

Unplasticised Polyvinyl Chloride (PVC-U) is the most widely used of all plastics used for pipe installations. It is rigid, versatile, and is suitable for both above or below ground installations.

It has excellent chemical resistance which, when combined with smoothness of bore, eliminates build up of scale and gives good flow characteristics. It is odourless and tasteless, and is suitable for conveying potable water and many food or dairy products.

PVC-U is suitable for use at temperatures from 0°C to 60°C at a wide range of operating pressures, depending upon the system chosen. It is lightweight and easy to install, using cold solvent welded joints which require no special tools.

## application guide

- ☒ Temperature range 0°C to 60°C
- ☒ Abrasion resistant
- ☒ Non-toxic and taint free
- ☒ Rigid pipes - no special support needed
- ☒ Ideal for above and below ground use
- ☒ Resistant to many inorganic chemicals
- ☒ Threading possible
- ☒ Resistant to most solutions of acids, alkalis and salts
- ☒ Sizes from 1/4" to 24" and 10mm to 630mm
- ☒ No special tools required for installation
- ☒ Jointing by cold solvent welding or rubber ring mechanical joints
- ☐ Not resistant to aromatic and chlorinated hydrocarbons

## standards and approvals

We offer a wide range of systems to leading international standards:

Pipe (inch sizes)	: EN 1452
	: ASTM D 1785
	: ASTM D 2241
Pipe (mm sizes)	: EN 1452
	: DIN 8061/2
Fittings (inch sizes)	: BSEN 1452-3
	: ASTM D2467
	: ASTM D 2466
Fittings (mm sizes)	: DIN 8063
Threaded Fittings	: BS21/DIN 2199/ISO 727
	: ASTM D 2464

Pipes, fittings and solvent cements are WRAS listed for use in contact with cold potable water.

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## about: pvc-u

Unplasticised Polyvinylchloride (PVC-U) is one of the oldest and most widely used plastics for piping systems worldwide. It is a versatile material that is used for both pressure and drainage piping systems for above and below ground applications. It has good tensile, flexural and mechanical strength, low moisture absorption, good flammability characteristics, and exceptional dimensional stability.

PVC-U has excellent chemical resistance across its operating temperature range of 0°C to 60°C, with a broad band of operating pressures. PVC-U systems are very cost-effective and typically account for a large proportion of thermoplastic piping installations.

PVC-U systems feature the widest range of pipe sizes, fitting configurations, valve choices and ancillary items compared to all other thermoplastic piping materials.

PVC-U piping systems are joined by solvent cement welding, whilst transition joints can be made using flanges, threaded connections, mechanical fittings, and compression fittings.

PVC-U piping systems are available from IPS in both inch and metric dimensions, according to BS, ASTM and ISO standards. Systems are available in inch sizes up to 24", and metric sizes up to 630mm. Pipes, fittings and valves are available in grey, white and clear PVC-U.



### General properties of PVC-U

PVC-U is thermally stable in the temperature range 0°C to 60°C, however at low temperatures the impact strength of PVC-U 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. PVC-U is free from toxic metals thus ensuring that it is physiologically harmless for drinking water and foodstuffs applications.

Some important advantages of PVC-U 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 PVC-U (Average values)	
Property	Value
Density	1.38 g/cm <sup>3</sup>
Tensile Strength	55 N/mm <sup>2</sup>
Elongation at Break	> 30 %
Impact Strength	No crack kJ/m <sup>2</sup> (23°C)
Modulus of Elasticity (Young's Modulus)	3000 N/mm <sup>2</sup>
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 <sup>3</sup>
Surface Resistance	Approx. 10 <sup>13</sup> Ω
Thermal Conductivity	0.140 W/m · K
Flammability	V-0 UL94
Colour	7011 Dark Grey RAL

### Characteristics

#### Chemical resistance

PVC-U has excellent chemical resistance to common industrial chemicals such as acids, bases and salt solutions. Resistance to sodium hypochlorite solutions is also very good. PVC-U is not resistant to aromatic and chlorinated hydrocarbons, solvents, esters and ketones. The chemical resistance should be checked with our technical department for applications involving varnish, oils or fats, and PVC-U is not recommended for use with compressed air or gases.

#### Chemical resistance of solvent cement welded joints

The chemical resistance of the joints in a solvent welded piping system are the same as the material itself. However, PVC-U solvent welded joints in systems handling the following chemicals can be degraded and require the use of Weld On 724 solvent cement to ensure chemical compatibility:

Hydrochloric Acid 25%+ concentration  
 Nitric Acid 20%+ concentration  
 Sulphuric Acid 70%+ concentration  
 Hydrofluoric Acid in any concentration

#### Weathering resistance

With the use of additives such as ultraviolet absorbers, PVC-U systems display excellent weathering resistance to the long-term effects of sunlight, wind and rain. Over time, grey PVC-U will lose some of its colour because of exposure to UV light, and it will have slightly reduced impact strength. In extreme cases, the use of insulation or an application of a UV absorbent coating such as AGRU Coat, or the use of a water or latex based paint will help to minimise the effects of solar radiation. Solvent based paints should not be used on PVC-U piping. For outdoor installations, or where the aesthetic appearance of the piping system is important, a fully matched system of UV stabilised white PVC pipes and fittings is also available.

#### Electrical characteristics

PVC-U is non-conductive, therefore systems will remain free from electrolytic corrosion. Precautions should be taken to avoid static discharge should any part of a PVC-U piping system pass through an area where explosive gases may be present.

#### Physiological characteristics

PVC-U piping systems from IPS are free from lead, cadmium or other poisonous heavy metals. They are suitable for use in contact with cold potable water, and are WRAS listed for this application.

## Pressure ratings for pvc-u systems

### Maximum continuous pressure ratings

Pipes, fittings and valves are designed to operate continuously for 50 years at their maximum rated pressure at 20°C as follows, unless otherwise stated.

#### Inch sizes - ASTM Standard

PVC-U piping systems manufactured in accordance with ASTM requirements use a 'schedule' system of pressure ratings. Pipes are produced in three different 'schedules', 40, 80 & 120. Under this system the pressure rating of the pipe changes according to the pipe nominal bore size. Reference should be made to the pipe availability guide to verify the pressure ratings available for the sizes required.

Unlike pipe, there is presently no industry standard that specifies a working pressure for fittings. Moulded pipe fittings are manufactured to meet the minimum burst pressure requirements to that of schedule 40 and schedule 80 pipe. In common with the pipe, the pressure rating of the fittings decreases as the nominal pipe sizes increases. The advisory pressure ratings for ASTM fittings is as follows:-

Industrial Range		Size Range	Max. Operating Pressure
		1/4" to 12"	15 Bar*
		14" to 24"	10 Bar
	NPT Reinforced Threaded	1/4" to 4"	15 Bar
	NPT Unreinforced Threaded	1/4" to 4"	12 Bar
	* Reduced margin of safety for 10" and 12"		
Standard Range		Size Range	Max. Operating Pressure
		1/2" to 11/2"	15 Bar
		2" to 6"	12 Bar
		8"	9 Bar
		10" & 12"	8 Bar
	NPT Reinforced Threaded	1/4" to 4"	12 Bar
	NPT Unreinforced Threaded	1/2" to 4"	10 Bar

#### Inch sizes - European Standard

PVC-U pipes according to BS/EN 1452 (formerly BS 3505/6) and PVC-U fittings according to BS 4346 use the 'class' system of pressure rating their components. Regardless of size, pipes and fittings are rated for use at a maximum working pressure according to the 'class'. Care must be taken to ensure that the integrity of the system is not compromised through the incorrect match of pipes and fittings from different pressure 'classes'. The pressure ratings of inch sized PVC-U pipes and fittings according to the European standard is as follows:-

Pipe	Class	Size Range	Max. Operating Pressure
	PN9 (Class C)	2" to 12"	9 Bar
	PN12 (Class D)	1 1/4" to 6"	12 Bar
	PN15 (Class E)	3/8" to 6"	15 Bar
	Class T	1/2" to 2"	12 Bar
	PN10*	2 1/2" and 5"	10 Bar
	* 2 1/2" and 5" ABS pipes are manufactured to DIN 8062		
Fittings	Type	Size Range	Max. Operating Pressure
	Solvent Socket	10" to 12"	6 Bar
	Solvent Socket	8" to 12"	9 Bar
	Solvent Socket	3/8" to 6"	15 Bar (3" & 4" socket unions 9 Bar)
	BSP Threaded	3/8" to 4"	12 Bar (3" & 4" barrel nipples 9 Bar)
	PN10*	2 1/2" and 5"	10 Bar
	* 2 1/2" and 5" ABS fittings are manufactured to DIN 8063		

#### Metric sizes

The pressure ratings for PVC-U pipes according to EN 1452 or DIN 8062 and PVC-U fittings according to DIN 8063 are defined by the 'nominal pressure' method, whereby pipes, fittings and valves are grouped together according to a single nominal pressure rating. The PN rating is the maximum permitted operational pressure in bars calculated at 20°C, for example PN6 indicates a maximum working pressure of 6 bars. Reference should be made to the pipe availability guide to verify the pressure ratings available for the pipe sizes required. The pressure ratings of metric sized PVC-U fittings is as follows:-

Industrial Range	Size Range	Max. Operating Pressure
	10mm to 160mm	16 Bar
	200mm to 450mm	10 Bar
	500mm	6 Bar
Standard Range	Size Range	Max. Operating Pressure
	20mm to 225mm	10 Bar
	250mm to 400mm	6 Bar



# solvent cement welding of pvc-u

## Making a solvent welded joint - joint preparation

- ① Bring the pipes, fittings and solvent cements to the same temperature condition. Ensure that the items to be joined are clean and dry prior to use. Inspect the components for any signs of damage or irregularities. Do not use items that appear not to be correct.
- ② Cut the pipe ends squarely using tool suitable for plastic pipe. A wheel-type cutter is ideal. If a saw is used, a mitre box is recommended to ensure a square cut. Power saws may be used with care.
- ③ Using a chamfering tool cut a 10° to 15° chamfer on the outside of the pipe. This will help ease the pipe into the fitting and minimise the risk of cement being wiped from the fitting during assembly.
- ④ Remove the internal burr from the pipe, and clean up any cutting debris or swarf.
- ⑤ Check the dry fit by entering the pipe into the fitting. The pipe should enter the socket of the fitting to between  $\frac{1}{3}$  to  $\frac{3}{4}$  of its depth. This is regarded as a good "interference fit". If the pipe bottoms in the fitting with little interference, extra solvent cement should be used during assembly.
- ⑥ Measure the insertion depth of the socket and mark it on the pipe end. This makes it possible to verify later that the pipe has completely "bottomed out" in the fitting.
- ⑦ Open cans of cleaner, primer and cement ready for use and loosely replace lids to minimise the evaporation of the solvents. Check that the products are in good condition and not "gelled". Cements that are gelled must not be used. Never thin cements.
- ⑧ If needed, remove dirt with C-65 cleaner applied using a clean, lint-free cloth or paper towel.
- ⑨ Using a natural bristle brush or an applicator, apply P70 primer to the inside of the fitting socket then to the outside of the pipe, then apply a further coat to the fitting socket. The primer should be worked into the surfaces of the material. Avoid 'puddling' the primer in the fitting socket. Do not apply with a rag.
- ⑩ **While the primer is still wet**, apply the solvent cement using a natural bristle brush of the correct diameter, or a correctly sized applicator. The solvent cement coating on the pipe end should be liberally yet evenly applied to a distance equal to the depth of the fitting socket. A medium even coat should be made on the fitting socket surface. For diameters 4" (100mm) and above, or if the fit was loose, a second coat should be applied to the pipe.
- ⑪ **While both surfaces are still wet**, insert the pipe into the fitting until the pipe bottoms out fully in the socket. Check that alignment is correct. Hold the joint to prevent pull out for around 20 to 30 seconds (larger sizes may require more time). A bead of solvent cement should be evident around the pipe and fitting juncture. If the bead is not continuous it may indicate that insufficient solvent cement was applied. If this is the case the joint must be cut out, discarded and begun again with new product. Excess solvent cement should be removed from the mouth of the socket using a clean, dry cloth. Replace lids on cleaner, primer and cement cans to prevent the solvent from evaporating.
- ⑫ Handle the newly assembled joint with care until the initial set time has elapsed (see set and cure times table). Following the initial set period the assembly can be handled carefully, avoiding stresses on the joint. **All solvent cemented joints must be allowed to cure fully prior to pressure testing.**



