.110.90	£448.73

Electrofusion Elbow 90° PE/Brass Threaded Female

Code: HPEL



Nominal Size	Code	Price each
20x1/2"	2003.16.20.90F	£59.95
25x3/4"	2003.16.25.90F	£62.68
32x1"	2003.16.32.90F	£73.57
40x1 1/4"	2003.16.40.90F	£89.02
50x1 1/2"	2003.16.50.90F	£122.63
63x2"	2003.16.63.90F	£145.34
75x2 1/2"	2003.16.75.90F	£227.10
90x3"	2003.16.90.90F	£274.32
110x4"	2003.16.110.90F	£410.59

Electrofusion Elbow 45° PE/Brass Threaded Male

Code: HPEL



Nominal Size	Code	Price each
20x1/2"	2003.16.20.45	£59.95
25x3/4"	2003.16.25.45	£62.68
32x1"	2003.16.32.45	£73.77
40x1 1/4"	2003.16.40.45	£89.02
50x1 1/2"	2003.16.50.45	£122.63
63x2"	2003.16.63.45	£145.34
75x2 1/2"	2003.16.75.45	£257.98
90x3"	2003.16.90.45	£336.10
110x4"	2003.16.110.45	£448.73

Electrofusion Elbow 45° PE/Brass Threaded Female

Code: HPEL



Nominal Size	Code	Price each
20x1/2"	2003.16.20.45F	£59.95
25x3/4"	2003.16.25.45F	£62.68
32x1"	2003.16.32.45F	£73.77
40x1 1/4"	2003.16.40.45F	£89.02
50x1 1/2"	2003.16.50.45F	£122.63
63x2"	2003.16.63.45F	£145.34
75x2 1/2"	2003.16.75.45F	£227.10
90x3"	2003.16.90.45F	£274.32
110x4"	2003.16.110.45F	£410.59

Prices shown are for one item excluding VAT

• Short Spigot

Electrofusion Fittings SDR11/PN16

Tapping Tee

Code: HPEL



Nominal Size	Code	Price each
40x20	2055.16.40x20	£70.49
40x25	2055.16.40x25	£70.49
40x32	2055.16.40x32	£70.49
50x20	2055.16.50x20	£71.57
50x25	2055.16.50x25	£71.57
50x32	2055.16.50x32	£71.57
63x20	2055.16.63x20	£73.39
63x25	2055.16.63x25	£73.39
63x32	2055.16.63x32	£73.39
63x40 •	2055.16.63x40	£73.39
63x50	2055.16.63x50	£109.00
63x63	2055.16.63x63	£109.00
75x20	2055.16.75x20	£76.30
75x25	2055.16.75x25	£76.30
75x32	2055.16.75x32	£76.30
75x40 •	2055.16.75x40	£76.30
75x50	2055.16.75x50	£93.70
75x63	2055.16.75x63	£105.89
90x20	2055.16.90x20	£78.85
90x25	2055.16.90x25	£78.85
90x32	2055.16.90x32	£78.85
90x40 •	2055.16.90x40	£78.85
90x50 •	2055.16.90x50	£109.00
90x63 •	2055.16.90x63	£109.00
110x20	2055.16.110x20	£82.12
110x25	2055.16.110x25	£82.12
110x32	2055.16.110x32	£82.12
110x40 •	2055.16.110x40	£82.12
110x50 •	2055.16.110x50	£112.64
110x63 •	2055.16.110x63	£112.64
125x20	2055.16.125x20	£83.38
125x25	2055.16.125x25	£83.38
125x32	2055.16.125x32	£83.38
125x40 •	2055.16.125x40	£83.38
125x50 •	2055.16.125x50	£114.46
125x63 •	2055.16.125x63	£114.46
140x20 •	2055.16.140x20	£95.38
140x25 •	2055.16.140x25	£95.38
140x32 •	2055.16.140x32	£95.38
140x40 •	2055.16.140x40	£95.38
140x50 •	2055.16.140x50	£138.07
140x63 •	2055.16.140x63	£138.07
160x20	2055.16.160x20	£96.29
160x25	2055.16.160x25	£96.29

Prices shown are for one item excluding VAT

Sales and enquiries please contact: 01622 795 225

Electrofusion Fittings SDR11/PN16

Tapping Tee			
Code: HPPEL	Nominal Size	Code	Price each
	160x32	2055.16.160x32	£96.29
	160x40•	2055.16.160x40	£96.29
	160x50•	2055.16.160x50	£139.89
	160x63•	2055.16.160x63	£139.89
	180x20	2055.16x180x20	£107.19
	180x25	2055.16.180x25	£107.19
	180x32	2055.16.180x32	£107.19
	180x40	2055.16.180x40	£107.19
	180x50•	2055.16.180x50	£172.59
	180x63•	2055.16.180x63	£172.59
	200x20•	2055.16.200x20	£108.09
	200x25•	2055.16.200x25	£108.09
	200x32•	2055.16.200x32	£108.09
	200x40•	2055.16.200x40	£108.09
	200x50•	2055.16.200x50	£176.23
	200x63•	2055.16.200x63	£176.23
	225x20•	2055.16.225x20	£140.80
	225x25•	2055.16.225x25	£140.80
	225x32•	2055.16.225x32	£140.80
	225x40•	2055.16.225x40	£140.80
	225x50•	2055.16.225x50	£190.76
	225x63•	2055.16.225x63	£190.76
	250x20•	2055.16.250x20	£165.32
	250x25•	2055.16.250x25	£165.32
	250x32•	2055.16.250x32	£165.32
	250x40•	2055.16.250x40	£165.32
	250x50•	2055.16.250x50	£219.83
	250x63•	2055.16.250x63	£219.83
	280x20•	2055.16.280x20	£214.37
	280x25•	2055.16.280x25	£214.37
	280x32•	2055.16.280x32	£214.37
	280x40•	2055.16.280x40	£214.37
	280x50•	2055.16.280x50	£290.67
	280x63•	2055.16.280x63	£290.67
	315x20•	2055.16.315x20	£236.18
	315x25•	2055.16.315x25	£236.18
	315x32•	2055.16.315x32	£236.18
	315x40•	2055.16.315x40	£236.18
	315x50•	2055.16.315x50	£299.76
	315x63•	2055.16.315x63	£299.76

Prices shown are for one item excluding VAT

• Short Spigot

Electrofusion Fittings SDR11/PN16

Branch Saddle			
Code: HPPEL	Nominal Size	Code	Price each
	40x20	2054.16.40x20	£40.87
	40x25	2054.16.40x25	£40.87
	40x32	2054.16.40x32	£40.87
	40x40	2054.16.40x40	£40.87
	50x20	2054.16.50x20	£51.96
	50x25	2054.16.50x25	£51.96
	50x32	2054.16.50x32	£51.96
	50x40	2054.16.50x40	£51.96
	63x20	2054.16.63x20	£54.14
	63x25	2054.16.63x25	£54.14
	63x32	2054.16.63x32	£54.14
	63x40	2054.16.63x40	£54.14
	63x50	2054.16.63x50	£54.14
	63x63	2054.16.63x63	£54.14
	75x20	2054.16.75x20	£55.96
	75x25	2054.16.75x25	£55.96
	75x32	2054.16.75x32	£55.96
	75x40	2054.16.75x40	£55.96
	75x50•	2054.16.75x50	£55.96
	75x63•	2054.16.75x63	£55.96
	90x20•	2054.16.90x20	£57.22
	90x25•	2054.16.90x25	£56.31
	90x32•	2054.16.90x32	£57.22
	90x40•	2054.16.90x40	£57.22
	90x50•	2054.16.90x50	£57.22
	90x63•	2054.16.90x63	£57.22
	110x20•	2054.16.110x20	£60.50
	110x25•	2054.16.110x25	£60.50
	110x32•	2054.16.110x32	£60.50
	110x40•	2054.16.110x40	£60.50
	110x50•	2054.16.110x50	£60.50
	110x63•	2054.16.110x63	£60.50
	125x20•	2054.16.125x20	£63.95
	125x25•	2054.16.125x25	£63.95
	125x32•	2054.16.125x32	£63.95
	125x40•	2054.16.125x40	£63.95
	125x50•	2054.16.125x50	£63.95
	125x63•	2054.16.125x63	£63.95
	140x20•	2054.16.140x20	£70.85
	140x25•	2054.16.140x25	£70.85
	140x32•	2054.16.140x32	£70.85
	140x40•	2054.16.140x40	£70.85
	140x50•	2054.16.140x50	£70.85

Prices shown are for one item excluding VAT

Sales and enquiries please contact: 01622 795 225

PE100


Electrofusion Fittings SDR11/PN16

Branch Saddle			
Code: HPPEL	Nominal Size	Code	Price each
	140x63•	2054.16.140x63	£70.85
	160x20•	2054.16.160x20	£70.85
	160x25•	2054.16.160x25	£70.85
	160x32•	2054.16.160x32	£70.85
	160x40•	2054.16.160x40	£70.85
	160x50•	2054.16.160x50	£70.85
	160x63•	2054.16.160x63	£70.85
	180x20•	2054.16.180x20	£84.48
	180x25•	2054.16.180x25	£84.48
	180x32•	2054.16.180x32	£84.48
	180x40•	2054.16.180x40	£84.48
	180x50•	2054.16.180x50	£84.48
	180x63•	2054.16.180x63	£84.48
	200x20•	2054.16.200x20	£85.57
	200x25•	2054.16.200x25	£85.57
	200x32•	2054.16.200x32	£85.57
	200x40•	2054.16.200x40	£85.57
	200x50•	2054.16.200x50	£85.57
	200x63•	2054.16.200x63	£85.57
	225x20•	2054.16.225x20	£90.29
	225x25•	2054.16.225x25	£90.29
	225x32•	2054.16.225x32	£90.29
	225x40•	2054.16.225x40	£90.29
	225x50•	2054.16.225x50	£90.29
	225x63•	2054.16.225x63	£90.29
	250x20•	2054.16.250x20	£135.54
	250x25•	2054.16.250x25	£135.54
	250x32•	2054.16.250x32	£135.54
	250x40•	2054.16.250x40	£135.54
	250x50•	2054.16.250x50	£135.54
	250x63•	2054.16.250x63	£135.54
	280x20•	2054.16.280x20	£155.69
	280x25•	2054.16.280x25	£155.69
280x32•	2054.16.280x32	£155.69	
280x40•	2054.16.280x40	£155.69	
280x50•	2054.16.280x50	£155.69	
280x63•	2054.16.280x63	£155.69	
315x20•	2054.16.315x20	£176.23	
315x25•	2054.16.315x25	£176.23	
315x32•	2054.16.315x32	£176.23	
315x40•	2054.16.315x40	£176.23	
315x50•	2054.16.315x50	£176.23	
315x63•	2054.16.315x63	£176.23	

Prices shown are for one item excluding VAT


Accessories

PE 100 Welding Machines


Code: HPPEL	Nominal Size	Code	Price each
	IPLAST30	2060.IPLAST.30	£3,744.64
	IPLAST60/105	2060.IPLAST.60	£4,914.87
		2060.IPLAST.105	POA

The IPlast electrofusion welding machines ensure reliability and security in accordance with welding standards. Three different machines, which between them, can weld from 20mm up to 1200mm fittings. All machines are manufactured to be compact and portable with features including scanners for bar code reading, large graphic displays, USB port for weld records, IP54 protection and continuous use.