Chamfering the pipe



Measuring the insertion depth



Marking the pipe end



Applying the primer to the pipe



Brush applying cement to the fitting



Brush applying cement to the pipe



Assembly



Wiping away excess cement

# solvent cement welding of pvc-u

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## Set and cure times

The initial set between the pipe and the fitting takes place in a matter of minutes, and joints can therefore safely be handled in a very short time. However, the joint needs to cure before it can be used as part of a pressurised assembly. The time taken to achieve this can depend upon a number of factors, including the tightness of fit as well as the ambient temperature and humidity. In general terms, joints will cure faster on tighter fitting assemblies in warmer, drier conditions, whereas looser fit joints made in cooler and/or humid conditions will cure slower.

As a general guide it is recommended that (wherever possible) joints be left for 24 hours to cure before pressure is applied. However, where this is not possible, consideration may be given to the above factors before determining when joints are put into service. Given average conditions and a working temperature not exceeding 20°C, a safe guide is to allow a cure time of not less than 1 hour for each bar of working pressure for pipe sizes up to 4" (100mm), and 1½ hours for each bar of working pressure for larger sizes.

## Large diameter jointing

Solvent cement jointing on pipe sizes 6" (DN 150mm) and larger is a two-person operation. To ensure that primers and solvent cements are applied at the correct speed they should be simultaneously applied to both pipe and fitting. Applying a thorough coating of cement is critical at these sizes both to ensure a good weld and to ease the pipe into the fitting.

For sizes 10" and larger it is recommended to use a ratchet driven pipe puller to ensure that the pipe fully penetrates the fitting. These tools may be hired if required.

## One-step cements

Specially formulated PVC-U solvent cements are available to provide solutions to specific applications or to solve installation difficulties. Examples include transition cements to make joints between flexible and rigid PVC, and Wet 'R Dry, a product designed to make solvent welded joints in wet conditions and/or where quick pressurisation of the system is required.

One-step cements do not require the use of a primer in the welding process and generally work best on pipe sizes up to 3" (DN 65). In all cases, strictly follow the instructions supplied with the product.

## Chemical resistance of solvent welded joints - Important Note

A well-made solvent cement welded joint will provide excellent chemical resistance characteristics, in the same way as that of the parent piping material. However solvent welded joints in systems handling the following chemicals can be degraded and require the use of Weld-On 724 solvent cement to ensure chemical compatibility:-

Hydrochloric Acid 25%+ concentration  
Nitric Acid 20%+ concentration  
Sulphuric Acid 70%+ concentration  
Hydrofluoric Acid all concentrations

## Solvent welding of dissimilar materials

As a general guide, solvent welded joints between dissimilar materials are not recommended. Where possible, a mechanical transition joint should be used, such as a union, flange or threaded connection.

If a solvent welded joint is unavoidable, it may (depending upon the conditions) be possible to make a reliable joint provided that a suitable solvent cement is used:

Materials To Be Joined	Recommended Solvent Cement
PVC-U to PVC-C	Weld-On 724
PVC-U to ABS	Weld-On 719

**Please note that in all cases we recommend contact with our technical department who will be able to provide assistance with specific applications and on recommended jointing methods.**



# inch sizes - BS EN Standard

## Grey Pipe BS EN 1452

Plain Ended - 6 Metre Lengths



Size	PN9 (Class C)		PN12 (Class D)		PN15 (Class E)	
	Code	Price/m	Code	Price/m	Code	Price/m
½	-		-		PVC005PE15	4.67
¾	-		-		PVC007PE15	5.97
1	-		-		PVC010PE15	9.04
1¼	-		-		PVC012PE15	13.12
1½	-		PVC015PE12	14.48	PVC015PE15	17.77
2	PVC020PE9	19.11	PVC020PE12	22.17	PVC020PE15	26.34
2½/75	PVC075PE10*	29.81	-		PVC075PE16**	45.19
3	PVC030PE9	33.13	-		PVC030PE15	48.25
4	PVC040PE9	52.20	-		PVC040PE15	74.98
5/140	PVC140PE10*	94.48	-		-	-
6	PVC060PE9	113.20	-		PVC060PE15	168.88
8	PVC080PE9	181.58	-		-	-
10	PVC100PE9	260.23	-		-	-
12	PVC120PE9	381.00	-		-	-

\* Pressure rating PN10

\*\* Pressure rating PN16

Please note that a transportation surcharge may be applied on pipe diameters 10" or larger

- please enquire for details.

2½" and 5" pipe may be supplied in 5mtr lengths, check availability.



### Pipe Standards

BS EN 1452 has replaced BS 3505.





# inch sizes - ASTM Standard

## Grey Pipe ASTM

Plain Ended - 3 & 6 Metre Lengths

Schedule 40			Schedule 80		
Size	Code	Price/m	Code	Price/m	
1/8	400-001G		800-001	7.85	
1/4	400-002G		800-002	11.00	
3/8	400-003G		800-003	15.18	
1/2	400-005G		800-005	7.49	
3/4	400-007G		800-007	10.13	
1	400-010G		800-010	14.82	
1 1/4	400-012G		800-012	20.42	
1 1/2	400-015G		800-015	24.39	
2	400-020G		800-020	33.87	
2 1/2	400-025G	Price & availability on request	800-025	54.16	
3	400-030G		800-030	69.09	
4	400-040G		800-040	101.00	
5	400-050G		800-050	147.18	
6	400-060G		800-060	192.68	
8	400-080G		800-080	292.34	
10	400-100G		800-100	441.86	
12	400-120G		800-120	606.30	
14	400-140G		800-140	784.03	
16	400-160G		800-160	1227.53	
18	400-180G		800-180	1536.49	
20	400-200G		800-200	1936.85	
24	400-240G		800-240	2744.09	

## White Pipe ASTM

Plain Ended - 3 & 6 Metre Lengths

Schedule 40			Schedule 80		
Size	Code	Price/m	Code	Price/m	
1/8	-		-		
1/4	-		-		
3/8	-		-		
1/2	-		400-005	4.21	
3/4	-		400-007	5.50	
1	260-010	4.21	400-010	8.10	
1 1/4	260-012	5.66	400-012	10.89	
1 1/2	260-015	7.12	400-015	12.81	
2	260-020	10.89	400-020	17.15	
2 1/2	260-025	17.02	400-025	29.31	
3	260-030	23.02	400-030	35.34	
4	260-040	37.61	400-040	50.15	
5	260-050	62.17	400-050	74.15	
6	260-060	80.59	400-060	88.40	
8	260-080	136.63	400-080	132.78	
10	260-100	215.98	400-100	191.36	
12	260-120	304.02	400-120	252.89	
14	260-140	464.67	400-140	319.59	
16	260-160	605.55	400-160	417.74	
18	260-180	769.03	400-180	647.63	
20	260-200	948.73	400-200	760.93	
24	260-240	1368.07	400-240	1058.83	

Please note that a transportation surcharge may be applied on pipe diameters 10" or larger - please enquire for details.

## Pipework Support

PVC-U pipework requires more support than for metallic systems. As working temperature increases, the distance between supports is reduced. At 60°, continuous support is required.

### Support Centres/m

Pipe Size	20°C	40°C
3/8"	0.7	0.6
1/2"	0.8	0.7
3/4"	0.9	0.7
1"	1.0	0.8
1 1/4"	1.1	0.9
1 1/2"	1.2	1.0
2"	1.3	1.1
3"	1.6	1.3
4"	1.8	1.5
6"	2.2	1.8
8"	2.5	2.0
10"	2.8	2.3
12"	3.0	2.5
14"	3.2	2.6
16"	3.4	2.8

## Temperature De-Rating Factors

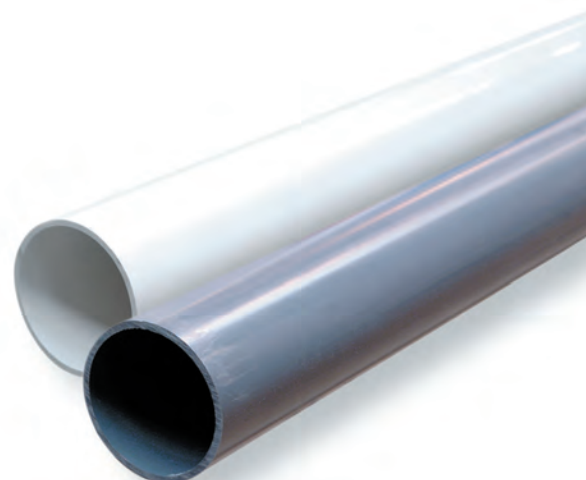
Pressure ratings for PVC-U pipework systems are always quoted at 20°C. As working temperature increases, the maximum working pressure decreases by the factor indicated.

Working Temperature (°C)	Pressure De-Rating Factor
20	1.00
30	0.80
40	0.58
50	0.39
60	0.22



### Pipe Availability

We typically hold over **200,000 metres of pipe** in stock for immediate despatch



# pvc-u pipe availability: inch sizes

		ASTM D 2241				ASTM D 1785			BS EN 1452 - 1		
Class Colour		SDR 41 White	SDR 26 White	SDR 21 White	SDR 13.5 White	Sch 40 Wh&Grey	Sch 80 Grey	Sch 120 Grey	PN9 Grey	PN12 Grey	PN15 Grey
1/8"	O.D. (mm)					10.3	10.3				
	Wall (mm)					1.7	2.4				
	Max WP (bar)					55.5	84.5				
	Weight/m (kg)					0.1	0.1				
1/4"	O.D. (mm)					13.7	13.7				
	Wall (mm)					2.2	3.0				
	Max WP (bar)					53.8	77.9				
	Weight/m (kg)					0.1	0.2				
3/8"	O.D. (mm)					17.1	17.1				17.1
	Wall (mm)					2.3	3.2				1.5
	Max WP (bar)					42.8	63.5				15.0
	Weight/m (kg)					0.2	0.2				0.1
1/2"	O.D. (mm)				21.3	21.3	21.3	21.3			21.3
	Wall (mm)				1.6	2.8	3.7	4.3			1.7
	Max WP (bar)				21.7	41.4	58.6	70.0			15.0
	Weight/m (kg)				0.2	0.2	0.3	0.3			0.2
3/4"	O.D. (mm)				26.7	26.7	26.7	26.7			26.7
	Wall (mm)				1.5	2.9	3.9	4.3			1.9
	Max WP (bar)				13.8	33.1	47.6	53.3			15.0
	Weight/m (kg)				0.2	0.3	0.4	0.4			0.2
1"	O.D. (mm)		33.4	33.4		33.4	33.4	33.4			33.4
	Wall (mm)		1.5	1.6		3.4	4.5	5.1			2.2
	Max WP (bar)		11.0	13.8		31.0	43.5	49.5			15.0
	Weight/m (kg)		0.3	0.3		0.5	0.6	0.7			0.3
1 1/4"	O.D. (mm)		42.2	42.2		42.2	42.2	42.2		42.2	42.2
	Wall (mm)		1.6	2.0		3.6	4.9	5.5		2.2	2.7
	Max WP (bar)		11.0	13.8		25.5	35.9	41.0		12.0	15.0
	Weight/m (kg)		0.3	0.4		0.6	0.8	0.9		0.4	0.5
1 1/2"	O.D. (mm)		48.3	48.3		48.3	48.3	48.3		48.3	48.3
	Wall (mm)		1.9	2.3		3.7	5.1	5.7		2.5	3.1
	Max WP (bar)		11.0	13.8		22.8	32.4	37.0		12.0	15.0
	Weight/m (kg)		0.4	0.5		0.8	1.0	1.1		0.5	0.7
2"	O.D. (mm)		60.3	60.3		60.3	60.3	60.3	60.3	60.3	60.3
	Wall (mm)		2.3	2.9		3.9	5.5	6.4	2.5	3.1	3.9
	Max WP (bar)		11.0	13.8		19.3	27.6	32.5	9.0	12.0	15.0
	Weight/m (kg)		0.6	0.8		1.0	1.4	1.6	0.7	0.8	1.0
2 1/2"	O.D. (mm)		73.0	73.0		73.0	73.0	73.0			
	Wall (mm)		2.8	3.5		5.2	7.0	7.6			
	Max WP (bar)		11.0	13.8		20.7	29.0	32.1			
	Weight/m (kg)		0.9	1.1		1.6	2.1	2.3			
3"	O.D. (mm)		88.9	88.9		88.9	88.9	88.9	88.9	88.9	88.9
	Wall (mm)		3.4	4.2		5.5	7.6	8.9	3.5	4.6	5.7
	Max WP (bar)		11.0	13.8		17.9	25.5	30.6	9.0	12.0	15.0
	Weight/m (kg)		1.4	1.7		2.1	2.8	3.3	1.4	1.8	2.2
3 1/2"	O.D. (mm)		101.6	101.6		101.6	101.6				
	Wall (mm)		3.9	4.8		5.7	8.1				
	Max WP (bar)		11.0	13.8		16.6	24.1				
	Weight/m (kg)		1.8	2.2		2.5	3.5				
4"	O.D. (mm)		114.3	114.3		114.3	114.3	114.3	114.3	114.3	114.3
	Wall (mm)		4.4	5.4		6.0	8.6	11.1	4.5	6.0	7.3
	Max WP (bar)		11.0	13.8		15.2	22.1	29.7	9.0	12.0	15.0
	Weight/m (kg)		2.2	2.7		3.0	4.2	5.3	2.3	3.1	3.7
5"	O.D. (mm)		141.3	141.3		141.3	141.3				
	Wall (mm)		5.4	6.7		6.6	9.5				
	Max WP (bar)		11.0	13.8		13.1	20.0				
	Weight/m (kg)		3.4	4.2		4.1	5.8				
6"	O.D. (mm)		168.3	168.3		168.3	168.3	168.3	168.3	168.3	168.3
	Wall (mm)		6.5	8.0		7.1	11.0	14.3	6.6	8.8	10.8
	Max WP (bar)		11.0	13.8		12.4	19.3	25.6	9.0	12.0	15.0
	Weight/m (kg)		4.8	5.9		5.3	7.9	10.1	5.0	6.6	8.0
8"	O.D. (mm)		219.1	219.1		219.1	219.1		219.1	219.1	219.1
	Wall (mm)		8.4	10.4		8.2	12.7		7.8	10.3	12.6
	Max WP (bar)		11.0	13.8		11.0	16.6		9.0	12.0	15.0
	Weight/m (kg)		8.2	10.0		7.9	12.0		7.7	10.1	12.2
10"	O.D. (mm)		273.0	273.0		273.0	273.0		273.0		
	Wall (mm)		10.5	13.0		9.3	15.1		9.7		
	Max WP (bar)		11.0	13.8		9.7	15.9		9.0		
	Weight/m (kg)		12.7	15.5		11.2	17.8		12.0		
12"	O.D. (mm)		323.9			323.9	323.9		323.9		
	Wall (mm)		12.5			10.3	17.5		11.5		
	Max WP (bar)		11.0			9.0	15.9		9.0		
	Weight/m (kg)		17.8			14.8	24.5		16.9		
14"	O.D. (mm)		355.6			355.6	355.6				
	Wall (mm)		13.7			11.1	19.1				
	Max WP (bar)		11.0			9.0	15.2				
	Weight/m (kg)		21.5			17.6	29.6				
16"	O.D. (mm)		406.4			406.4	406.4				
	Wall (mm)		15.6			12.7	21.4				
	Max WP (bar)		11.0			9.0	15.2				
	Weight/m (kg)		28.1			23.0	37.9				
18"	O.D. (mm)	457.2	457.2			457.2	457.2				
	Wall (mm)	11.2	17.6			14.3	23.8				
	Max WP (bar)	6.9	11.0			8.97	15.2				
	Weight/m (kg)	23.5	35.6			31.20	50.80				
20"	O.D. (mm)	508.0	508.0			508.0	508.0				
	Wall (mm)	12.4	19.5			15.1	26.2				
	Max WP (bar)	6.9	11.0			8.3	15.2				
	Weight/m (kg)	28.2	44.0			36.6	62.20				
24"	O.D. (mm)	609.6	609.6			609.6	609.6				
	Wall (mm)	14.9	23.4			17.5	30.90				
	Max WP (bar)	6.9	11.0			8.3	14.5				
	Weight/m (kg)	40.76	63.4			51.0	88.24				



# Standard & industrial pipe fittings



All WELD-ON cements, primers and cleaning fluids are now LOW VOC

Covering a huge range of sizes - from 1/4" to 16" (up to 24" on special request), in a choice of pressure ratings from 6 bars to 15 bars, IPS provide a multitude of fitting types to make even the most complicated installation easy.

Inch sized fittings are dimensionally matched for use with inch size pipes to BS EN1452/2, or ASTM D1785 and D2241 and are pressure rated for continuous use up to 15 bars in accordance with the test requirements of BS EN1452/1.



## WELD-ON 719 Cement

Size	Code	Price
473ml tin	719-300	35.02



## WELD-ON 724 Cement\*

Size	Code	Price
500ml tin	724-301	43.02

\* For chemical applications see page 22 for details



## WELD-ON WET 'R DRY 725

Size	Code	Price
473ml tin	725-300	33.42
240ml tin	725-400	19.62



## P-70 Primer Low VOC

Size	Code	Price
Pint (473ml) tin	770-300	33.40



## Cleaning Fluid

Size	Code	Price
473ml	765-300	18.31

## How much Solvent Cement?

Estimate the number of joints per size, then use this table to calculate how much solvent cement to order.

inch dia	mm dia	joints per litre
1/4 - 1/2	10-20	160
3/4 - 1	25-30	120
1 1/4 - 2	40-63	80
2 1/2 - 3	75-90	60
4	110	40
5-6	140-160	24
8	200-225	12
10	250-280	4
12	315	2

Larger sizes on request.  
You will require approximately half as much cleaner and primer.

## Brushes

Size	Code	Price
4mm round	L151/4R	1.93
8mm round	L151/8R	2.71
25x10 flat	565/1	2.98
50x10 flat	565/2	6.83
75x10 flat	565/3	17.96

## What size Brush?

It is important to use the correct size brush to apply solvent cement.

Pipe Size	Brush Size
1/4-1	8mm round
1 1/4-2	25 x 10mm flat
2 1/2-5	50 x 10mm flat
6-12	75 x 10mm flat

Special applicators are available for large size joints. Please enquire for details.



## Tee 90°



### Standard Range

Size	White		Price
	Code	Code	
1/4	-	-	
3/8	401-003	401-003G	4.23
1/2	401-005	401-005G	2.53
3/4	401-007	401-007G	2.69
1	401-010	401-010G	4.96
1 1/4	401-012	401-012G	7.66
1 1/2	401-015	401-015G	9.16
2	401-020	401-020G	13.37
2 1/2	-	-	
3	401-030	401-030G	49.09
4	401-040	401-040G	84.19
5	-	-	
6	401-060	401-060G	270.23
8	401-080	401-080G	584.02
10	401-100	401-100G	1266.90
12	401-120	401-120G	1889.32
14	401-140	3901-140	2437.64
16	3701-160	3901-160	3841.30
18	3701-180	3901-180	4148.31
20	3701-200	3901-200	5965.60
24	3701-240	3901-240	7156.17

### Industrial Range

Spears	
Code	Price
801-002	6.04
801-003	6.04
801-005	4.80
801-007	6.23
801-010	8.77
801-012	13.59
801-015	18.15
801-020	27.81
601-075	39.25
801-030	82.37
801-040	107.63
601-140	191.16
801-060	355.91
801-080	660.91
801-100	1715.48
801-120	2431.31
801-140	3644.70
801-160F	6616.50
801-180F	7956.62
801-200F	10607.56
801-240F	13789.50

### Industrial Range

Durapipe	
Code	Price
-	
-	
02.122.102	7.56
02.122.103	9.52
02.122.104	14.43
02.122.105	20.42
02.122.106	29.48
02.122.107	46.64
33.122.312	80.44
02.122.109	135.26
02.122.110	198.35
33.122.316	524.77
02.122.112	690.67
02.122.113	1080.98
02.122.114	2769.29
02.122.115	3992.79
-	
-	
-	
-	

## Reducing Tee 90°



Size	Code	Code	Price	Code	Price	Code	Price
3/8x1/2	401-053	-	4.41			-	
1/2x3/4	401-074	-	3.46			-	
1/2x1	401-075	-	6.23			-	
3/4x1/2x1/2	401-094	-	3.36			-	
3/4x1/2x3/4	401-095	-	3.66			-	
3/4x1/2	401-101	401-101G	2.67	801-101	9.37	-	
3/4x1	401-102	-	6.45			-	
1x1/2x1	401-122	-	6.56			-	
1x3/4x1/2	401-124	-	6.45			-	
1x3/4x3/4	401-125	-	6.45			-	
1x3/4x1	401-126	-	6.81			-	
1x1/2	401-130	401-130G	4.56	801-130	12.83	-	
1x3/4	401-131	401-131G	5.17	801-131	13.17	-	
1x1 1/4	401-132	-	9.00			-	
1x1 1/2	401-133	-	11.36			-	
1x2	401-134	-	14.44			-	
1 1/4x1x1/2	401-156	-	8.47			-	
1 1/4x1x3/4	401-157	-	9.00	801-157	20.66	-	
1 1/4x1x1	401-158	-	9.68	801-158	21.42	-	
1 1/4x1x1 1/4	-	-		801-159	21.82	-	
1 1/4x1/2	401-166	401-166G	6.96	801-166*	36.63	-	
1 1/4x3/4	401-167	401-167G	7.32	801-167	36.63	-	
1 1/4x1	401-168	401-168G	7.66	801-168	26.76	-	
1 1/4x1 1/2	401-169	-	12.48			-	
1 1/4x2	401-170	-	16.08			-	
1 1/2x1 1/4x1/2	401-199	-	10.63			-	
1 1/2x1 1/4x3/4	401-201	-	11.20			-	
1 1/2x1 1/4x1	401-202	-	11.50	801-202	28.96	-	
1 1/2x1/2	401-209	401-209G	10.63	801-209	36.63	-	
1 1/2x3/4	401-210	401-210G	10.98	801-210	28.71	-	
1 1/2x1	401-211	401-211G	11.20	801-211	27.81	-	
1 1/2x1 1/4	401-212	401-212G	12.26	801-212	28.96	-	
1 1/2x2	401-213	-	16.85			-	
2x1 1/2x3/4	401-238	-	15.20			-	
2x1 1/2x1	401-239	-	15.95			-	
2x1 1/2x1 1/2	401-241	-	15.95			-	
2x1/2	401-247	401-247G	11.50	801-247	36.05	-	
2x3/4	401-248	401-248G	11.87	801-248	36.27	-	
2x1	401-249	401-249G	12.14	801-249	35.15	-	
2x1 1/4	401-250	401-250G	12.26	801-250*	58.25	-	
2x1 1/2	401-251	401-251G	13.77	801-251	38.11	-	
3x1/2	401-333		42.92	801-333*	80.23	-	

\* Branches bushed



### Fabricated Fittings

Fittings with codes ending with F or starting 37 or 39 are fabricated.