Pipe Cutter

Code: HDPEF	Nominal Size	Code	Price each
	R3 6mm - 63mm	9500.663T	£185.13
	R4 50mm - 140mm	9500.50140T	£266.71
	R5 100mm - 160mm	9500.100160T	£298.08

Pipe Scraper

Code: HDPEF	Nominal Size	Code	Price each
		9507T	£43.92

Cleaning & Anti-Static Wipes

Code: HPPEL	Nominal Size	Code	Price each
		9518T	£49.65


Prices shown are for one item excluding VAT

Clamp Saddles

Clamp Saddles			
Code: PSAQU	Nominal Size	Code	Price each
	20 x 1/2"	SEP010020B	£1.14
	25 x 1/2"	SEP010025B	£1.14
	25 x 3/4"	SEP010025C	£1.14
	32 x 1/2"	SEP010032B	£1.27
	32 x 3/4"	SEP010032C	£1.27
	32 x 1"	SEP010032D	£1.27
	40 x 1/2"	SEP010040B	£1.48
	40 x 3/4"	SEP010040C	£1.48
	40 x 1"	SEP010040D	£1.48
	50 x 1/2"	SEP010050B	£1.72
	50 x 3/4"	SEP010050C	£1.72
	50 x 1"	SEP010050D	£1.72
	63 x 1/2"	SEP010063B	£2.74
	63 x 3/4"	SEP010063C	£2.74
	63 x 1"	SEP010063D	£2.74
	63 x 1 1/4"	SEP010063E	£2.74
	63 x 1 1/2"	SEP010063F	£2.74
	75 x 1/2"	SEP010075B	£3.98
	75 x 3/4"	SEP010075C	£3.98
	75 x 1"	SEP010075D	£3.98
	75 x 1 1/4"	SEP010075E	£3.98
	75 x 1 1/2"	SEP010075F	£3.98
	75 x 2"	SEP010075G	£3.98
	90 x 1/2"	SEP010090B	£4.49
	90 x 3/4"	SEP010090C	£4.49
	90 x 1"	SEP010090D	£4.49
	90 x 1 1/4"	SEP010090E	£4.49
	90 x 1 1/2"	SEP010090F	£4.57
	90 x 2"	SEP010090G	£4.57
	110 x 1/2"	SEP010110B	£5.58
	110 x 3/4"	SEP010110C	£5.58
	110 x 1"	SEP010110D	£5.58
	110 x 1 1/4"	SEP010110E	£5.58
	110 x 1 1/2"	SEP010110F	£6.30
	110 x 2"	SEP010110G	£6.30
110 x 3"	SEP010110I	£9.59	
125 x 1/2"	SEP010125B	£15.69	
125 x 3/4"	SEP010125C	£15.78	
125 x 1"	SEP010125D	£15.78	
125 x 1 1/4"	SEP010125E	£15.78	
125 x 1 1/2"	SEP010125F	£15.78	
125 x 2"	SEP010125G	£16.30	
125 x 2 1/2"	SEP010125H	£16.30	
125 x 3"	SEP010125I	£16.30	

Prices shown are for one item excluding VAT

Clamp Saddles

Clamp Saddles			
Code: PSAQU	Nominal Size	Code	Price each
	125 x 4"	SEP010125L	£16.30
	140 x 3/4"	SEP010140C	£19.78
	140 x 1"	SEP010140D	£19.78
	140 x 1 1/4"	SEP010140E	£19.78
	140 x 1 1/2"	SEP010140F	£19.78
	140 x 2"	SEP010140G	£19.78
	140 x 3"	SEP010140I	£19.78
	140 x 4"	SEP010140L	£19.78
	160 x 1/2"	SEP010160B	£19.78
	160 x 3/4"	SEP010160C	£19.78
	160 x 1"	SEP010160D	£19.78
	160 x 1 1/4"	SEP010160E	£19.78
	160 x 1 1/2"	SEP010160F	£19.78
	160 x 2"	SEP010160G	£19.78
	160 x 2 1/2"	SEP010160H	£19.78
	160 x 3"	SEP010160I	£19.78
	160 x 4"	SEP010160L	£20.93
	200 x 3/4"	SEP010200C	£58.96
	200 x 1"	SEP010200D	£58.96
	200 x 1 1/4"	SEP010200E	£58.96
	200 x 1 1/2"	SEP010200F	£58.96
	200 x 2"	SEP010200G	£63.23
	200 x 3"	SEP010200I	£63.23
	200 x 4"	SEP010200L	£63.23
	225 x 1/2"	SEP010225B	£67.82
	225 x 3/4"	SEP010225C	£67.82
	225 x 1"	SEP010225D	£67.82
	225 x 1 1/4"	SEP010225E	£67.82
	225 x 1 1/2"	SEP010225F	£67.82
	225 x 2"	SEP010225G	£73.96
	225 x 3"	SEP010225I	£73.96
	225 x 4"	SEP010225L	£73.96
	250 x 1"	SEP010250D	£80.48
	250 x 1 1/4"	SEP010250E	£80.48
	250 x 1 1/2"	SEP010250F	£80.48
250 x 2"	SEP010250G	£80.48	
250 x 3"	SEP010250I	£80.48	
250 x 4"	SEP010250L	£80.48	
315 x 1"	SEP010315D	£102.33	
315 x 1 1/4"	SEP010315E	£102.33	
315 x 1 1/2"	SEP010315F	£102.33	
315 x 2"	SEP010315G	£112.88	
315 x 3"	SEP010315I	£112.88	
315 x 4"	SEP010315L	£112.88	

Prices shown are for one item excluding VAT

Clamp saddles

Clamp Saddles Reinforced

Clamp Saddles Reinforced

Code: PSAQU



Nominal Size	Code	Price each
20 x 1/2"	SEP011020B	£2.30
25 x 1/2"	SEP011025B	£2.30
25 x 3/4"	SEP011025C	£2.30
32 x 1/2"	SEP011032B	£2.66
32 x 3/4"	SEP011032C	£2.66
40 x 1/2"	SEP011040B	£2.92
40 x 3/4"	SEP011040C	£2.92
40 x 1"	SEP011040D	£2.92
50 x 1/2"	SEP011050B	£3.10
50 x 3/4"	SEP011050C	£3.10
50 x 1"	SEP011050D	£3.10
63 x 1/2"	SEP011063B	£4.63
63 x 3/4"	SEP011063C	£4.63
63 x 1"	SEP011063D	£4.63
63 x 1 1/4"	SEP011063E	£4.63
63 x 1 1/2"	SEP011063F	£4.63
75 x 1/2"	SEP011075B	£5.79
75 x 3/4"	SEP011075C	£5.79
75 x 1"	SEP011075D	£5.79
75 x 1 1/4"	SEP011075E	£5.79
75 x 1 1/2"	SEP011075F	£5.79
75 x 2"	SEP011075G	£5.79
90 x 1/2"	SEP011090B	£6.40
90 x 3/4"	SEP011090C	£6.40
90 x 1"	SEP011090D	£6.40
90 x 1 1/4"	SEP011090E	£6.40
90 x 1 1/2"	SEP011090F	£6.40
90 x 2"	SEP011090G	£6.40
110 x 1/2"	SEP011110B	£7.23
110 x 3/4"	SEP011110C	£7.23
110 x 1"	SEP011110D	£7.23
110 x 1 1/4"	SEP011110E	£7.23
110 x 1 1/2"	SEP011110F	£7.23
110 x 2"	SEP011110G	£8.97
110 x 3"	SEP011110I	£13.78
125 x 1/2"	SEP011125B	£17.52
125 x 3/4"	SEP011125C	£17.52
125 x 1"	SEP011125D	£17.52
125 x 1 1/4"	SEP011125E	£17.52
125 x 1 1/2"	SEP011125F	£17.52
125 x 2"	SEP011125G	£17.52
125 x 2 1/2"	SEP011125H	£17.52
125 x 3"	SEP011125I	£19.21
125 x 4"	SEP011125L	£19.21

Prices shown are for one item excluding VAT

Clamp Saddles Reinforced

Clamp Saddles Reinforced

Code: PSAQU



Nominal Size	Code	Price each
140 x 3/4"	SEP011140C	£20.93
140 x 1"	SEP011140D	£20.93
140 x 1 1/4"	SEP011140E	£20.93
140 x 1 1/2"	SEP011140F	£20.93
140 x 2"	SEP011140G	£20.93
140 x 3"	SEP011140I	£20.93
140 x 4"	SEP011140L	£20.93
160 x 1/2"	SEP011160B	£20.93
160 x 3/4"	SEP011160C	£20.93
160 x 1"	SEP011160D	£20.93
160 x 1 1/4"	SEP011160E	£20.93
160 x 1 1/2"	SEP011160F	£20.93
160 x 2"	SEP011160G	£20.93
160 x 2 1/2"	SEP011160H	£23.29
160 x 3"	SEP011160I	£23.29
160 x 4"	SEP011160L	£25.68
200 x 3/4"	SEP011200C	£68.31
200 x 1"	SEP011200D	£93.06
200 x 1 1/4"	SEP011200E	£93.06
200 x 1 1/2"	SEP011200F	£93.06
200 x 2"	SEP011200G	£93.06
200 x 3"	SEP011200I	£99.59
200 x 4"	SEP011200L	£99.59
225 x 1/2"	SEP011225B	£111.26
225 x 3/4"	SEP011225C	£111.26
225 x 1"	SEP011225D	£111.26
225 x 1 1/4"	SEP011225E	£111.26
225 x 1 1/2"	SEP011225F	£111.26
225 x 2"	SEP011225G	£116.29
225 x 3"	SEP011225I	£116.29
225 x 4"	SEP011225L	£116.29
250 x 1"	SEP011250D	£130.37
250 x 1 1/4"	SEP011250E	£130.37
250 x 1 1/2"	SEP011250F	£136.69
250 x 2"	SEP011250G	£136.69
250 x 3"	SEP011250I	£138.55
250 x 4"	SEP011250L	£138.55
315 x 1"	SEP011315D	£164.60
315 x 1 1/4"	SEP011315E	£164.60
315 x 1 1/2"	SEP011315F	£164.60
315 x 2"	SEP011315G	£172.10
315 x 3"	SEP011315I	£172.10
315 x 4"	SEP011315L	£172.10

Prices shown are for one item excluding VAT

Flowmeter, Plastic Design Variable Area Principle Construction

- Male threads moulded into the ends of the metering tube allow for easy mounting of unions.
- The O-ring seals ensure reliable sealing between metering tube and union without radial forces, which could lead to bursting of the tube.
- Floats are available in stainless steel 1.4571, PP or PVDF (depending on flow medium and measuring range).
- The scale on the metering tube can be suited to the medium and is available e.g. in l/h, m³/h or %.
- Dovetail sections moulded into the metering tube allow for easy mounting of adjustable flow indicators, limit switches and a continuous readout transmitter

Features

- The plastic flowmeters operate according to the variable area principle, whereby the float can move freely within the metering tube.
- Type series 800 is suitable for volumetric flow measurement of inert and corrosive gases and liquids.