## Reducing Tee 90°

continued



Larger sizes on request

Standard Range				Industrial Range		Industrial Range	
	White	Grey		Spears		Durapipe	
Size	Code	Code	Price	Code	Price	Code	Price
3x¾	401-334	-	43.96	801-334*	87.55	-	-
3x1	401-335	-	44.30	801-335	72.48	-	-
3x1¼	401-336	-	45.80	801-336*	80.24	-	-
3x1½	401-337	401-337G	46.50	801-337	80.24	-	-
3x2	401-338	401-338G	48.34	801-338	72.48	-	-
3x4	401-342	-	80.97	-	-	-	-
4x¾	401-416	-	70.33	-	-	-	-
4x1	401-417	-	71.45	801-417*	143.31	-	-
4x1¼	401-418	-	71.79	801-418*	143.31	-	-
4x1½	401-419	-	73.96	801-419	143.31	-	-
4x2	401-420	401-420G	74.34	801-420	113.19	-	-
4x3	401-422	401-422G	82.36	801-422	121.56	-	-
6x2	401-528	401-528G*	231.85	801-528	422.96	-	-
6x3	401-530	-	238.41	801-530	244.61	-	-
6x4	401-532	401-532G	245.34	801-532	294.79	-	-
8x2	401-578	401-578G	552.86	801-578*	827.50	-	-
8x3	401-580	401-580G	518.17	801-580*	849.51	-	-
8x4	401-582	-	525.45	801-582*	865.97	-	-
8x6	401-585	-	549.20	801-585*	699.40	-	-
10x2	3701-621	3901-621	379.13	801-621F	1461.18	-	-
10x3	3701-623	3901-623	385.38	801-623*	2467.91	-	-
10x4	3701-624	3901-624	396.38	801-624	2453.27	-	-
10x6	3701-626	3901-636	484.07	801-626	1874.79	-	-
10x8	3701-628	3901-628	647.04	801-628*	2790.12	-	-
12x2	3701-661	3901-661	506.05	801-661F	1640.38	-	-
12x3	3701-663	3901-663	513.86	801-663F	1676.99	-	-
12x4	3701-664	3901-664	526.43	801-664*	3847.90	-	-
12x6	3701-666	3901-666	610.97	801-666*	4199.84	-	-
12x8	3701-668	3901-668	730.02	801-668	3555.38	-	-
12x10	3701-670	3901-670	831.89	801-670*	4683.14	-	-
14x8	-	-	-	801-698*	6225.24	-	-
14x10	-	-	-	801-700*	7330.95	-	-
14x12	401-702	-	2331.82	801-702*	8316.94	-	-

\* Branches bushed

## Street Tee 90°



Size	Code	Code	Price	Code	Price	Code	Price
½	444-005	-	7.53	844-005	10.43	-	-
¾	444-007	-	9.68	844-007	11.37	-	-
1	444-010	-	13.02	844-010	14.85	-	-
1¼	444-012	-	20.89	844-012	37.33	-	-
1½	444-015	-	28.06	844-015	38.81	-	-
2	444-020	-	47.60	844-020	49.80	-	-



### Pressure Ratings

Spears PVC-U pipe fittings are suitable for use at the following working pressures:

Standard Range:	Size ½" - 1½"	15 bars	Industrial Range:	Size ¼" - 12"	15 bars*
	Size 2" - 6"	12 bars		Size 14" - 24"	10 bars
	Size 8"	9 bars		*Reduced margin of safety for 10" and 12"	
	Size 10" - 24"	6 bars			

Durapipe PVC-U pipe fittings are suitable for use at the following working pressures:

	Size ¾" - 6"	15 bars
	Size 8" - 12"	9 bars

## Cross



Larger sizes on request

Standard Range				Industrial Range		Industrial Range	
Size	White	Grey	Price	Spears		Durapipe	
	Code	Code		Code	Price	Code	Price
¼	-	-		820-002	28.07	-	
½	420-005	420-005G	4.78	820-005	29.21	-	
¾	420-007	420-007G	8.05	820-007	30.77	-	
1	420-010	420-010G	10.82	820-010	37.33	-	
1¼	420-012	420-012G	15.95	820-012	45.40	-	
1½	420-015	420-015G	18.84	820-015	49.80	-	
2	420-020	420-020G	28.37	820-020	64.08	-	
2½/75	-	520-075	35.14	-		-	
3	420-030	420-030G	69.97	820-030	114.22	-	
4	420-040	420-040G	104.69	820-040	198.47	-	
6	420-060F	-	1285.18	820-060F	1219.33	-	
8	420-080F	-	1702.63	820-080F	1827.13	-	
10	420-100F	-	2163.97	820-100F	2932.93	-	
12	420-120F	-	3108.73	820-120F	4635.56	-	

## Tee 45°



Larger sizes on request

Size	Code	Code	Price	Code	Price	Code	Price
½	475-005	-	13.95	875-005	15.19	-	
¾	475-007	-	18.68	875-007	16.65	-	
1	475-010	-	23.58	875-010	25.66	-	
1¼	475-012	-	30.01	875-012	31.14	-	
1½	475-015	-	35.88	875-015	39.55	-	
2	475-020	-	61.93	875-020	67.40	-	
2½	-	-		602930	65.19	-	
3	475-030	-	101.47	875-030	178.31	-	
4	475-040	-	163.34	875-040	274.24	-	
5	-	-		-		-	
6	475-060	-	305.40	875-060	417.44	-	
8	475-080	-	1270.58	875-080	1030.46	-	
10	475-100F	475-100G*	2090.76	875-100F	2687.58	-	
12	475-120F	475-120G*	2826.78	875-120F	3606.63	-	

\*Maximum pressure 6 Bar

## Reducing Tee 45°



Larger sizes on request

Size	Code	Code	Price	Code	Price	Code	Price
6x6x4	475-532	-	384.46	875-532	523.61	-	
8x8x2	475-578F	-	1113.13	875-578	1221.17	-	
8x8x4	475-582F	-	1272.41	875-582	1266.89	-	
8x8x6	475-585F	-	1327.36	875-585	1349.28	-	
10x10x2	475-621F	-	1418.85	875-621F	1623.95	-	
10x10x4	475-624F	-	1576.34	875-624F	1761.24	-	
10x10x8	475-628F	-	1933.31	875-628	2552.01	-	
12x12x2	475-661F	-	1717.32	875-661F	1904.00	-	
12x12x4	475-664F	-	1819.82	875-664F	2409.30	-	
12x12x6	475-666F	-	2094.42	875-666F	2815.77	-	
12x12x8	475-668F	-	2431.32	875-668F	3086.70	-	
12x12x10	475-670F	-	2797.43	875-670F	3365.00	-	

## Need advice?

Our expert team are here to help.  
Call our freephone:

**0800 975 79 71**

Or from outside of the UK:  
+44 191 521 3111





## Elbow 90°



Standard Range				Industrial Range		Industrial Range	
White		Grey		Spears		Durapipe	
Size	Code	Code	Price	Code	Price	Code	Price
¼	-	-	-	806-002	3.52	-	-
⅜	406-003	406-003G	5.53	806-003	3.83	-	-
½	406-005	406-005G	1.49	806-005	4.10	02.115.102	6.57
¾	406-007	406-007G	2.04	806-007	5.18	02.115.103	7.84
1	406-010	406-010G	3.56	806-010	6.97	02.115.104	10.94
1¼	406-012	406-012G	6.03	806-012	11.19	02.115.105	19.08
1½	406-015	406-015G	6.96	806-015	14.67	02.115.106	24.63
2	406-020	406-020G	10.41	806-020	17.39	02.115.107	36.44
2½	-	-	-	606-075	37.11	33.115.312	68.75
3	406-030	406-030G	34.27	806-030	50.18	02.115.109	105.05
4	406-040	406-040G	60.12	806-040	80.96	02.115.110	158.17
5	-	-	-	606-140	149.15	33.115.316	362.01
6	406-060	406-060G	163.34	806-060	248.63	02.115.112	626.35
8	406-080	406-080G	358.81	806-080	560.20	02.115.113	983.85
10	406-100	406-100G	889.81	806-100	1561.70	02.115.114	2584.29
12	406-120	406-120G	1382.26	806-120	2112.76	02.115.115	3455.63
14	406-140	3906-140	2431.32	806-140	2837.74	-	-
16	3706-160	3906-160	1516.44	806-160F	3712.82	-	-
18	3706-180	3906-180	2255.87	806-180F	5155.52	-	-
20	3706-200	3906-200	2534.74	806-200F	6466.33	-	-
24	3706-240	3906-240	3170.79	806-240F	10160.88	-	-

## Reducing Elbow 90°



Size	Code	Code	Price	Code	Price	Code	Price
¾x½	406-053	-	3.66	-	-	-	-
¾x½	406-101	406-101G	2.90	-	-	-	-
1x½	406-130	406-130G	4.41	-	-	-	-
1x¾	406-131	-	4.78	-	-	-	-
1¼x½	406-166	-	7.32	-	-	-	-
1¼x¾	406-167	-	7.32	-	-	-	-
1¼x1	406-168	-	8.47	-	-	-	-
1½x½	406-209	-	11.20	-	-	-	-
1½x1	406-211	-	12.48	-	-	-	-
2x1	406-249	-	14.67	-	-	-	-
2x1¼	406-250	-	14.67	-	-	-	-
2x1½	406-251	-	19.48	-	-	-	-

## Bend 90°



Size	Code	Code	Price	Code	Price	Code	Price
½	406-005S	-	8.27	806-005S	9.17	-	-
¾	406-007S	-	9.68	806-007S	12.25	-	-
1	406-010S	-	15.55	806-010S	19.76	-	-
1¼	406-012S	-	21.25	806-012S	26.36	-	-
1½	406-015S	-	23.58	806-015S	29.12	-	-
2	406-020S	-	28.96	806-020S	37.33	-	-

## Street Elbow 90°



Size	Code	Code	Price	Code	Price	Code	Price
½	409-005	409-005G	3.51	809-005	4.10	-	-
¾	409-007	409-007G	4.56	809-007	5.31	-	-
1	409-010	409-010G	7.32	809-010	8.77	-	-
1¼	409-012	409-012G	9.37	809-012	12.14	-	-
1½	409-015	409-015G	11.87	809-015	13.77	-	-
2	409-020	-	19.48	809-020	24.00	-	-
3	409-030	-	41.09	809-030	51.25	-	-
4	409-040	-	80.23	809-040	83.14	-	-
6	409-060	-	251.80	809-060	258.92	-	-
8	409-080	-	496.93	809-080	527.31	-	-
10	409-100	-	2179.51	809-100	2287.61	-	-
12	409-120	-	2779.32	809-120	2992.04	-	-

## Short Radius Bend 90°



Size	Code	Code	Price	Code	Price	Code	Price
½	-	-	-	806-005LSF	50.96	02.118.102	9.92
¾	-	-	-	806-007LSF	57.90	02.118.103	11.85
1	-	-	-	806-010LSF	65.19	02.118.104	16.56
1¼	-	-	-	806-012LSF	112.33	02.118.105	28.99
1½	-	-	-	806-015LSF	113.72	02.118.106	37.26
2	-	-	-	806-020LSF	126.58	02.118.107	55.16
3	406-030LSF	-	148.18	806-030LSF	234.31	02.118.109	159.05
4	406-040LSF	-	199.76	806-040LSF	272.70	02.118.110	239.48
6	406-060LSF	-	342.43	806-060LSF	451.61	-	-

## plain fittings inch sizes

2

### Long Radius Bend 90°

Spigot Ends



Standard Range				Industrial Range		Industrial Range	
Size	White	Grey	Price	Spears		Durapipe	
	Code	Code		Code	Price	Code	Price
3	-	-		-		02.309.109	292.84
4	-	-		-		02.309.110	591.47
6	-	-		-		02.309.112	1299.92

### Elbow 45°



Size	Code	Code	Price	Code	Price	Code	Price
1/4		-		817-002	8.63	-	
3/8		-		817-003	8.77	-	
1/2	417-005	417-005G	2.16	817-005	7.13	02.119.102	12.41
3/4	417-007	417-007G	3.19	817-007	8.63	02.119.103	13.23
1	417-010	417-010G	4.41	817-010	9.37	02.119.104	16.06
1 1/4	417-012	417-012G	6.03	817-012	14.67	02.119.105	22.97
1 1/2	417-015	417-015G	7.90	817-015	19.20	02.119.106	28.96
2	417-020	417-020G	10.41	817-020	25.44	02.119.107	40.73
2 1/2		-		617-075	32.45	33.119.312	63.96
3	417-030	417-030G	38.11	817-030	59.28	02.119.109	95.85
4	417-040	417-040G	65.21	817-040	124.16	02.119.110	196.94
5		-		617-140	123.55	33.119.316	334.13
6	417-060	417-060G	170.26	817-060	225.94	02.119.112	354.11
8	417-080	417-080G	377.15	817-080	470.51	02.119.113	887.40
10	417-100	-	624.35	817-100	1056.40	02.119.114	1736.83
12	417-120	-	1005.12	817-120	1422.53	02.119.115	2309.67
14	417-140	3917-140	1625.74	817-140	2061.47	-	
16	3717-160	3917-160	1242.34	817-160F	2574.10	-	
18	3717-180	3917-180	1433.48	817-180F	3214.87	-	
20	3717-200	3917-200	1958.21	817-200F	4419.53	-	
24	3717-240	3917-240	3355.61	817-240F	5763.36	-	

### Street Elbow 45°



Size	Code	Code	Price	Code	Price	Code	Price
1/2	427-005	-	2.77	827-005	7.13	-	
3/4	427-007	-	4.41	827-007	10.63	-	
1	427-010	-	5.81	827-010	16.08	-	
1 1/4	427-012	-	8.05	827-012	20.66	-	
1 1/2	427-015	-	9.16	827-015	27.30	-	
2	427-020	-	11.36	827-020	33.87	-	
3	427-030	-	55.63	827-030	84.97	-	
4	427-040	-	90.10	827-040	128.17	-	
6	427-060	-	144.76	827-060	161.48	-	
8	427-080	-	325.07	827-080	349.68	-	
10	427-100	-	1107.18	827-100	866.54	-	
12	427-120	-	1647.69	827-120	1288.51	-	

### Long Radius Bend 45°

Spigot Ends



Size	Code	Code	Price	Code	Price	Code	Price
1	-	-		-		02.310.104	40.73
1 1/2	-	-		-		02.310.106	69.53
2	-	-		-		02.310.107	113.61
3	-	-		-		02.310.109	242.89
4	-	-		-		02.310.110	472.63
6	-	-		-		02.310.112	1093.05

### Elbow 30°



Size	Code	Code	Price	Code	Price	Code	Price
2	415-020F	-	54.17	815-020F	61.93	-	
3	415-030F	-	71.07	815-030F	79.47	-	
4	415-040F	-	88.97	815-040F	108.05	-	
6	415-060F	-	150.51	815-060	315.61	-	
8	415-080F	-	260.36	815-080F	355.18	-	
10	415-100F	-	404.64	815-100F	622.49	-	
12	415-120F	-	648.12	815-120F	924.56	-	
14	415-140F	-	966.69	815-140F	1389.58	-	
16	415-160F	-	1352.94	815-160F	1863.78	-	
18	415-180F	-	1691.66	815-180F	2482.54	-	
20	415-200F	-	2006.61	815-200F	4203.52	-	
24	415-240F	-	4042.37	815-240F	5389.86	-	

## Elbow 22½°



Size	Standard Range		Price	Industrial Range		Industrial Range	
	White	Grey		Spears		Durapipe	
	Code	Code		Code	Price	Code	Price
½	416-005	-	2.74	816-005	8.55	-	
¾	416-007	-	4.35	816-007	10.97	-	
1	416-010	-	5.61	816-010	16.75	-	
1¼	416-012	-	7.65	816-012	26.49	-	
1½	416-015	-	9.95	816-015	37.01	-	
2	416-020	-	14.86	816-020	46.75	-	
3	416-030	-	50.60	816-030	52.49	-	
4	416-040	-	99.29	816-040	90.47	-	
6	416-060F	-	151.25	816-060	209.10	-	
8	416-080F	-	258.13	816-080	347.50	-	
10	416-100F	-	408.32	816-100F	626.10	-	
12	416-120F	-	635.31	816-120F	937.33	-	
14	416-140F	-	961.20	816-140F	1393.28	-	
16	416-160F	-	1318.18	816-160F	1918.67	-	
18	416-180F	-	1680.64	816-180F	2471.59	-	
20	416-200F	-	2098.09	816-200F	4203.52	-	
24	416-240F	-	4005.77	816-240F	5122.59	-	

## Street Elbow 22½°



Size	Code	Code	Price	Code	Price	Code	Price
½	-	-		842-005	8.72	-	
¾	-	-		842-007	11.46	-	
1	-	-		842-010	18.28	-	
1¼	-	-		842-012	23.21	-	
1½	-	-		842-015	26.89	-	
2	-	-		842-020	34.72	-	
3	-	-		842-030	100.76	-	
4	-	-		842-040	178.21	-	

## Long Radius Bend 22½°

Spigot Ends



Size	Code	Code	Price	Code	Price	Code	Price
1	-	-				02.311.104	56.78
1½	-	-				02.311.106	97.23
2	-	-				02.311.107	165.44
3	-	-				02.311.109	335.41
4	-	-				02.311.110	681.47
6	-	-				02.311.112	1513.29

## Elbow 15°



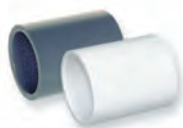
Size	Code	Code	Price	Code	Price	Code	Price
1½	418-015F	-	53.43	-		-	
2	418-020F	-	54.17	818-020F	61.93	-	
3	418-030F	-	71.79	818-030F	78.76	-	
4	418-040F	-	88.66	818-040F	105.11	-	
6	418-060F	-	148.64	818-060F	205.43	-	
8	418-080F	-	257.07	818-080F	347.88	-	
10	418-100F	-	397.28	818-100F	622.49	-	
12	418-120F	-	629.77	818-120F	920.89	-	
14	418-140F	-	959.38	818-140F	1374.92	-	
16	418-160F	-	1330.95	818-160F	1867.39	-	
18	418-180F	-	1655.06	818-180F	2434.99	-	
20	418-200F	-	1944.29	818-200F	4203.52	-	
24	418-240F	-	3976.47	818-240F	5389.86	-	

## Elbow 11¼°



Size	Code	Code	Price	Code	Price	Code	Price
1½	411-015F	-	39.49	-		-	
2	411-020	-	11.75	811-020	31.51	-	
3	411-030	-	42.66	811-030	76.56	-	
4	411-040	-	81.24	811-040	113.50	-	
6	411-060F	-	147.90	811-060F	241.65	-	
8	411-080F	-	259.97	811-080F	393.62	-	
10	411-100F	-	397.28	811-100F	613.36	-	
12	411-120F	-	627.99	811-120F	920.89	-	
14	411-140F	-	957.53	811-140F	1385.90	-	
16	411-160F	-	1310.90	811-160F	1863.78	-	
18	411-180F	-	1676.89	811-180F	2398.36	-	
20	411-200F	-	2057.82	811-200F	4203.52	-	
24	411-240F	-	3947.16	811-240F	5078.63	-	

## Socket



Size	Standard Range			Industrial Range		Industrial Range	
	White	Grey	Price	Spears	Price	Durapipe	Price
1/4	-	-	-	829-002	6.97	-	-
3/8	429-003	-	2.16	829-003	7.13	-	-
1/2	429-005	429-005G	1.02	829-005	3.19	02.100.102	4.93
3/4	429-007	429-007G	1.57	829-007	3.70	02.100.103	5.49
1	429-010	429-010G	2.61	829-010	4.10	02.100.104	6.37
1 1/4	429-012	429-012G	3.69	829-012	7.33	02.100.105	11.51
1 1/2	429-015	429-015G	4.22	829-015	7.90	02.100.106	13.45
2	429-020	429-020G	6.23	829-020	12.14	02.100.107	19.08
2 1/2	-	-	-	629-075	15.70	33.100.312	40.47
3	429-030	429-030G	19.20	829-030	46.50	02.100.109	72.98
4	429-040	429-040G	28.06	829-040	62.94	02.100.110	105.73
5	-	-	-	629-140	76.63	33.100.316	208.05
6	429-060	429-060G	85.68	829-060	153.43	02.100.112	265.22
8	429-080	429-080G	161.80	829-080	234.04	02.100.113	527.57
10	3729-100	3929-100	176.08	829-100	443.06	02.100.114	654.77
12	3729-120	3929-120	259.12	829-120	591.39	02.100.115	884.49
14	3729-140	3929-140	421.44	829-140	726.84	-	-
16	3729-160	3929-160	469.94	829-160F	1107.62	-	-
18	3729-180	3929-180	800.51	829-180F	1999.19	-	-
20	3729-200	3929-200	1397.43	829-200F	2559.50	-	-
24	3729-240	3929-240	1939.43	829-240F	3119.65	-	-