Advantages

- High accuracy, simple handling
- Impact resistance, corrosion resistance.
- Over 500 standard scales and over 3000 special scales are available and further scales are available on request.
- Clear and large size scale.

Working Pressure

Metering tubes with plastic unions	PN 10
Metering tubes with metal unions	PN 11

Design

Float material	Working medium
PP	Liquids and gases
PP with magnet	Liquids and gases
St. steel 1.4571	Liquids
St. steel 1.4571 with magnet	Liquids
PP	Gases
PP with magnet	Gases
PVDF	Liquids and gases
PVDF	Liquids and gases

Body configuration

Straight through

Connection

Threaded spigots/Socket/BS

Tube material

Polysulphone temperature range 0-100C°

Material of O rings

O-rings Viton	FPM
O-rings Ethylene-Propylene	EPDM

Design

Polyvinylchloride	PVC
Polypropylene	PP
Malleable iron	GT
St. st. 1.4571	VA
Polyvinylidenfluoride	PVDF

Note:

When ordering, the flow ranges should be stated as follows:

Liquid media	l/h
Diameter:	mm

Required information:

The following data are necessary:

1. Type of medium
2. Concentration of medium (%)
3. Required flow range (l/h, m³/h, kg/h)
4. Working pressure, relative or absolute (bar)
5. Temperature of medium (°C)
6. Viscosity of medium (if available)
7. Specific gravity of medium (if available)
8. Float with or without magnet

Variable area flowmeters (VAF)

Flowmeters

Flowmeter with Transparent PVCu Body and PVDF Float Debitmeters

Code: PSAQU

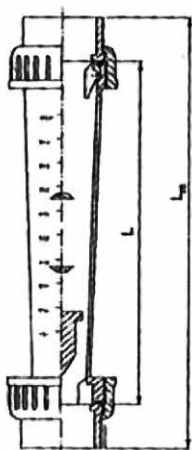


Code	Description	DN	Type	Price each
HDRFLU016A	PVC 16 1.5-15	16/1.5-15	T100	£220.66
HDRFLU016B	PVC 16mm—mm range 2.5-25	16/2.5-25	T100	£220.66
HDRFLU016C	PVC 16mm—mm range 5-50	16/5-50	T100	£220.66
HDRFLU016D	PVC 16mm—mm range 10-100	16/10-100	T100	£220.66
HDRFLU020A	PVC 20mm—mm range 8-80	20/8-80	T100	£225.33
HDRFLU020B	PVC 20mm—mm range 15-150	20/15-150	T100	£225.33
HDRFLU020C	PVC 20mm—mm range 20-200	20/20-200	T100	£225.33
HDRFLU032AE	PVC 32mm—mm range 15-150	32/15-150	T100	£265.24
HDRFLU032BC	PVC 32mm—mm range 30-300	32/30-300	T100	£265.24
HDRFLU032CC	PVC 32mm—mm range 50-500	32/50-500	T100	£265.24
HDRFLU032DC	PVC 32mm—mm range 100-1000	32/100-1000	T100	£265.24
HDRFLU032C	PVC 32mm—mm range 50-500	32/50-500	T300	£333.50
HDRFLU032D	PVC 32mm—mm range 100-1000	32/100-1000	T300	£339.62
HDRFLU040A	PVC 40mm—mm range 150-1500	40/150-1500	T300	£389.48
HDRFLU040B	PVC 40mm—mm range 250-2500	40/250-2500	T300	£420.01
HDRFLU050A	PVC 50mm—mm range 200-2000	50/200-2000	T300	£434.81
HDRFLU050B	PVC 50mm—mm range 300-3000	50/300-3000	T300	£581.17
HDRFLU050C	PVC 50mm—mm range 600-6000	50/600-6000	T300	£623.90
HDRFLU063B	PVC 63mm—mm range 600-6000	63/600-6000	T300	£724.40
HDRFLU063C	PVC 63mm—mm range 1000-10000	63/1000-10000	T300	£779.29
HDRFLU063D	PVC 63mm—mm range 1500-15000	63/1500-15000	T300	£854.49

Prices shown are for one item excluding VAT

Dimensions

Description	DN	L	Lm
1.5-15	10	165	
2.5-25			
5-50			
10-100			
8-80	15	185	
15-150			
20-200			
15-150	25	200	
30-300			
50-500			
100-1000			
50-500	25	350	400
100-1000			
150-1500	32	350	408
250-2500			
200-2000	40	350	418
300-3000			
600-6000			
600-6000	50	350	432
1000-10000			
1500-15000			



SCALE FOR H2O (Suitable also for demineralized H2O) PVC pipe (max 60°C)—PVC floater

Sales and enquiries please contact: 01622 795 225

Backing Rings

Galvanised Mild Steel Drilled to BS10 Table D/E

Code: PSFAC



Nominal Size	Code	Price each
½"	MTABEA0200	£19.12
¾"	MTABEA0250	£19.68
1"	MTABEA0320	£22.15
1¼"	MTABEA0400	£22.51
1½"	MTABEA0500	£27.78
2"	MTABEA0630	£39.16
2½"	MTABEA0750	£53.81
3"	MTABEA0900	£59.26
4"D	MTABEA110D	£77.09
4"E	MTABEA110E	£77.09
5"	MTABEA1400	£127.15
6"	MTABEA1600	£127.15
8"	MTABEA2250	£241.76

Galvanised Mild Steel Drilled to BS4504 NP10/16

Code: PSFAC



Metric Imperial	Code	Price each
20 ½"	MTIBNI0200	£17.26
25 ¾"	MTIBNI0250	£17.72
32 1"	MTIBNI0320	£19.99
40 1¼"	MTIBNI0400	£20.29
50 1½"	MTIBNI0500	£25.03
63 2"	MTIBNI0630	£35.31
75 2½"	MTIBNI0750	£48.50
90 3"	MTIBNI0900	£53.76
4" 4"	MTIBNI1100	£69.47
110 -	MTIBNI1100M	£69.47
140 5"	MTIBNI1400	£109.66
- 6"	MTIBNI1600	£115.58
160 -	MTIBNI1600M	£141.81
200 -	MTIBNI2000	£164.70
225 8"	MTIBNI2250 NP16 only	£158.35
250 -	MTIBNI2500M	£374.08
315 -	MTIBNI3150M	£555.21

Galvanised Mild Steel Drilled to ASA150

Code: PSFAC



Metric Imperial	Code	Price each
- ½"	MTABAA0200	£19.12
- ¾"	MTABAA0250	£19.68
- 1"	MTABAA0320	£22.15
- 1¼"	MTABAA0400	£22.51
- 1½"	MTABAA0500	£27.78
- 2"	MTABAA0630	£39.16
- 2½"	MTABAA0750	£53.81
- 3"	MTABAA0900	£59.26
- 4"	MTABAA1100	£77.09
110 -	MTABAA1100M	£77.09
- 6"	MTABAA1600	£127.15
160 -	MTABAA1600M	£127.15
8"	MTABAA2250	£241.76

Prices shown are for one item excluding VAT

PVCu Backing rings

PVCu Backing Ring Drilled to BS4504 NP10/16

Code: PSFAC



Metric Imperial	Code	Price each
20 ½"	RFIFLI0200	£9.69
25 ¾"	RFIFLI0250	£9.99
32 1"	RFIFLI0320	£10.78
40 1¼"	RFIFLI0400	£13.78
50 1½"	RFIFLI0500	£16.88
63 2"	RFIFLI0630	£23.95
75 2½"	RFIFLI0750	£34.15
90 3"	RFIFLI0900	£36.41
110 -	RFIFLI1100	£46.59
125 -	RFIFLI1250	£51.83
140 5"	RFIFLI1400	£65.11
160 -	RFIFLI1600	£77.41
200 -	RFIFLI2000	£116.04
225 -	RFIFLI2250	£155.93

Prices shown are for one item excluding VAT

Gaskets

Flat Gaskets for Full Face Flanges Drilled to BS10 Table D/E EPDM

Code: PSFAC



Nominal Size	Code	Price each
1"	EPAGFA0320	£6.33
1¼"	EPAGFA0400	£7.41
1½"	EPAGFA0500	£12.69
2"	EPAGFA0630	£13.21
2½"	EPAGFA0750	£14.90
3"	EPAGFA0900	£15.21
4E"	EPAGFA110E	£22.20
6"	EPAGFA1600	£29.98
8"	EPAGFA2250	£33.40

Flat Gaskets for Full Face Flanges Drilled to BS4504 NP10/16 EPDM

Code: PSFAC



Metric Imperial	Code	Price each
20 ½"	EPIGFI0200	£4.32
25 ¾"	EPIGFI0250	£4.65
32 1"	EPIGFI0320	£6.22
40 1¼"	EPIGFI0400	£7.41
50 1½"	EPIGFI0500	£10.12
63 2"	EPIGFI0630	£10.96
75 2½"	EPIGFI0750	£14.90
90 3"	EPIGFI0900	£15.21
110 4"	EPIGFI1100	£22.20
160 6"	EPIGFI1600	£36.22
225 8"	EPIGFI2250	£39.62

Prices shown are for one item excluding VAT

Accessories

Gaskets

Flat Gaskets for Stub Flanges

Code: PSFAC



Metric	Imperial	Code	Price each
½"	20	EPAGSA0200	£2.77
¾"	25	EPAGSA0250	£3.29
1"	32	EPAGSA0320	£4.47
1¼"	40	EPAGSA0400	£5.13
1½"	50	EPAGSA0500	£5.52
2"	63	EPAGSA0630	£5.67
2½"	75	EPAGSA0750	£5.99
3"	90	EPAGSA0900	£6.69
4"	110	EPAGSA1100	£9.58
-	125	EPAGSA1250	£13.40
5"	140	EPAGSA1400	£13.88
6"	160	EPAGSA1600	£13.99
-	200	EPAGSA2000	£18.99
8"	225	EPAGSA2250	£29.41
10"	250	EPAGSA2500	£45.67
12"	315	EPAGSA3150	£58.47

Prices shown are for one item excluding VAT

EPDM Gaskets for Tank Connectors

EPDM Gaskets for Tank Connectors

Code: PSFAC



Nominal Size	Code	Price each
½"	EPATCA0200	£1.63
¾"	EPATCA0250	£1.73
1"	EPATCA0320	£1.94
1¼"	EPATCA0400	£2.26
1½"	EPATCA0500	£2.45
2"	EPATCA0630	£2.78
2½"	EPATCA0750	£5.87
3"	EPATCA0900	£6.57
4"	EPATCA1100	£7.27

Prices shown are for one item excluding VAT

Pipe Clips, Clamps and Brackets

Pipe Bracket with Safety Clip

Code: PSFAC



Nominal Size	Code	Price each
¾"	RFABCA0160	£2.76
½"	RFABCA0200	£3.69
¾"	RFABCA0250	£4.47
1"	RFABCA0320	£4.65
1¼"	RFABCA0400	£4.98
1½"	RFABCA0500	£6.92
2"	RFABCA0630	£8.76
2½"	RFABCA0750	£10.48
3"	RFABCA0900	£16.08
4"	RFABCA1100	£24.94
5"	RFABCA1400	£31.07
6"	RFABCA1600	£37.02