## Reducing Socket

Concentric



Larger sizes on request

Size	Code	Code	Price	Code	Price	Code	Price
3/4x1/2	429-101	429-101G	2.16	829-101	8.05	-	-
1x1/2	-	-	-	829-130	11.49	-	-
1x3/4	429-131	429-131G	3.66	829-131	11.86	-	-
1 1/4x1/2	-	-	-	829-166	23.48	-	-
1 1/4x3/4	-	-	-	829-167	23.48	-	-
1 1/4x1	429-168	429-168G	6.96	829-168	23.84	-	-
1 1/2x1/2	-	-	-	829-209	25.06	-	-
1 1/2x3/4	-	-	-	829-210	24.88	-	-
1 1/2x1	-	-	-	829-211	25.30	-	-
1 1/2x1 1/4	429-212	429-212G	7.66	829-212	26.00	-	-
2x1/2	-	-	-	829-247	29.12	-	-
2x3/4	-	-	-	829-248	29.23	-	-
2x1	-	-	-	829-249	29.12	-	-
2x1 1/4	-	-	-	829-250	29.50	-	-
2x1 1/2	429-251	429-251G	11.36	829-251	29.23	-	-
3x2	429-338	-	50.96	829-338	42.89	-	-
4x2	429-420	-	65.91	829-420	80.59	-	-
4x3	429-422	-	67.75	829-422	80.23	-	-
6x4	429-532	-	110.27	829-532	168.39	-	-
8x4	429-582F	-	287.80	829-582F	501.65	-	-
8x6	429-585F	-	287.80	829-585	483.28	-	-
10x4	429-624F	-	443.06	829-624F	787.27	-	-
10x6	429-626F	-	428.40	829-626F	649.94	-	-
10x8	429-628F	-	331.39	829-628F	373.50	-	-
12x4	429-664F	-	812.92	829-664F	1140.64	-	-
12x6	429-666F	-	756.16	829-666F	999.58	-	-
12x8	429-668F	-	735.98	829-668F	790.91	-	-
12x10	429-670F	-	483.29	829-670F	573.09	-	-

## Reducing Socket

Eccentric



Larger sizes on request

Size	Code	Code	Price	Code	Price	Code	Price
2x1	-	-	-	829-249FE*	80.23	-	-
3x1	-	-	-	829-335FE**	111.31	-	-
3x2	429-338FE*	-	78.74	829-338FE*	97.04	-	-
4x2	429-420FE**	-	103.28	829-420FE**	183.47	-	-
4x3	429-422FE*	-	98.10	829-422FE*	152.47	-	-
6x2	-	-	-	829-528FE***	327.36	-	-
6x3	-	-	-	829-530FE**	299.18	-	-
6x4	429-532FE*	-	111.31	829-532FE*	218.95	-	-
8x4	429-582FE**	-	242.39	829-582FE**	402.79	-	-
8x6	429-585FE*	-	192.61	829-585FE*	314.15	-	-
10x4	429-624FE**	-	551.09	829-624FE**	858.69	-	-
10x6	429-626FE*	-	466.83	829-626FE*	611.50	-	-
10x8	429-628FE*	-	448.56	829-628FE*	541.91	-	-
12x4	429-664FE***	-	448.56	829-664FE***	1092.96	-	-
12x6	429-666FE***	-	812.92	829-666FE***	975.84	-	-
12x8	429-668FE**	-	609.70	829-668FE**	823.87	-	-
12x10	429-670FE**	-	497.97	829-670FE*	567.57	-	-

Note: \*One Step Design, \*\*Two Step Design, \*\*\*Three Step Design



## Union

EPDM O-Ring



Standard Range				Industrial Range		Industrial Range	
Size	White	Grey	Price	Spears		Durapipe	
	Code	Code		Code	Price	Code	Price
¼	-	-		897-002	23.84	-	
⅜	-	-		897-003	24.00	-	
½	497-005	497-005G	12.14	8097-005	13.95	02.205.102	25.28
¾	497-007	497-007G	14.05	8097-007	18.68	02.205.103	28.94
1	497-010	497-010G	15.55	8097-010	22.09	02.205.104	37.48
1¼	497-012	497-012G	31.89	8097-012	30.77	02.205.105	46.64
1½	497-015	497-015G	37.73	8097-015	42.15	02.205.106	63.96
2	497-020	497-020G	50.96	8097-020	52.36	02.205.107	82.70
2½	-	-		697-075	95.14	33.205.312	212.36
3	497-030	-	125.59	8097-030	127.81	02.205.109	307.87
4	497-040	-	175.41	8097-040	183.47	02.205.110	416.81
6	-	-		8097-060	435.75	-	

## Union

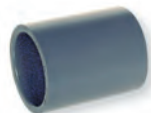
FPM O-Ring



Size	Code	Code	Price	Code	Price	Code	Price
¼	-	-		857-002	24.36	-	
⅜	-	-		857-003	24.36	-	
½	-	-		8057-005	14.05	02.204.102	26.74
¾	-	-		8057-007	18.84	02.204.103	30.69
1	-	-		8057-010	22.39	02.204.104	39.85
1¼	-	-		8057-012	35.15	02.204.105	49.55
1½	-	-		8057-015	47.28	02.204.106	68.09
2	-	-		8057-020	62.61	02.204.107	88.21
2½	-	-		-		33.204.312	244.20
3	-	-		8057-030	129.27	02.204.109	328.26
4	-	-		8057-040	186.40	02.204.110	443.93
6	-	-		8057-060	441.24	-	

## Adaptor Socket

Inch x mm



Size	Code	Code	Price	Code	Price	Code	Price
½x20	-	-		831-005	3.20	33.345.102	6.44
¾x25	-	-		394025	3.53	33.345.103	6.44
1x32	-	-		394032	4.14	33.345.104	8.36
1¼x40	-	-		394040	6.01	33.345.105	12.50
1½x50	-	-		394050	8.08	33.345.106	18.12
2x63	-	-		394063	12.05	33.345.107	41.49
3x90	-	-		394090	38.55	33.345.109	74.26
4x110	-	-		394110	52.44	33.345.110	120.94
6x160	-	-		831-060	124.93	-	

## Adaptor Union

Inch x mm, EPDM O-Ring



Size	Code	Code	Price	Code	Price	Code	Price
½x20	-	-		8697-020	14.45	-	
¾x25	-	-		8697-025	18.84	-	
1x32	-	-		8697-032	22.12	-	
1¼x40	-	-		8697-040	42.15	-	
1½x50	-	-		8697-050	47.60	-	
2x63	-	-		8697-063	66.31	-	
3x90	-	-		8697-090	127.81	-	
4x110	-	-		8697-110	183.06	-	

## Adaptor Union

Inch x mm, FPM O-Ring



Size	Code	Code	Price	Code	Price	Code	Price
½x20	-	-		8657-020	14.67	-	
¾x25	-	-		8657-025	19.20	-	
1x32	-	-		8657-032	22.39	-	
1¼x40	-	-		8657-040	42.48	-	
1½x50	-	-		8657-050	48.34	-	
2x63	-	-		8657-063	67.05	-	
3x90	-	-		8657-090	129.27	-	
4x110	-	-		8657-110	186.07	-	

## Reducing Bush



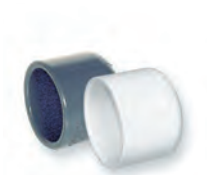
Size	Standard Range		Price	Industrial Range		Industrial Range	
	White	Grey		Spears		Durapipe	
Code				Code	Price	Code	Price
3/8x1/4	-	-	-	837-052	4.40	-	-
1/2x1/4	437-072	-	2.12	837-072	4.58	-	-
1/2x3/8	437-073	-	2.12	837-073	4.58	02.109.121	3.71
3/4x1/2	437-101	437-101G	1.40	837-101	2.27	02.109.122	4.93
1x1/2	437-130	437-130G	2.67	837-130	4.38	02.109.123	6.37
1x3/4	437-131	437-131G	2.32	837-131	4.38	02.109.124	6.37
1 1/4x1/2	437-166	437-166G	3.66	837-166	6.03	02.109.116	8.28
1 1/4x3/4	437-167	437-167G	4.11	837-167	6.23	02.109.117	8.28
1 1/4x1	437-168	437-168G	3.36	837-168	5.81	02.109.125	8.64
1 1/2x1/2	437-209	437-209G	4.41	837-209	8.26	-	-
1 1/2x3/4	437-210	437-210G	4.22	837-210	8.63	02.109.119	10.12
1 1/2x1	437-211	437-211G	4.56	837-211	8.26	02.109.126	10.12
1 1/2x1 1/4	437-212	437-212G	3.51	837-212	7.67	02.109.127	10.12
2x1/2	437-247	437-247G	6.81	837-247	11.49	-	-
2x3/4	437-248	437-248G	6.81	837-248	12.14	02.109.120	14.41
2x1	437-249	437-249G	6.81	837-249	11.78	02.109.128	14.41
2x1 1/4	437-250	437-250G	7.32	837-250	11.86	02.109.129	14.41
2x1 1/2	437-251	437-251G	6.45	837-251	11.37	02.109.130	14.41
2 1/2x2	-	-	-	837-292A	15.37	02.109.131	25.28
3x3/4	437-334	437-334G	16.52	-	-	-	-
3x1	437-335	437-335G	16.31	837-335	32.61	-	-
3x1 1/4	437-336	437-336G	16.52	837-336	32.41	-	-
3x1 1/2	437-337	437-337G	16.52	837-337	32.41	02.109.134	40.73
3x2	437-338	437-338G	16.52	837-338	32.23	02.109.135	40.73
3x2 1/2	-	-	-	837-339A	32.23	02.109.136	44.26
4x2	437-420	437-420G	32.82	837-420	46.50	-	-
4x3	437-422	437-422G	33.34	837-422	44.66	02.109.141	55.72
5x4	-	-	-	837-490A	109.84	02.329.142	154.56
6x2	437-528	-	95.59	837-528	126.69	-	-
6x3	437-530	-	86.46	837-530	124.16	-	-
6x4	437-532	437-532G	92.99	837-532	123.03	02.109.147	173.34
8x4	437-582	437-582G	251.56	-	-	-	-
8x6	437-585	437-585G	249.03	837-585	283.42	02.109.152	354.05
10x6	437-626	-	461.36	837-626	606.00	-	-
10x8	437-628	-	450.38	837-628	585.86	02.109.151	1073.34
12x8	437-668	-	523.61	837-668	706.67	-	-
12x10	437-670	-	551.09	837-670	845.81	02.109.153	1196.61
14x6	-	-	-	837-696F	2076.11	-	-
14x8	-	-	-	837-698F	1537.87	-	-
14x10	-	-	-	837-700F	988.63	-	-
14x12	-	-	-	837-702F	428.41	-	-
16x6	-	-	-	837-756F	2610.69	-	-
16x8	-	-	-	837-758F	2101.77	-	-
16x10	-	-	-	837-760F	1559.79	-	-
16x12	-	-	-	837-762F	955.70	-	-
16x14	-	-	-	837-764F	871.47	-	-
18x8	-	-	-	837-788F	3983.81	-	-
18x10	-	-	-	837-790F	3324.74	-	-
18x12	-	-	-	837-792F	2196.97	-	-
18x14	-	-	-	837-794F	2094.41	-	-
18x16	-	-	-	837-796F	990.47	-	-
20x8	-	-	-	837-818F	5799.96	-	-
20x10	-	-	-	837-820F	5210.41	-	-
20x12	-	-	-	837-822F	4617.26	-	-
20x14	-	-	-	837-824F	3833.68	-	-
20x16	-	-	-	837-826F	2987.82	-	-
20x18	-	-	-	837-828F	1609.27	-	-
24x10	-	-	-	837-910F	8330.08	-	-
24x12	-	-	-	837-912F	6986.28	-	-
24x14	-	-	-	837-914F	6557.86	-	-
24x16	-	-	-	837-916F	6627.51	-	-
24x18	-	-	-	837-918F	5715.71	-	-
24x20	-	-	-	837-920F	4628.27	-	-



### Solvent Welding Large Size Fittings

For solvent cement joints in sizes 6" and above, we strongly recommend the use of primer as part of a three stage jointing process. This provides the additional lubrication necessary to ensure the pipe reaches the bottom of the socket. Ratchet driven pipe pullers are also helpful for large size joints - see Tools section.