Prices shown are for one item excluding VAT

Pipe Clips, Clamps and Brackets

Pipe Bracket with Safety Clip

Code: PSFAC



Nominal Size	Code	Price each
16	RFIBCI0160	£2.76
20	RFIBCI0200	£3.41
25	RFIBCI0250	£3.44
32	RFIBCI0320	£3.91
40	RFIBCI0400	£4.98
50	RFIBCI0500	£5.83
63	RFIBCI0630	£7.22
75	RFIBCI0750	£10.48
90	RFIBCI0900	£13.06
110	RFIBCI1100	£22.84
125	RFIBCI1250	£23.66
140	RFIBCI1400	£24.43
160	RFIBCI1600	£35.66

Universal Pipe Clamp

Code: PSFAC



Nominal Size	Code	Price each
20 / ½"	PFBPTB0200	£2.50
25 / ¾"	PFBPTB0250	£2.73
32 / 1"	PFBPTB0320	£3.06
40 / 1¼"	PFBPTB0400	£3.19
50 / 1½"	PFBPTB0500	£4.04
63 / 2"	PFBPTB0630	£4.17
75 / 2½"	PFBPTB0750	£12.55
90 / 3"	PFBPTB0900	£15.46

Prices shown are for one item excluding VAT

Pipe Clips, Clamps and Brackets

Pipe Bracket

Code: PSFAC



Nominal Size	Code	Price each
½"	PFAPTA0200	£1.55
¾"	PFAPTA0250	£1.66
1"	PFAPTA0320	£2.01
1¼"	PFAPTA0400	£2.75
1½"	PFAPTA0500	£3.09
2"	PFAPTA0630	£3.96

Pipe Bracket

Code: PSFAC



Nominal Size	Code	Price each
20	PFIPTI0200	£1.55
25	PFIPTI0250	£1.75
32	PFIPTI0320	£2.05
40	PFIPTI0400	£2.75
50	PFIPTI0500	£3.09
63	PFIPTI0630	£3.91

Prices shown are for one item excluding VAT

Pipe hanger spacing for horizontal piping

PVC-Pipes PN 10 + PN 16					
d mm	20°C	30°C	40°C	50°C	60°C
16	80	70	50	continuous support	
20	90	80	60		
25	95	85	65		
32	105	90	70	60	45
40	120	110	90	70	55
50	140	130	110	85	65
63	150	140	120	95	70
75	165	155	135	110	80
90	180	170	150	125	95
110	200	190	170	145	115
125	210	200	185	160	125
140	225	215	195	170	140
160	240	230	210	185	155
200	255	240	225	200	170
225	270	260	240	215	185

PP-Pipes PN 10							
d mm	20°C	30°C	40°C	50°C	60°C	80°C	100°C
16	75	70	70	65	65	55	40
20	80	75	70	70	65	60	45
25	85	85	85	80	75	70	50
32	100	95	95	90	85	75	55
40	110	110	105	100	95	85	60
50	125	120	115	110	105	90	70
63	140	135	130	125	120	105	80
75	155	150	145	135	130	115	85
90	165	165	155	150	145	125	95
110	185	180	175	165	160	140	105
125	200	190	185	180	170	150	110
140	210	205	195	190	180	155	115
160	225	225	210	200	190	165	125
180	240	240	225	215	200	170	130
200	250	250	235	225	215	185	135
225	265	260	250	240	230	200	145

PE-Pipes PN 10					
d mm	20°C	30°C	40°C	50°C	60°C
20	75	70	65	65	60
25	80	80	75	70	65
32	90	90	85	80	75
40	100	100	95	90	85
50	115	110	105	100	95
63	130	125	120	115	105
75	140	135	130	125	115
90	155	150	145	135	130
110	170	165	160	150	140
125	185	175	170	160	150
140	195	185	180	170	155
160	210	200	190	180	170
200	235	220	210	200	186
225	250	235	220	210	200
225	270	260	240	215	185

PVDF-Pipes PN 10							
d mm	20°C	30°C	40°C	50°C	60°C	80°C	100°C
16	85	80	75	70	65	60	55
20	95	90	80	75	70	65	60
25	100	95	90	85	80	75	70
32	110	100	95	90	85	80	75
40	125	115	110	100	95	90	80
50	140	130	120	115	110	100	95
63	150	140	130	120	115	105	100
75	165	155	140	130	125	115	110
90	180	165	155	145	135	125	120
110	200	185	175	160	150	140	130
125	210	195	185	170	160	150	140
140	225	210	195	180	170	160	150
160	240	225	210	195	185	170	160
200	255	240	225	210	200	185	175
225	270	255	240	225	215	200	190

Accessories

Solvent Cement and PTFE Tape

Solvent Cement for PVCu†

Code: PSFAC	Nominal Size	Code	Price each
	500ml tin	RTORCO0500	£50.26



Solvent Cement for PVCu

Quick, thixotropic rigid PVCu cement. For joining pipes, sockets and fittings with press and loose fit (gap filling) in pressure and drain systems. Suitable for diameters <315mm and 16 bar.

Dri-fast Solvent Cement for PVCu†

Code: PSFAC	Nominal Size	Code	Price each
	250ml tin	RTORDO0250	£30.93
	500ml tin	RTORDO0500	£47.79



Dri-fast utilises a special solvent formula that reduces drying times. Dri-fast is also suitable for use in damp or wet conditions.

Dri-fast Solvent Cement

Very fast, blue thixotropic rigid PVCu and ABS cement. For joining pipes, sockets and fittings with interference fit and loose fit (gap filling) in pressure and drainage systems. Excellent for Swimming pools, Spa's and applications under humid conditions. Suitable for diameters <160mm and 6 bar.

Solvent Cement for ABS†

Code: PSFAC	Nominal Size	Code	Price each
	500ml tin	ATOACO0500	£41.34



Solvent Cement for ABS

Quick thixotropic ABS cement. For joining pipes, sockets and fittings with press and loose fit (gap filling) in pressure and drain systems. Suitable for diameters <315mm and 16 bar.

Cleaning Fluid for PVCu and ABS †

Code: PSFAC	Nominal Size	Code	Price each
	500ml tin	CTORMO0500	£35.72



Cleaning Fluid

Effast MEK cleaner should be used for de-greasing and preparation of PVCu and ABS pipes and fittings prior to jointing with the relevant Effast cement.

HCR 36 Chemically Resistant Solvent Cement†

Code: PSFAC	Nominal Size	Code	Price each
	500ml tin	RTOHCR36	£194.78



Solvent Cement for Chemical Applications – HCR-36

Low-viscosity rigid PVCu cement. For joining pipes, sockets and fittings with press and loose fit (gap filling) in pressure and drain systems. Also suitable for PVCc max 60C. Especially for joints demanding a high chemical resistance. Suitable for diameters <160mm and 10 bar.

Indication of chemicals which require HCR-36 cement and cleaner.

Sulphuric Acid at concentrations >70%
 Hydrochloric Acid at concentrations >25%
 Nitric Acid at concentrations >20%
 Lyes (caustic soda) at concentrations >35%
 Fluoric Acid any concentration
 Sodium Hypochlorite: active chlorine content >7.5%

Solvent Cement and PTFE Tape

HCR 36 Cleaner†

Code: PSFAC	Nominal Size	Code	Price each
	500ml tin	CTOHCR36	£77.82



Cleaning Fluid for Chemical Applications – HCR-36 Cleaner for rigid PVCu, PVCc and ABS.

Cleaner should be used for de-greasing and preparation of PVCu, PVCc and ABS pipes and fittings prior to jointing with HCR-36 cement.

Indication of chemicals which require HCR-36 cement and cleaner.

Sulphuric Acid at concentrations >70%
 Hydrochloric Acid at concentrations >25%
 Nitric Acid at concentrations >20%
 Lyes (caustic soda) at concentrations >35%
 Fluoric Acid any concentration
 Sodium Hypochlorite: active chlorine content >7.5%

Brushes for Solvent Cement

Code: PSFAC	Nominal Size	Code	Price each
	25mm	BTOBRO0250	£2.36
	50mm	BTOBRO0500	£5.33



PTFE Tape

Code: PSFAC	Nominal Size	Code	Price each
	12mm	PTOPTFE12	£2.73



Prices shown are for one item excluding VAT

† Cure Times

Curing times may vary depending on surface area, product quantity used, humidity level and ambient temperature. If possible leave for 24 hours. More details available on request.

† Chemical Resistance

The chemical resistance of joints depends on gap width, drying time, pressure applied, temperature, type and concentration of the product. In general, the joint can be stated to have the same chemical resistance as the material itself, with the exception of a very limited number of very aggressive chemicals, such as concentrated organic acids, lyes and powerful oxidants.

Prices shown are for one item excluding VAT

Sales and enquiries please contact: 01622 795 225

PVCu and ABS Valve Spares

PVCu Valve Nut

Code: PSFAC



Nominal Size	Code	Price each
1/2" / 20	RBAGHA0200	£3.67
3/4" / 25	RBAGHA0250	£4.11
1" / 32	RBAGHA0320	£5.55
1 1/4" / 40	RBAGHA0400	£6.65
1 1/2" / 50	RBAGHA0500	£8.89
2" / 63	RBAGHA0630	£13.97
2 1/2" / 75	RBAGHA0750	£45.90
3" / 90	RBAGHA0900	£45.90
4" / 110	RBAGHA1100	£85.04

ABS Valve Nut

Code: PSFAC



Nominal Size	Code	Price each
1/2"	ABAGHA0200	£4.11
3/4"	ABAGHA0250	£5.05
1"	ABAGHA0320	£6.30
1 1/4"	ABAGHA0400	£8.16
1 1/2"	ABAGHA0500	£10.08
2"	ABAGHA0630	£15.66
2 1/2"	ABAGHA0750	£51.41
3"	ABAGHA0900	£51.41
4"	ABAGHA1100	£95.88

PVCu Socket End Connectors Plain

Code: PSFAC



Nominal Size	Code	Price each
3/8"	RBAMCA0160	£3.87
1/2"	RBAMCA0200	£4.07
3/4"	RBAMCA0250	£4.73
1"	RBAMCA0320	£5.91
1 1/4"	RBAMCA0400	£9.37
1 1/2"	RBAMCA0500	£12.15
2"	RBAMCA0630	£14.15
2 1/2"	RBAMCA0750	£41.72
3"	RBAMCA0900	£49.35
4"	RBAMCA1100	£62.11

ABS Socket End Connectors Plain

Code: PSFAC



Nominal Size	Code	Price each
3/8"	ABAMCA0160	£4.53
1/2"	ABAMCA0200	£4.94
3/4"	ABAMCA0250	£5.37
1"	ABAMCA0320	£7.02
1 1/4"	ABAMCA0400	£10.89
1 1/2"	ABAMCA0500	£14.21
2"	ABAMCA0630	£16.44
2 1/2"	ABAMCA0750	£46.55
3"	ABAMCA0900	£58.06
4"	ABAMCA1100	£72.45

Prices shown are for one item excluding VAT

PVCu and ABS Valve Spares

PVCu Socket End Connectors Plain Metric

Code: PSFAC



Nominal Size	Code	Price each
16	RBIMCI0160	£3.87
20	RBIMCI0200	£4.07
25	RBIMCI0250	£4.73
32	RBIMCI0320	£5.91
40	RBIMCI0400	£9.37
50	RBIMCI0500	£12.15
63	RBIMCI0630	£14.15
75	RBIMCI0750	£41.77
90	RBIMCI0900	£49.35
110	RBIMCI1100	£62.11

PVCu Female Socket End Connectors BSP Female Threaded

Code: PSFAC



Nominal Size	Code	Price each
3/8"	RBFCMF0160	£7.52
1/2"	RBFCMF0200	£7.73
3/4"	RBFCMF0250	£9.51
1"	RBFCMF0320	£10.57
1 1/4"	RBFCMF0400	£15.57
1 1/2"	RBFCMF0500	£20.06
2"	RBFCMF0630	£28.54
2 1/2"	RBFCMF0750	£57.26
3"	RBFCMF0900	£72.62
4"	RBFCMF1100	£90.40

Actuator Bracket for Double Union Industrial Ball Valve with Universal Mounting Block

Code: PSFAC



Nominal Size	Code	Price each
1" / 32	PBMSVM0320A	£177.02
1 1/4" / 40	PBMSVM0400A	£188.76
1 1/2" / 50	PBMSVM0500A	£194.71
2" / 63	PBMSVM0630A	£200.58
2 1/2" / 75	PBMSVM0750	£735.61
3" / 90	PBMSVM0900	£735.61
4" / 110	PBMSVM1100	£877.25

Industrial Ball Valve Handle Orange

Code: PSFAC



Nominal Size	Code	Price each
3/8"	RBAMOA0160	£4.76
1/2"	RBAMOA0200	£4.94
3/4"	RBAMOA0250	£5.58
1"	RBAMOA0320	£7.35
1 1/4"	RBAMOA0400	£8.34
1 1/2"	RBAMOA0500	£10.69
2"	RBAMOA0630	£12.70
2 1/2"	RBAMOA0750	£26.33
3"	RBAMOA0900	£29.85
4"	RBAMOA1100	£39.91

Prices shown are for one item excluding VAT

Accessories

PVCu and ABS Valve Spares

Water Supply Ball Valve Handle Blue

Code: PSFAC



Nominal Size	Code	Price each
3/8"	RBAMBA0160	£4.76
1/2"	RBAMBA0200	£4.94
3/4"	RBAMBA0250	£5.58
1"	RBAMBA0320	£7.35
1 1/4"	RBAMBA0400	£8.34
1 1/2"	RBAMBA0500	£10.95
2"	RBAMBA0630	£12.70
2 1/2"	RBAMBA0750	£26.33
3"	RBAMBA0900	£29.85
4"	RBAMBA1100	£39.91

EPDM and PTFE Seal Kits for Industrial Ball Valves

Code: PSFAC



Nominal Size	Code	Price each
3/8"	EBDSED0160	£22.03
1/2"	EBDSED0200	£22.40
3/4"	EBDSED0250	£28.23
1"	EBDSED0320	£38.35
1 1/4"	EBDSED0400	£56.26
1 1/2"	EBDSED0500	£66.35
2"	EBDSED0630	£113.42
2 1/2"	EBDSED0750	£176.22
3"	EBDSED0900	£193.29
4"	EBDSED1100	£238.07

FPM and PTFE Seal Kits for Industrial Ball Valves

Code: PSFAC



Nominal Size	Code	Price each
3/8"	EBVSEV0160	£35.25
1/2"	EBVSEV0200	£36.00
3/4"	EBVSEV0250	£45.35
1"	EBVSEV0320	£61.12
1 1/4"	EBVSEV0400	£90.10
1 1/2"	EBVSEV0500	£107.73
2"	EBVSEV0630	£159.47
2 1/2"	EBVSEV0750	£282.17
3"	EBVSEV0900	£309.36
4"	EBVSEV1100	£341.11

EPDM O Rings for Unions

Code: PSFAC



Nominal Size	Code	Price each
3/8" / 16	EPOGBO0160	£2.26
1/2" / 20	EPOGBO0200	£2.50
3/4" / 25	EPOGBO0250	£2.55
1" / 32	EPOGBO0320	£2.78
1 1/4" / 40	EPOGBO0400	£5.23
1 1/2" / 50	EPOGBO0500	£3.33
2" / 63	EPOGBO0630	£3.53
2 1/2" / 75	EPOGBO0750	£6.67
3" / 90	EPOGBO0900	£7.44
4" / 110	EPOGBO1100	£7.83

Prices shown are for one item excluding VAT

PVCu and ABS Valve Spares

FPM O Rings for Unions

Code: PSFAC



Nominal Size	Code	Price each
1/2" / 20	EPOGBV0200	£7.09
3/4" / 25	EPOGBV0250	£10.78
1" / 32	EPOGBV0320	£12.24
1 1/4" / 40	EPOGBV0400	£28.21
1 1/2" / 50	EPOGBV0500	£31.52
2" / 63	EPOGBV0630	£34.84

PVCu Union Bush Plain

Code: PSFAC



Nominal Size	Code	Price each
1/2"	RFABFA0200	£5.27
3/4"	RFABFA0250	£6.58
1"	RFABFA0320	£7.60
1 1/4"	RFABFA0400	£11.38
1 1/2"	RFABFA0500	£14.00
2"	RFABFA0630	£15.09
2 1/2"	RFABFA0750	£44.83
3"	RFABFA0900	£52.97
4"	RFABFA1100	£60.77

PVCu Union End Plain

Code: PSFAC



Nominal Size	Code	Price each
1/2"	RFABLA0200	£6.16
3/4"	RFABLA0250	£7.21
1"	RFABLA0320	£8.41
1 1/4"	RFABLA0400	£9.64
1 1/2"	RFABLA0500	£19.42
2"	RFABLA0630	£24.90
2 1/2"	RFABLA0750	£30.69
3"	RFABLA0900	£64.90
4"	RFABLA1100	£78.15

PVCu Union Nut

Code: PSFAC




Nominal Size	Code	Price each
1/2"	RFABGA0200	£10.35
3/4"	RFABGA0250	£12.06
1"	RFABGA0320	£19.72
1 1/4"	RFABGA0400	£20.66
1 1/2"	RFABGA0500	£29.49
2"	RFABGA0630	£38.38
2 1/2"	RFABGA0750	£88.47
3"	RFABGA0900	£105.95
4"	RFABGA1100	£124.13


Prices shown are for one item excluding VAT

PVCu and ABS Valve Spares


PVCu Union Bush BSP Female Threaded

Code: PSFAC	Nominal Size	Code	Price each
	3/8"	RFFBFF0160	£5.59
	1/2"	RFFBFF0200	£5.86
	3/4"	RFFBFF0250	£7.03
	1"	RFFBFF0320	£8.13
	1 1/4"	RFFBFF0400	£12.09
	1 1/2"	RFFBFF0500	£14.81
	2"	RFFBFF0630	£16.04
	2 1/2"	RFFBFF0750	£47.52
	3"	RFFBFF0900	£55.12
	4"	RFFBFF1100	£63.23


PVCu Union End BSP Female Threaded

Code: PSFAC	Nominal Size	Code	Price each
	3/8"	RFFBLF0160	£4.01
	1/2"	RFFBLF0200	£3.41
	3/4"	RFFBLF0250	£4.04
	1"	RFFBLF0320	£4.74
	1 1/4"	RFFBLF0400	£5.39
	1 1/2"	RFFBLF0500	£10.99
	2"	RFFBLF0630	£13.80
	2 1/2"	RFFBLF0750	£21.54
	3"	RFFBLF0900	£36.02
	4"	RFFBLF1100	£43.34

PVC Union Bush Plain Metric

Code: PSFAC	Nominal Size	Code	Price each
	16	RFIBFI0160	£5.33
	20	RFIBFI0200	£5.66
	25	RFIBFI0250	£6.65
	32	RFIBFI0320	£7.67
	40	RFIBFI0400	£11.46
	50	RFIBFI0500	£14.14
	63	RFIBFI0630	£15.23
	75	RFIBFI0750	£45.64
	90	RFIBFI0900	£53.41
	110	RFIBFI1100	£61.30


PVCu Union End Plain Metric

Code: PSFAC	Nominal Size	Code	Price each
	16	RFIBLI0160	£6.16
	20	RFIBLI0200	£6.52
	25	RFIBLI0250	£7.21
	32	RFIBLI0320	£8.41
	40	RFIBLI0400	£9.64
	50	RFIBLI0500	£19.42
	63	RFIBLI0630	£24.90
	75	RFIBLI0750	£31.24
	90	RFIBLI0900	£64.90
	110	RFIBLI1100	£78.15


Prices shown are for one item excluding VAT

PVCu and ABS Valve Spares

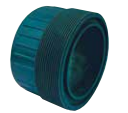
ABS Union End Plain

Code: PSFAC	Nominal Size	Code	Price each
	1/2"	AFABLA0200	£6.80
	3/4"	AFABLA0250	£7.59
	1"	AFABLA0320	£9.58
	1 1/4"	AFABLA0400	£10.88
	1 1/2"	AFABLA0500	£21.88
	2"	AFABLA0630	£28.14
	2 1/2"	AFABLA0750	£35.14
	3"	AFABLA0900	£73.07
	4"	AFABLA1100	£87.84


ABS Union Nut

Code: PSFAC	Nominal Size	Code	Price each
	1/2"	AFABGA0200	£11.51
	3/4"	AFABGA0250	£13.36
	1"	AFABGA0320	£22.15
	1 1/4"	AFABGA0400	£23.17
	1 1/2"	AFABGA0500	£33.48
	2"	AFABGA0630	£43.48
	2 1/2"	AFABGA0750	£99.43
	3"	AFABGA0900	£119.56
	4"	AFABGA1100	£139.61

ABS Union Bush Plain

Code: PSFAC	Nominal Size	Code	Price each
	1/2"	AFABFA0200	£5.99
	3/4"	AFABFA0250	£6.49
	1"	AFABFA0320	£8.41
	1 1/4"	AFABFA0400	£12.55
	1 1/2"	AFABFA0500	£15.40
	2"	AFABFA0630	£16.59
	2 1/2"	AFABFA0750	£48.99
	3"	AFABFA0900	£57.36
	4"	AFABFA1100	£63.17

Ball Valve Locking Cap

Code: PSFAC	Nominal Size	Code	Price each
	1/2"	BDRHTA0200	£0.77
	3/4"	BDRHTA0250	£0.89
	1"	BDRHTA0320	£1.53
	1 1/4"	BDRHTA0400	£1.53
	1 1/2"	BDRHTA0500	£2.62
	2"	BDRHTA0630	£2.76