## Cap



Standard Range				Industrial Range		Industrial Range	
	White	Grey		Spears		Durapipe	
Size	Code	Code	Price	Code	Price	Code	Price
¼	-	-	-	847-002	5.52	-	-
⅜	447-003	447-003G	2.64	847-003	5.52	-	-
½	447-005	447-005G	1.20	847-005	3.01	02.140.102	4.65
¾	447-007	447-007G	1.57	847-007	3.54	02.140.103	5.49
1	447-010	447-010G	2.32	847-010	5.77	02.140.104	6.11
1¼	447-012	447-012G	3.33	847-012	6.23	02.140.105	9.52
1½	447-015	447-015G	4.11	847-015	10.63	02.140.106	16.07
2	447-020	447-020G	5.17	847-020	12.83	02.140.107	19.70
2½	-	-	-	647-075	21.38	33.140.312	47.54
3	447-030	447-030G	16.64	847-030	39.55	02.140.109	60.37
4	447-040	447-040G	33.12	847-040	60.11	02.140.110	93.20
5	-	-	-	647-140	103.60	-	-
6	447-060	447-060G	84.97	847-060	195.20	-	-
8	447-080	447-080G	198.46	847-080	410.11	-	-
10	447-100F	-	450.38	847-100F	627.98	-	-
12	447-120F	-	648.12	847-120F	933.70	-	-
14	447-140F	-	800.04	847-140F	1050.90	-	-
16	447-160F	-	981.27	847-160F	1391.42	-	-
18	447-180F	-	1669.71	847-180F	1995.56	-	-
20	447-200F	-	2519.20	847-200F	2746.17	-	-
24	447-240F	-	2846.62	-	-	-	-

## Plug



Size	Code	Code	Price	Code	Price	Code	Price
¼	449-003	449-003G	2.74	-	-	-	-
½	449-005	449-005G	2.30	849-005	5.81	-	-
¾	449-007	449-007G	2.88	849-007	6.57	-	-
1	449-010	449-010G	3.83	849-010	7.67	-	-
1¼	449-012	449-012G	5.31	849-012	10.07	-	-
1½	449-015	449-015G	6.81	849-015	11.19	-	-
2	449-020	449-020G	9.16	849-020	15.37	-	-
3	449-030	449-030G	20.52	-	-	-	-
4	449-040	-	41.79	-	-	-	-

## Expansion Joint

Plain Socket x Plain  
Spigot  
EPDM O-Ring



Size	Code	Code	Price	Code	Price	Code	Price
½	S118-05	-	23.82	826-005X6	726.84	-	-
¾	S118-07	-	27.11	826-007X6	783.59	-	-
1	S118-10	-	31.37	826-010X6	794.56	-	-
1¼	S118-12	-	59.00	826-012X6	1135.12	-	-
1½	S118-15	-	64.09	826-015X6	1349.28	-	-
2	S118-20	-	99.29	826-020X6	1105.79	-	-
2½	S118-25	-	144.34	826-025X6	1955.25	-	-
3	S118-30	-	179.95	826-030X6	1490.25	-	-
4	S118-40	-	315.25	826-040X6	1429.81	-	-
6	-	-	-	826-060X6	2416.66	-	-
8	-	-	-	826-080X6	3379.63	-	-
10	-	-	-	826-100X6	4177.84	-	-
12	-	-	-	826-120X6	7341.45	-	-

Also available with FPM O-Ring and with socket x socket connections - please enquire for details.

## Compression Coupling



Size	Code	Code	Price	Code	Price	Code	Price
½	S110-05	-	16.85	-	-	-	-
¾	S110-07	-	22.73	-	-	-	-
1	S110-10	-	29.21	-	-	-	-
1¼	S110-12	-	45.40	-	-	-	-
1½	S110-15	-	46.89	-	-	-	-
2	S110-20	-	60.48	-	-	-	-
3	S110-30	-	148.64	-	-	-	-
4	S110-40	-	241.66	-	-	-	-
6	S110-60	-	547.05	-	-	-	-

Buna-N gasket EPDM gasket

## Stub Flange



### Industrial Range

#### Spears

Size	Code	Price
1/2	854-005-2	3.44
3/4	854-007-2	4.10
1	854-010-2	5.18
1 1/4	854-012-2	7.67
1 1/2	854-015-2	10.63
2	854-020-2	17.92
2 1/2/75	654-075	23.19
3	854-030-2	34.25
4	854-040-2	46.14
6	854-060-2	113.90
8	854-080-2	224.09
10	854-100-2	273.90
12	854-120-2	375.30
14	854-140-2	789.06
16	854-160-2	1215.65

## Stub Flange

Plain Spigot End  
c/w Backing Ring



Van Stone Style  
Plastic Backing Ring  
Drilled ANSI 150 except\*  
which are universal  
drilled:- BS4504 PN10  
BS10 Table D & E  
ANSI 150

### Industrial Range

#### Spears

Size	Code	Price
1/2	856-005	20.66
3/4	856-007	22.86
1	856-010	26.76
1 1/4	856-012	27.81
1 1/2	856-015	30.03
*2	856-020M	42.91
3 D&E	856-030E	76.17
3 PN10	856-030N	76.17
3 ANSI	856-030	76.17
4 ANSI	856-040	91.95
4 E	856-040E	96.68
4 PN10/16	856-040N	96.68
*6	856-060M	151.96
*8	856-080M	272.09
10	856-100	309.46
12	856-120	421.08

## Stub Flange

Plain Socket End  
c/w Backing Ring



Van Stone Style  
Plastic Backing Ring  
Drilled ANSI 150  
except(\*) which are  
universal drilled:-  
BS4504 PN10  
BS10 Table D & E  
ANSI150

Size	Code	Price
1/2	854-005	20.52
3/4	854-007	22.39
1	854-010	26.20
1 1/4	854-012	27.12
1 1/2	854-015	29.23
2 1	854-020M	41.43
3D&E	854-030E	73.95
3PN10	854-030N	73.95
3ANSI	854-030	73.95
4ANSI	854-040	88.57
4E	854-040E	88.57
4PN10/16	854-040N	88.57
6 1	854-060M	151.23
8 1	854-080M	240.19
10	854-100	384.43
12	854-120	446.71
14	854-140	1391.42
Size	Code	Price
16	854-160	1874.77

ring

## Flange Set

Plain Socket  
BS4504 PN10/16



Size	Code	Price
2	10756	95.62
2 1/2	10757	95.62
3	10758	117.32
4	10759	145.00
5	10760	248.06
6	10761	299.78
8	10762	432.90

## Full Face Flange



Drillings available:-  
BS4504 PN10  
BS10 Table D & E  
ANSI 150

NEW  
NEW

Size	Code	Price
1/2	851-005	21.40
3/4	851-007	21.98
1	851-010	23.40
1 1/4	851-012	27.86
1 1/2	851-015	32.84
2	851-020	42.82
3	851-030	80.70
4	851-040	107.58
**6	851-060	198.18
*8	851-080	277.14
10	851-100M	398.44
12	851-120M	443.99

\*\*ANSI 150 & PN10/16

\* ANSI 150 Only

## Blind Flange

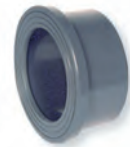


Drillings Available:  
BS4504 PN10  
BS10 Table D & E  
ANSI 150

Size	Code	Price
1/2	853-005G	43.60
3/4	853-007G	47.28
1	853-010G	50.98
1 1/4	853-012G	54.17
1 1/2	853-015G	58.23
2	853-020G	74.18
2 1/2	853-025G	87.93
3	853-030G	132.46
4	853-040G	169.31
5	853-050G	205.00
6	853-060G	309.26
8	853-080G	358.81
10	853-100G	483.30
12	853-120G	629.78

Also available undrilled  
Please enquire for details

## Stub Flange



### Durapipe

Size	Code	Price
2	02.135.107	29.47
2 1/2/75	33.135.312	48.09
3	02.135.109	59.35
4	02.135.110	78.13
5/140	33.135.316	176.20
6	02.135.112	200.90
8	02.135.113	398.51



## Flange Pressure Ratings

Not all PVC-U flanges carry the same pressure rating as the pipe.

This is the maximum working pressure of the flange at 20°C:-

BS 10 Table D: 100 psi (6.9 bar)  
BS 10 Table E: 200 psi (13.8 bar)  
BS 4504 EN1072 PN10: 10 bar  
BS 4504 EN1072 PN16: 16 bar  
ANSI 150: 10 bar

Take care to select the correct flange for the job.



## Backing Ring Table D/E

Galvanised Mild Steel



Size	Spears	Durapipe	Price
1/2"/20	860-005-11E	860-005-12E	11.37
3/4"/25	860-007-11E	860-007-12E	12.86
1"/32	860-010-11E	860-010-12E	13.49
1.1/4"/40	860-012-11E	860-012-12E	13.92
1.1/2"/50	860-015-11E	860-015-12E	17.05
2"/63	860-020-11E	860-020-11E	24.21
3"/90	860-030-11E	860-030-11E	36.77
4" Table D	860-040-11D	860-040-11D	47.52
4" Table E	860-040-11E	860-040-11E	47.52
6"/160	860-060-11E	860-060-12E	80.36
8	860-080-11E	860-080-13E	108.75
10	860-100-11E	860-100-12E	153.83
12	860-120-11E	860-120-12E	227.00
14	860-140-11E	-	633.07
16	860-160-11E	-	777.04

## Backing Ring NP10/16

Galvanised Mild Steel



Size	Spears	Durapipe	Price
1/2"/20	860-005-11NP	860-005-12NP	12.86
3/4"/25	860-007-11NP	860-007-12NP	13.60
1"/32	860-010-11NP	860-010-12NP	16.17
1.1/4"/40	860-012-11NP	860-012-12NP	17.16
1.1/2"/50	860-015-11NP	860-015-12NP	18.84
2"/63	860-020-11NP	860-020-11NP	26.62
2.1/2"/75	860-025-11NP	860-025-11NP	36.43
3"/90	860-030-11NP	860-030-11NP	42.12
4"/110	860-040-11NP	860-040-11NP	53.87
5"/140	860-050-11NP	860-050-11NP	75.01
6	860-060-11NP	860-060-12NP	85.52
8 NP10	860-080-11P	860-080-13N	120.28
8 NP16	860-080-11N	860-080-13P	120.28
10 NP10	860-100-11N	860-100-12N	166.98
10 NP16	860-100-11P	860-100-12P	166.98
*12 NP16	860-120-11P	860-120-12P	227.00
14 NP10	860-140-11N	-	633.06
16 NP16	860-160-11N	-	777.04