Prices shown are for one item excluding VAT

Accessories

	Material °C Concentration	PVCu			ABS			PE			PP			EPDM			FPM		
		20	40	60	20	40	60	20	40	60	20	60	100	20	40	60	20	60	100
Acetaldehyde	technically pure	-			-			+	0	0	0	-	+	0	-	0	-		
	40%, aqueous solution	0	-		-			+	+	0	+	+	-	+	+	+	+	0	
Acetic Acid	technically pure,	0	-		-			+	+	0	+	0		0					
	glacial 10% aqueous	+	+	0	+	0	-	+	+	+	+	+	+	+	+	0	0	-	
Acetic Acid Anhydride	technically pure	-			-			+	0		+			0					
Acetone	technically pure	-			-			+	+	+	+	+		+	+	+			
Acrylonitrile	technically pure	-			-			+	+	+	+			+	+	0	0	-	
Adipic Acid	saturated, aqueous	+	+	0	-			+	+	+	+	+		+	+	+	+	+	
Alcoholic Spirits	app. 40% ethyl alcohol	+			-			+			+			+					
Allyl Alcohol	96%	0	-		-			+	+	+	+	+		0	0	0	0	-	
Aluminium Chloride	saturated	+	+	+	+	+	+	+	+	+	+	+	0	+	+	+	+	+	+
Aluminium Sulphate	cold saturated, aqueous	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	
Ammonia	gaseous, tech. pure	+	+	+	-			+	+	+	+	+		+					
Ammonium Acetate	aqueous, all				-			+	+	+	+	+	+	+	+	+	+	+	
Ammonium Hydrogen Fluoride	50%, aqueous	+	+	0	-			+	+	+	+	+		+					
Ammonium Compounds: See Sodium																			
Amyl Acetate	technically pure	-			-			+	+	+	0	-		0					
Amyl Alcohol	technically pure	+	+	0	-			+	+	+	+	+		+	+	+			
Aniline	technically pure	-			-			0			0			-			0	0	
Aniline Hydrochloride	aqueous, saturated	+	0		-			+	+	0	+	0		+	+	+	0	-	
Antimony Trichloride	90%, aqueous	+	+		-			+	+	+	+	+		+					
Aqua Regia		+	0		-			-			0	-		-				0	
Arsenic Acid	80%, aqueous	+	+	0	+	+	+	+	+	+	+	+		+	+	+	+	+	+
Barium Hydroxide	aqueous, saturated	+	+	0	+	+	+	+	+	+	+	+		+	+	+	+	+	
Barium Salts	aqueous, all	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	
Beef Tallow Emulsion, Sulphonated	usual commercial	+						+			+			-					
Beer	usual commercial	+	+	+	+	+	+	+	+	+	+	+		+					
Benzaldehyde	aqueous, saturated	-			-			+	+	+	+			+	+	+	+	+	
Benzene	technically pure	-			-			0	0		0	-		-					
Benzine	free of lead and aromatic compounds	+	+	+	-			+	+	0	0	-		-			+	+	
Benzoic Acid	aqueous, all	+	+	0	+	+	0	+	+	+	+	+	+	-			+	+	0
Benzyl Alcohol	technically pure	0			-			+	+	0	+	+		+					
Bleaching Lye	12.5% active chlorine aqueous	+	+	0	0			0	-		0	-		+					
Borax	aqueous, all	+	+	0	0			+	+	+	+	+	+	+	+	+	+	+	
Boric Acid	aqueous, all	+	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brine, Sea Water		+	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bromine, Liquid	technically pure	-			-			-			-			-					
Butadiene	technically pure	+			-			+			+	+		-				0	
Butane	technically pure	+			+			+			+			-					
Butanediol	aqueous, 10%	+	0		-			+	+	+	+	+		+	+	+	+	+	
Butanol	technically pure	+	+	0	-			+	+	+	+	0		+	+	+	+	+	0
Butyl Acetate	technically pure	-			-			+			0			+	-			0	-
Butyl Phenol, P-Tertiary	technically pure	0	-		-			0			+			-					0
Butylene Glycol	technically pure	+	+	0	+	+	+	+	+	+	+	+		+	+	+	+	+	0
Butylene Liquid	technically pure	+			-			-			-			0					
Butyric Acid	technically pure	+			-			+	+	0	+			0					
Calcium Bisulphate	cold saturated, aqueous	+												+				+	+
Calcium Chloride	saturated, aqueous, all	+	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Calcium Hydroxide	aqueous, saturated	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+
Calcium Hypochlorite	cold saturated, aqueous	+	+		+	+	-	+	+	+	+	+		+	+	+	+	+	
Calcium Nitrate	50%, aqueous	+	+		+	+	+	+	+	+	+	+		+	+	+	+	+	
Carbon Dioxide (Carbonic Acid)	technically pure, moist	+	+	0	+	+	+	+	+	+	+	+		+	+	+	+	+	
Carbon Disulphide	technically pure	-			-			0			0			-					
Carbon Tetrachloride	technically pure	-			-			-			-			-				+	+
Caustic Soda Solution	up to 40%, aqueous	+	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+	0	-
(Sodium Hydroxide)	up to 50%, aqueous	+	+	+	+	+	+	+	+	+	+	+	+	+	+	0			
Chloral Hydrate	technically pure	-			-			+	+	+	0	-		0					
Chloric Acid	10%, aqueous	+	+	0	-			+	+		-			+	+	+			
Chlorine	moist, 97% gaseous	0			-			-			-			0					
	anhydrous, tech.	0			-			0	0	-	-			0					+

= No Data -- = Not Recommended 0 = Conditionally Resistant += Resistant

Guide to Chemical Resistance

	Material °C Concentration	PVCu			ABS			PE			PP			EPDM			FPM			
		20	40	60	20	40	60	20	40	60	20	60	100	20	40	60	20	60	100	120
Chlorine	pure liquid, technically pure	-			-			-			-			-			0			
Chlorine Water	saturated	0	0		0	0		0	0		0			0			0			
Chloroacetic Acid, Mono	50%, aqueous	+	+		-			+	+	+	+	+		0			-			
Chloroenezene	technically pure	-			-			0			+			-			-			
Chloroethanol	technically pure	-			-			+	+	+	+	+		0			-			
Chloroform	technically pure	-			-			-			0			-			0			
Chlorosulphonic Acid	technically pure	0			-			-			-			-			-			
Chrome Alum (Chromium Potassium Sulphate)	cold saturated, aqueous	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+
Chrome Acid	all, aqueous	+			-			0			0			0			+	0		
Cider		+			+	+		+			+			+			+			
Citric Acid	10% aqueous	+	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Copper Salts	all, aqueous	+	+	0	+	+	+	+	+	+	+	-		+	+	+	+	+	+	+
Corn Oil	technically pure	0			0			+	+	0	+	0		0	-		+	+		
Cresol	cold saturated, aqueous	0			-			+	+		+			-			+			
Crotonic Aldehyde	technically pure	-			-			+			+			+			+			
Cyclohexane	technically pure	-			-			+	+	+	+			-			+			
Cyclohexanol	technically pure	+	+	+	-			+	+	+	+	0		-			+			
Cyclohexanone	technically pure	-			-			+	0	0	+	0		0			-			
Detergents (Washing Powders)	usual washing lathers	+	+	0	-			+	+	+	+	+		+	+	+	+	+	+	+
Dextrine	(Starch Gum) usual commercial	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+
Dibutyl Ether	technically pure	-			-			0	-		0	-		-			+	0		
Dibutyl Phthlate	technically pure	-			-			+	0	0	+	0		0			0			
Dibutyl Sebacate	technically pure	-			-			+			+			+			+			
Dichloroacetic Acid	technically pure	+	+	0	-			+	+	0	+	0		+	+	+	0	-		
Dichloroacetic Acid Methl Esher	technically pure	-			-			+	+	+	+	+		+	+	0	-			
Dichlorobenzene	technically pure	-			-			0			0			-			+			
Dichloroethylene	technically pure	-			-			-			0			-			0			
Diesel Oil		+	+		0			+	0		0			-			+			
Diethylamine	technically pure	0			-						+			0						
Di-Isobutyl Ketone	technically pure	-			-			+	-		+	-		0			-			
Dimethyl Formamide	technically pure	-			-			+	+	0	+	+		0			+			
Dimethylamine	technically pure	0			-			+	0		+			0			-			
Ethyl Acetate	technically pure	-			-			+	0	0	+	0		0	0	0	-			
Ethyl Alcohol	technically pure, 96%	+	+	0	-			+	+	+	+	+		+	+	+	0	0		
Ethyl Alcohol + Acetic Acid	fermentation mixture	+	+	0	-			+	+	+	+			+	+	0	0	0		
Ethyl Benzene	technically pure	-			-						0	-		-			0			
Ethyl Chloride	technically pure	-			-			0			0			-			0			
Ethyl Ether	technically pure	-			-			0			+			-			-			
Ethylene Chloride	technically pure	-			-			0			0			0	0	-	+	0		
Ethylene Diamine	technically pure	0			-			+	+	+	+			+	+	+	0	-		
Ethylene Glycol	technically pure	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ethylene Oxide	technically pure, liquid	-			-			-			0			0			-			
Fatty Acids >C6	technically pure	+	+	+	-			+	+	0	+	+		-			+			
Fatty Alcohol Sulphonates	aqueous	+	+	0	-			+	+	+	+	0		+	+	+	+	+	+	+
Ferric Chloride	saturated	+	+	+	-			+	+	+	+	+	-	+	+	+	+	+	+	+
Ferric Nitrate	saturated	+	+	+	+	0	-	+	+	0	0	-		+	+	0	+	+	+	+
Ferrous Sulphate		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fluosilicic Acid	32%, aqueous	+	+	+	+	+	+	+	+	+	+			0	0	-	-			
Formaldehyde	40%, aqueous	+	+		+	+	+	+	+	+	+			+	+	+	+	+	+	+
Formamide	technically pure	-			-			+	+	+	+	+		+			0			
Formic Acid	technically pure	+	0	-	-			+	+	+	+	-		+	+	+	-			
Fruit Juices		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fuel Oil		+	0		0			0	-		0	-		-			+	+		
Furfuryl Alcohol	technically pure	-			-			+	+	+	+	0		0			-			
Gelatine	all, aqueous	+	+		+	+	+	+	+	+	+	+		+	+		+			
Glucose	all, aqueous	+	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Glycerine	technically pure	+	+	+	+	+	0	+	+	+	+	+	+	+	+	+	+	0		
Glycocoll	10%, aqueous	+	+		+			+	+		+			+	+		+			
Glycolic Acid	37%, aqueous	+			+	+		+	+	+	+			+			+			
Heptane	technically pure	+			+	-		+	0		+	0		-			+	+		

= No Data -- Not Recommended 0 = Conditionally Resistant + = Resistant

	Material °C Concentration	PVCu			ABS			PE			PP			EPDM			FPM		
		20	40	60	20	40	60	20	40	60	20	60	100	20	40	60	20	60	100
Hexane	technically pure	+			+ -			+	+	0	+	0	-			+	+		
Hydrazine Hydrate	aqueous	+			-			+	+	+	+	+	+			+			
Hydrobromic Acid	50%, aqueous	+	+	+	+	+		+	+	+	+	+	+	+	0	+	+	-	
Hydrochloric Acid	up to 10%, aqueous	+	+	0	+	+	0 -	+	+	+	+	0	+	+	+	+	+		
	up to 36%, aqueous	+	+	0	-			+	+	+	+	-	+	0	-	+	-		
Hydrocyanic Acid	technically pure	+	+	0	+	+		+	+	+	+	+	+	0		+			
Hydrofluoric Acid	up to 10%, aqueous	+	0	0	+	+		+	+	0	+	+	-			+	0		
	40%, aqueous	+			-			+	+	0	+	+	-			+			
	70%, aqueous	+			-			+		0	+		-			+			
Hydrogen	technically pure	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hydrogen Chloride	tech. pure, gaseous	+	+	0	-			+	+	+	+	+	+	+	+	+	+		
Hydrogen Peroxide	3%, aqueous	+	+	0	+	+		+	+	+	+	+	+	0	-	+	-		
	30%, aqueous	+	+		-			+	+	+	+	0	0	-		+	0		
	90%, aqueous				-			+	-	-			0			0			
Hydrogen Sulphide	technically pure	+	+	+	+			+	+	0	+	+	+	0	-	+	0		
Iodine Solution	6.5% iodine in ethanol	-			-			+		0	+		+			+			
Iron Salts	all, aqueous	+	+	0	+	+		+	+	+	+	+	+	+	+	+	+		
Iso-Octane	technically pure	+			-			+		0	+	0	-			+			
Isopropyl Alcohol	technically pure	+			-			+	+	+	+	+	+	+	+	+	+		
Isopropyl Ether	technically pure	-			-			0	-	0	-	-	-			-			
Lactic Acid	10%, aqueous	+	0	-	+	0 -		+	+	+	+	+	+	0	0	0	+		
Lanolin	technically pure	+	0		+	+	+	+	+	+	+	+	+	0	-	+	+		
Lead Acetate	aqueous, saturated	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Linseed Oil	technically pure	+	+	0	+			+	+	+	+	+	+	0	-	+	+		
Lubricating Oils		+	+	+	0			+	+	0	0		-			+	+		
Magnesium Salts	all, aqueous	+	+	0	+	+		+	+	+	+	+	+	+	+	+	+		
Maleic Acid	cold saturated, aqueous	+	+	0	+			+	+	+	+	+	0	-		+	+		
Mercury	pure	+	+	+	+			+	+	+	+	+	+	+	+	+	+		
Mercury Salts	cold, saturated, aqueous	+	+	0	+			+	+	+	+	+	+	+	+	+	+		
Methane (Natural Gas)	technically pure	+			+			+			+		-			+			
Methanol	all	+	+	0	-			+	+	+	+	+	+	+	+	0	0		
Methyl Acetate	technically pure	-			-			+			+	0	0			-			
Methyl Amine	32%, aqueous	0			-			+			+		+			+			
Methyl Bromide	technically pure	-			-			0			-		-			0			
Methyl Chloride	technically pure	-			-			0			-		0			-			
Methylene Chloride	technically pure	-			-			0			0		-			0			
Methyl Ethyl Ketone	technically pure	-			-			+	0	-	+	0	+	0		-			
Milk		+	+	+	+	+	+	+	+	+	+	+	+			+			
Molasses		+	+	0	+	+	0	+	+	+	+	+	+	+	+	+	+		
Monochloroacetic Acid Ethyl Ester	technically pure	0			-			+	+	+	+	+	+			0			
Monochloroacetic Acid Methyl Ester	technically pure	0			-			+	+	+	+	+	+			0			
Morpholin	technically pure	-			-			+	+	+	+	+	0			+			
Naphthalene	technically pure	-			-			+	0		+		-			+	+		
Nickel Salts	cold saturated, aqueous	+	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+		
Nitric Acid	5%, aqueous	+	+	+	+	0	-	+	+	+	+	0	+	+	0	+	0		
	up to 40%, aqueous	+	+	0	-			0	-		0	-	+	+	0	+	+		
	65%, aqueous	0	0	-	-			0	-	-	-		-			+	-		
Nitrobenzene	technically pure	-			-			+	+	0	+	+	-			0			
Nitroluene (O-, M-, P-)	technically pure	-			-			+	+	0	+	0	-			0	-		
Nitrous Gases	diluted, moist, anhydrous	+		0	0			+	+	+	+	-	+	+	0	+	+		
Oleic Acid	technically pure	+	+	+	+	0	-	+	+	0	+	0	-			+	-		
Olive Oil		+	+	+	+			+	+	0	+	+	-			+	+		
Oxalic Acid	cold saturated, aqueous	+	+	+	+	+		+	+	+	+	+	0	0	0	+	0		
Oxygen	technically pure	+	+	+	+	+	+	+	+	0	+	0	+	+	+	+	+		
Ozone	cold saturated, aqueous	+	+		-			0	-		0	-	+	0	-	+	-		
Palmitic Acid	technically pure	+			-			0			-		0	-		+	-		
Palm Oil, Palm Nut Oil		+	-					+	+	0	+	0	+	0	-	+	+		
Paraffin Emulsions	usual comm., aqueous	+	+		-			+	+	0	+	0	-			+	+		
Paraffin Oil		+	+	0	+	+	+	+	+	+	+	0	-			+	+		
Perchloric Acid	10%, aqueous	+	+	0	+	+		+	+	+	+	+	+	+	+	+	+		

= No Data - = Not Recommended 0 = Conditionally Resistant + = Resistant

Guide to chemical resistance

	Material °C Concentration	PVCu			ABS			PE			PP			EPDM			FPM			
		20	40	60	20	40	60	20	40	60	20	60	100	20	40	60	20	60	100	120
Perchloric Acid	70%, aqueous	0			-			+	0	-	0	-	+	+	+	+	+	+		
Perchloroethylene (Tetrachloroethylene)	technically pure	-			-			0			0		-				+	+		
Petroleum	technically pure	+			-			+	+	0	+	0	-				+	0		
Petroleum Ether	technically pure	+	+	+	-			+	0	0	+	0	-				+	0		
Petroleum Jelly	technically pure	0	-		-			0	-		+	0	-				+	+	+	+
Phenol	up to 90%, aqueous	0			-			+	+	0	+	+	-				+	-		
Phenylhydrazine	technically pure	-			-			0			0		0				+	0		
Phenylhydrazine Hydrochloride	aqueous	0			-			0			+	0	+	+	0		+	0		
Phosgene	gaseous, technically pure	+	0	0	-						0		+	+	+		+	0		
Phosphoric Acid	85%, aqueous	+	+	+	+	+	0	+	+	0	+	+	+	+	+		+	+	0	
Phosphorous Pentoxide	technically pure	+	+		+	+		+	+		+		+	+	+		+	+		
Photographic Developer	usual commercial	+	+	0	+	+	0	+	+	0	+		+	+	+		+			
Photographic Emulsion		+	+		+	+		+	+		+		+	+			+			
Photographic Fixer	usual commercial	+	+	0	+	+	0	+	+		+		+	+			+			
Phthalic Acid	saturated, aqueous	+	0	-	-			+	+	+	+	+	+	+	0		-			
Picric Acid	1%, aqueous	+			-			+			+		+	+	0		+	+		
Potash (Potassium Carbonate)	cold saturated, aqueous	+	+		+	+	+	+	+		+	+	+	+			+			
Potassium Permanganate	cold saturated, aqueous	+	+	0	-			+	+	0	+	+	+	+	+		+	+		
Potassium Compounds: See Sodium																				
Propane	technically pure, liquid	+			+			+			+		-				+			
Propanol, N- And Iso-	technically pure	+	0	0	-			+	+	+	+	+	+	+	+		+	+		
Propionic Acid 50%, Aqueous		+	+	0	-			+	+	+	+	+	+	+	+		+	+	0	
Propylene Glycol	technically pure	+	+	+	0			+	+	+	+	+	+	+	+		+	+	0	
Propylene Oxide	technically pure	0			-			+			+		+				-			
Pyridine	technically pure	-			-			+	0	0	0	0	+	0	-	0	-			
Silicone Oil		+	0	-	+			+	+	+	+	+	0	-			+	+		
Silver Salts	cold saturated, aqueous	+	+	0	+	+	+	+	+	+	+	+	+	+	+		+	+		
Soap Solution	all, aqueous	+	+	0	+	+	+	+	+	+	+	+	+	+	+		+	+		
Sodium Acetate	all, aqueous	+			+	+	+	+	+	+	+	+	+	+	+		+	+		
Sodium Benzoate	cold saturated, aqueous	+	+	0	-			+	+	+	+	+	+	+	+		+	+		
Sodium Bicarbonate	cold saturated, aqueous	+	+	+				+	+	+	+	+	+	+	+		+	+		
Sodium Bisulphate	10%, aqueous	+	+	0				+	+	+	+	+	+	+	+		+	+	+	
Sodium Bisulphite	all, aqueous	+	0	-	+	+	+	+	+	+	+	+	+	+	+		+	+	0	-
Sodium Bromate	all, aqueous	+	0		+	+	+	+	0		+		+	+	+		+	+		
Sodium Bromide	all, aqueous	+	+	0	+	+	+	+	+	+	+	+	+	+	+		+	+		
Sodium Carbonate (Soda)	cold saturated, aqueous	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		
Sodium Chlorate	all, aqueous	+	+	0	+	+	+	+	+	+	+	+	+	+	+		+	+		
Sodium Chloride	all, aqueous	+	+	0	+	+	+	+	+	+	+	+	+	+	+		+	+	+	
Sodium Chlorite	diluted, aqueous	0						+			+	0	+	+	+		+	+		
Sodium Chromate	10%, aqueous	+	+	0	+	+	+	+			+		+	+	+		+	+		
Sodium Disulphate	all, aqueous	+	+	0				+			+		+	+	+		+	+		
Sodium Dithionite (Hyposulphite)	up to 10%, aqueous	+	+	0				+	+	+	+	+	+	+	+		+	+		
Sodium Fluoride	cold saturated, aqueous	+	+		+	+	+	+			+		+	+	+		+	+		
Sodium Hydroxide See Caustic Soda																				
Sodium Hypochlorite	aqueous (12.5% active)	+	+	0	-			0	-		0	-	+				+			
Sodium Iodide	all, aqueous	+	+	0	+	+	+	+			+		+	+	+		+	+		
Sodium Nitrate	cold saturated, aqueous	+	+	0	+	+		+	+	+	+	+	+	+	+		+	+		
Sodium Nitrite	cold saturated, aqueous	+			+	+	+	+			+		+	+	+		+	+		
Sodium Oxalate	cold saturated, aqueous	+	+	0				+			+		+				+			
Sodium Persulphate	cold saturated, aqueous	+	+	0				+	+	+	+	+	+	+	+		+	+	+	
Sodium Phosphate	cold saturated, aqueous	+	+	0	+	-		+	+	+	+	+	+	+	+		+	+		
Sodium Silicate	all, aqueous	+	+	0	+	+	+	+	+	+	+	+	+	+	+		+	+		
Sodium Sulphate	cold saturated, aqueous	+	+	0	+	+	+	+	+	+	+	+	+	+	0		+	+		
Sodium Sulphide	cold saturated, aqueous	+	+	0	+	+	+	+	+	+	+	+	+	+	+		+	+	-	
Sodium Sulphite	cold saturated, aqueous	+	+	0	+	+		+	+	+	+	+	+	+	+		+	+		
Sodium Thiosulphate	cold saturated, aqueous	+	+	0	+	-		+	+	+	+	+	+	+	+		+	+		
Spirits (Brandy)	usual commercial	+	+	+	-			+	+	+	+	+	+	+	+		+	+		
Stannous Chloride	cold saturated, aqueous	+	0	0	+	+		+	+	+	+	+	+	0	-		+	+		
Starch Solution	all, aqueous	+	+	+	+	+		+	+	+	+	+	+	+	+		+	+		
Stearic Acid	technically pure	+	+	+	+	+		+	0		+	0	+	+	0		+	0		

= No Data -- Not Recommended 0 = Conditionally Resistant + = Resistant

	Material °C Concentration	PVCu			ABS			PE			PP			EPDM			FPM			
		20	40	60	20	40	60	20	40	60	20	60	100	20	40	60	20	60	100	120
Succinic Acid	all, aqueous	+	+	+				+	+	+	+	+		+	+	+	+	+		
Sugar Syrup	usual commercial	+	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Sulphur	technically pure	0	-		-			+	+	+	+	+		-			+	+		
Sulphur Dioxide	all, moist,	+	+	0	-			+	+	+	+	+		+	+	0	+	-		
	technically pure, liquid	-			-			-			-			0			0			
Sulphur Trioxide		-			-			-			-			-			+			
Sulphuric Acid	up to 30%, aqueous	+	+	0	+	+	0	+	+	+	+	+		+	+	+	+	+	-	
	up to 50%, aqueous	+	+	+	+	0	-	+	+	+	+	+		+	+	0	+	+		
	up to 80%, aqueous	+	+	+	-			+	+	0	+	0		+	0	-	+	0		
	up to 90%, aqueous	+	+		-			0			0			0	-		+			
	up to 96%, aqueous	+	+	0	-			-			-			-			+			
Sulphurous Acid	saturated, aqueous	+	+	0	-			+	+	+	+	+		+	0	-	+	0		
Tallow	technically pure	+	+	+	+	+		+	+	+	+	+		+	+	+	+	+		
Tannic Acid	all, aqueous	+			+	+		+	+	+	+	+		+			+			
Tartaric Acid	all, aqueous	+	+	0	+	+		+	+	+	+	+		+	0	-	+	+		
Tetrachloroethane	technically pure	-			-			0			0			-			0			
Tetraethyl Lead	technically pure	+			-			+			+			0			+			
Tetrahydrofuran	technically pure	-			-			0			-			-			-			
Thionyl Chloride	technically pure	-			-			-			-			-			-			
Toluene	technically pure	-			-			0	-		0	-		-			0	-		
Tributylphosphate	technically pure	-			-			+	+	+	+	+		+			-			
Trichloroethylene	technically pure	-			-			-			0			-			+			
Trichloroacetic Acid	50%, aqueous	+	0		-			+	+	+	+	+		0			-			
Trichloroethane (Methylchloroform)	technically pure	-			-			0			0			-			+			
1,2,2-Trifluoroethane (Freon 113)	technically pure	+	+											-			+			
Tricesyl Phosphate	technically pure	-			-			+	+	+	+	0		-			-			
Triethanolamine	technically pure	0			-			+	+	+	+			-			+			
Triethylamine	technically pure				+									-						
Trioctyl Phosphate	technically pure	-			-			0			+			-			-			
Turpentine Oil	technically pure	+	0		-			0	0	0	-			-			+	+		
Urea		+	+	0	-			+	+	+	+	+		+	+	+	+	+		
Urine		+	+	0	+	+		+	+	+	+	+		+	+	+	+	+		
Vegetable Oils And Fats		+	0		+	+		+	0		+	0		-			+	+		
Vinegar		+	+	+	+	+	+	+	+	+	+	+		+	0	-	0	-		
Vinyl Acetate		-			+	+	0				+	0		+			+			
Vinyl Chloride		-			-									0			+			
Waste Gases, Alkaline		+	+	+	-			+	+	+	+	+		+	+	+	+	+	-	
Waste Gases Containing:																				
- Carbon Oxides	all	+	+	+				+	+	+	+	+		+	+	+	+	+	+	
- Hydrochloric Acid	all	+	+	+				+	+	+	+	+		+	+	+	+	+	+	
- Hydrogen Fluoride	traces	+	+	+				+	+	+	+	+		+	+	0	+	+		
- Nitrous Gases	traces	+	+	+				+	+	+	+	0		+	+	+	+	+	0	
- Sulphur Dioxide	traces	+	+	+				+	+	+	+	+		+	+	+	+	+		
- Sulphur Trioxide	traces	+	+	+				+	+	+	+	0		+	+	+	+	+		
- Sulphuric Acid	all	+	+	+				+	+	+	+	0		+	+	+	+	+		
Water, Condensed		+	+	0	+	+	+	+	+	+	+	+		+	+	0	+	+		
Water, Distilled, De-Ionised		+	+	+	+	+	+	+	+	+	+	+		+	+	0	+	+	+	+
Water, Drinking		+	+	+	+	+	+	+	+	+	+	+		+	+	0	+	+	+	
Wax Alcohol	technically pure	+	+	+	-			0	-		0	-		-			+	+		
Wetting Agents	up to 5%, aqueous	+	+	0	+			+			+	+		+			+			
Wines, Red And White	usual commercial	+			+	+	+	+	+	+	+	+		+			+			
Wine Vinegar	usual commercial	+	+	+	+	+		+	+	+	+	+		+	0		0	-		
Yeast	all, aqueous	+	+	+	+	+		+	+	+	+	+		+	+	+	+			
Xylene	technically pure	-			-			-			-			-			+	-		
Zinc Salts	all, aqueous	+	+	0	+	+		+	+	+	+	+		+	+	+	+	+		

= No Data -- = Not Recommended 0 = Conditionally Resistant + = Resistant

The data in the tables is based on information from the raw material suppliers, gained using direct contact between the chemical and the unprocessed raw material. The resistance of any of the finished products against these media has not been verified. There is no given or intended legally binding assurance of material properties or of suitability for a specific purpose. Materials must be tested under actual service conditions to determine the suitability for a specific application.

Engineering data & flange tables

Volumetric rate of flow (liquid)							
litre	litre per minute l/min	cubic metre per hour m ³ /h	cubic foot per hour ft ³ /h	cubic foot per minute ft ³ /m	uk gallon per minute uk gal/min	us gallon per minute us gal/min	us barrel/d
1	60	3.6001	127.136	2.1189	13.1986	15.8508	543.456
0.0167	1	0.0600	2.1189	0.3532	0.22	0.2642	9.0576
0.2778	16.6666	1	35.3147	0.5886	3.6662	4.4029	150.956
0.0079	0.4719	0.0283	1	0.1067	0.1038	0.1247	4.2746
0.4719	28.316	1.6990	60	1	6.2288	7.4805	256.475
0.0758	4.546	0.2728	9.6326	0.1605	1	1.201	41.1754
0.0631	3.7853	0.2271	8.0208	0.1337	0.8327	1	4.2857
0.0018	0.1104	0.0066	0.2339	0.0039	0.0243	0.0292	1

Pressure and liquid head									
① bar	kilogram force per square centimetre ② kgf/cm ²	pound force per square inch ③ lbf/in ²	④ atm	foot of water ⑤ ft h ₂ o	inch of water in h ₂ o	metre of water m h ₂	centimetre of mercury cm hg	inch of mercury in hg	⑥ mm hg
1	1.0197	14.5038	0.9869	33.4553	401.463	10.1972	75.0062	29.530	29.530
0.9807	1	14.2233	0.9878	32.8084	393.701	10	73.556	28.959	28.959
0.0689	0.0703	1	0.0609	2.3067	27.68	0.7031	5.1715	2.036	2.036
1.0133	1.0332	14.6959	1	33.889	406.782	10.3323	76.0	29.9213	29.9213
0.0299	0.0305	0.4335	0.0295	1	12	0.3048	2.242	0.8827	0.8827
0.0025	0.0025	0.0361	0.0025	0.0833	1	0.0254	0.1868	0.0734	0.0734
0.0981	0.1000	1.422	0.0968	3.2808	39.3701	1	7.3556	2.896	2.896
0.0133	0.0136	0.1934	0.0132	0.4461	5.3524	0.136	1	0.3937	0.3937
0.0339	0.0345	0.4911	0.0334	1.133	13.5951	0.3453	2.54	1	1
0.0013	0.0014	0.0193	0.0013	0.446	0.5352	0.0136	0.1	0.0394	0.0394

① 1 bar = 105N/m² ② Technical (metric) atmosphere (at) ③ Often denoted non-technically as psi ④ International standard atmosphere ⑤ At density 1g/cm³ ⑥ Also known as torr

Dimensions of flanges (mm)															
flange size			bs4504 pn6				bs4504 pn10				bs4504 pn16				
inch	n.b.mm	nominal	pcd	od	bolt	no bolts	pcd	od	bolt	no bolts	pcd	od	bolt	no bolts	
½"	20	15	55	80	M10	4	65	95	M12	4	65	95	M12	4	
¾"	25	20	65	90	M10	4	75	105	M12	4	75	105	M12	4	
1"	32	25	75	100	M10	4	85	115	M12	4	85	115	M12	4	
1¼"	40	32	90	120	M12	4	100	140	M16	4	100	140	M16	4	
1½"	50	40	100	130	M12	4	110	150	M16	4	110	150	M16	4	
2"	63	50	110	140	M12	4	125	165	M16	4	125	165	M16	4	
2½"	75	65	130	160	M12	4	145	185	M16	4	145	185	M16	4	
3"	90	80	150	190	M16	4	160	200	M16	8	160	200	M16	8	
4"	110	100	170	210	M16	4	180	220	M16	8	180	220	M16	8	
5"	140	125	200	240	M16	8	210	240	M16	8	210	240	M16	8	
6"	160	150	225	265	M16	8	240	285	M20	8	240	285	M20	8	
8"	225	200	280	320	M16	8	295	340	M20	8	295	340	M20	12	
10"	280	250	335	375	M16	12	350	395	M20	12	355	405	M24	12	
12"	315	300	395	440	M20	12	400	445	M20	12	410	460	M24	12	

flange size			bs10 table d				bs10 table e				asa 150			
inch	n.b.mm	nominal	pcd	od	bolt	no bolts	pcd	od	bolt	no bolts	pcd	od	bolt	no bolts
½"	20	15	67	95	½"	4	67	95	½"	4	67	95	½"	4
¾"	25	20	73	102	½"	4	73	102	½"	4	73	102	½"	4
1"	32	25	83	114	½"	4	83	114	½"	4	83	114	½"	4
1¼"	40	32	87	121	½"	4	87	121	½"	4	87	121	½"	4
1½"	50	40	98	133	½"	4	98	133	½"	4	98	133	½"	4
2"	63	50	114	152	⅝"	4	114	152	⅝"	4	114	152	⅝"	4
2½"	75	65	127	165	⅝"	4	127	165	⅝"	4	127	165	⅝"	4
3"	90	80	146	184	⅝"	4	146	184	⅝"	4	146	184	⅝"	4
4"	110	100	178	216	⅝"	4	178	216	⅝"	4	178	216	⅝"	4
5"	140	125	210	254	⅝"	8	210	254	⅝"	8	210	254	⅝"	8
6"	160	150	235	279	⅝"	8	235	279	⅝"	8	235	279	⅝"	8
8"	225	200	292	337	⅝"	8	292	337	⅝"	8	292	337	⅝"	8
10"	280	250	356	406	¾"	8	356	406	¾"	8	356	406	¾"	8
12"	315	300	406	457	¾"	12	406	457	¾"	12	406	457	¾"	12

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