\* NP16 Only

## Backing Ring ANSI 150

Galvanised Mild Steel



Size	Spears	Durapipe	Price
1/2"/20	860-005-11A	860-005-12A	12.85
3/4"/25	860-007-11A	860-007-12A	13.60
1"/32	860-010-11A	860-010-12A	16.17
1.1/4"/40	860-012-11A	860-012-12A	17.17
1.1/2"/50	860-015-11A	860-015-12A	18.84
2"/63	860-020-11A	860-020-11A	26.62
3"/90	860-030-11A	860-030-11A	42.12
4"/110	860-040-11A	860-040-11A	53.87
6	860-060-11A	860-060-12A	85.52
8	860-080-11A	860-080-13A	120.28
10	860-100-11A	-	166.98
12	860-120-11A	-	227.01
14	860-140-11A	-	633.06
16	860-160-11A	-	777.04

## Valve Support Plate

Galvanised Mild Steel -  
NP10/16



Size	Code	Price
1/2	03.458.102	45.39
3/4	03.458.103	48.34
1	03.458.104	51.02
1.1/4	03.458.105	59.58
1.1/2	03.458.106	73.11
2	03.458.107	81.94
2.1/2"/75	31.459.312	84.20
3	03.458.109	111.45
4	03.458.110	132.13
6	03.458.112	205.32
*8	03.458.113	369.23

\*NP16 only

## Stub Gasket

EPDM



Size	Code	Price
1/2"/20	861-E-005	0.77
3/4"/25	861-E-007	0.88
1"/32	861-E-010	0.97
1.1/4"/40	861-E-012	1.20
1.1/2"/50	861-E-015	1.46
2"/63	861-E-020	2.50
2.1/2"/75	861-E-025	3.07
3"/90	861-E-030	3.30
4"/110	861-E-040	4.80
5"/140	861-E-050	6.17
6"/160	861-E-060	7.07
8"/200	861-E-081	14.05
10"/280	861-E-280	17.24
12"/315	861-E-120	19.54

Please note codes above are for Table D/E. Replace 'E' with 'ISO' for NP10/16 or 'A' for ANSI 150

## Stub Gasket

FPM



Size	Code	Price
1/2"/20	862-E-005	3.55
3/4"/25	862-E-007	5.27
1"/32	862-E-010	6.97
1.1/4"/40	862-E-012	11.20
1.1/2"/50	862-E-015	12.22
2"/63	862-E-020	16.10
2.1/2"/75	862-E-075	23.32
3"/90	862-E-030	30.38
4"/110	862-E-040	51.86
5"/140	862-E-050	86.57
6"/160	862-E-060	86.57
8"/200	862-E-081	103.66
10"/280	862-E-280	141.11
12"/315	862-E-120	147.32

Please note codes above are for Table D/E. Replace 'E' with 'ISO' for NP10/16 or 'A' for ANSI 150

## Gasket

EPDM - full face



Size	Code	Price
1/2"/20	863-E-005	2.65
3/4"/25	863-E-007	2.97
1"/32	863-E-010	3.55
1.1/4"/40	863-E-012	4.24
1.1/2"/50	863-E-015	5.02
2"/63	863-E-020	6.17
3"/90	863-E-030	8.69
4"/110	863-E-040	12.12
6"/160	863-E-060	19.54
8"/225	863-E-081	23.08
10"/280	863-E-280	38.84
12"/315	863-E-120	53.89

Please note codes above are for Table D/E. Replace 'E' with 'ISO' for NP10/16 or 'A' for ANSI 150

## Gasket

FPM - full face



Size	Code	Price
1/2"/20	864-E-005	20.99
3/4"/25	864-E-007	24.22
1"/32	864-E-010	30.13
1.1/4"/40	864-E-012	33.14
1.1/2"/50	864-E-015	39.25
2"/63	864-E-020	50.46
3"/90	864-E-030	71.47
4"/110	864-E-040	97.75
6"/160	864-E-060	158.94
8"/200	864-E-081	173.11
10"/280	864-E-280	208.98
12"/315	864-E-120	270.61

Please note codes above are for Table D/E. Replace 'E' with 'ISO' for NP10/16 or 'A' for ANSI 150

Plain Socket  
x BSP Female Thread



Plain Socket x Reinforced  
BSP Female Thread



Plain Socket  
x NPT Female Thread



Plain Socket  
x NPT Female Thread



Larger sizes on request  
\*Also available BSP  
Part number 302

White Grey

Size	Code	Code	Price
1½	-	-	
¾	302-007	-	5.36
1	302-010	-	8.63
1¼	-	-	
1½	-	-	
2	-	-	
2½	-	-	
3	-	-	

Size	Code	Code	Price
1/2	-	-	
3/4	-	-	
1	-	-	
1 1/4	-	-	
1 1/2	-	-	
2	-	-	

## Spears

Code	Price
802-005BT	12.51
802-007BT	13.76
802-010BT	15.33
802-012BT	28.84
802-015BT	33.42
802-020BT	47.34
602-075	67.36
802-030BT	88.47

## Durapipe

[illegible]

Size	Code	Code	Price
$\frac{3}{8}$	402-003	-	4.56
$\frac{1}{2}$	402-005	402-005G	2.53
$\frac{3}{4}$	402-007	402-007G	4.11
1	402-010	402-010G	7.13
$1\frac{1}{4}$	402-012	402-012G	11.77
$1\frac{1}{2}$	402-015	-	14.05
2	402-020	-	19.48
3	402-030	-	66.32
4	402-040	-	105.47

Code	Price
-	
802-005	16.51
802-007	21.42
802-010	26.00
-	
-	
802-020	43.18
-	
-	

[illegible]

Size	Code	Code	Price
1/2x1/8	402-071	-	4.11
1/2x1/4	402-072	-	4.22
1/2x3/4	402-074	-	4.56
3/4x1/2x1/2	402-094	-	3.83
3/4x1/2x3/4	402-095	-	3.83
3/4x1/2	402-101	402-101G	3.22
1x3/4x1/2	402-124	-	6.45
1x3/4x3/4	402-125	-	6.45
1x1/2	402-130	402-130G	5.17
1x3/4	402-131*	402-131G	6.81
1.1/4x1x1/2	402-156	-	9.90
1.1/4x1x3/4	402-157	-	9.68
1.1/4x1x1	402-158	-	10.82
1.1/4x1/2	402-166	402-166G	10.27
1.1/4x3/4	402-167	402-167G	10.63
1.1/4x1	402-168	402-168G	11.20
1.1/2x1.1/4x1/2	402-199	-	12.48
1.1/2x1.1/4x3/4	402-201	-	12.82
1.1/2x1.1/4x1	402-202	-	13.37
1.1/2x1/2	402-209	402-209G	12.48
1.1/2x3/4	402-210	402-210G	12.48
1.1/2x1	402-211*	402-211G*	13.60
1.1/2x1.1/4	402-212	402-212G	13.60
2x1.1/2x3/4	402-238	-	16.08
2x1.1/2x1	402-239	-	16.85
2x1/2	402-247	402-247G	15.95
2x3/4	402-248	402-247G	15.55
2x1	402-249*	402-249G*	16.52
2x1.1/4	402-250	402-250G	17.76
2x1.1/2	402-251	402-251G	17.91
3x1/2	402-333	-	46.50
3x3/4	402-334	-	47.28
3x1	402-335	-	48.00
3x1.1/4	402-336	-	49.42
3x1.1/2	402-337	-	49.81
3x2	402-338	-	50.96
4x1	402-417	-	77.28
4x1.1/2	402-419	-	79.08
4x2	402-420	-	80.23
4x3	402-422	-	88.66
6x2	402-528	-	255.26
6x3	402-530	-	267.29
6x4	402-532	-	272.41
8x2	402-578	-	573.09
8x3	402-580	-	551.09
8x4	402-582	-	598.65

Code	Price
-	
-	
-	
-	
802-101	17.26
-	
802-130	18.17
802-131	22.84
-	
-	
802-166	29.79
802-167	29.79
802-168	55.07
-	
-	
802-209	38.04
802-210	38.04
802-211	36.99
802-212	60.29
-	
-	
802-247	43.60
802-248	43.96
802-249	54.80
802-250	57.53
802-251	76.40
802-333	85.08
802-334	85.08
802-335	98.38
802-336	98.38
802-337	98.38
802-338	120.32
802-417	138.15
802-419	140.53
802-420	199.80
802-422	228.42
802-528	330.93
802-530	448.11
802-532	467.24
802-578	936.30
802-580	957.23
802-582	972.95

[illegible]

## Reducing Tee 90°

Plain Socket x  
Reinforced  
NPT Female Thread

Standard Range				Industrial Range		Industrial Range	
Size	White	Grey	Price	Spears		Durapipe	
	Code	Code		Code	Price	Code	Price
½	402-005SR	-	21.25	802-005SR	15.19	-	
½x¼	402-072SR	-	21.25	802-072SR	15.19	-	
¾x¼	402-098SR	-	27.69	802-098SR	19.76	-	
¾x½	402-101SR	-	27.69	802-101SR	19.76	-	

## Elbow 90°

Plain Socket  
x BSP Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
½	-	-		807-005BT	9.68	02.116.102	16.07
¾	307-007	-	2.78	807-007BT	11.30	02.116.103	18.68
1	307-010	-	5.31	807-010BT	13.88	02.116.104	22.97
1¼	-	-		807-012BT	28.84	02.116.105	47.94
1½	-	-		807-015BT	31.81	02.116.106	52.80
2	-	-		807-020BT	45.05	02.116.107	74.82
2½	-	-		607-075	60.00	33.116.107	124.71
3	-	-		807-030BT	101.69	02.116.109	156.26
4	-	-		-		02.116.110	230.98

## Elbow 90°

Plain Socket x  
Reinforced  
BSP Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
½	-	-		807-005SRBT	14.21	-	
¾	-	-		807-007SRBT	16.00	-	
1	-	-		807-010SRBT	18.86	-	
1¼	-	-		807-012SRBT	36.73	-	
1½	-	-		807-015SRBT	38.68	-	
2	-	-		807-020SRBT	52.70	-	

## Elbow 90°

Plain Socket  
x NPT Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
¼	-	-		807-002	13.35	-	
⅜	-	-		807-003	13.77	-	
½	407-005	407-005G	2.01	807-005	14.45	-	
¾	407-007	407-007G	2.44	807-007	17.02	-	
1	407-010	407-010G	4.41	807-010	19.20	-	
1¼	407-012	407-012G	7.66	807-012	23.58	-	
1½	407-015	407-015G	9.16	807-015	28.06	-	
2	407-020	407-020G	18.31	807-020	37.33	-	
3	407-030	-	64.48	-		-	
4	407-040	-	99.29	-		-	

## Reducing Elbow 90°

Plain Socket  
x NPT Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
¾x½	407-053	-	3.83	-		-	
½x¾	407-074	-	3.66	-		-	
¾x½	407-101	-	2.53	-		-	
1x½	407-130	-	5.31	-		-	
1x¾	407-131	-	5.73	-		-	
1¼x1	407-168	-	8.77	-		-	
1½x1	407-211*	-	13.60	-		-	
1½x1¼	407-212	-	13.17	-		-	
2x1½	407-251	-	22.73	-		-	

\*Also available BSP

## Street Elbow 90°

Plain Socket  
x NPT Male Thread



Size	Code	Code	Price	Code	Price	Code	Price
½	410-005	410-005G	2.88	-		-	
¾	410-007	410-007G	3.66	-		-	
¾x½	410-101	-	3.83	-		-	
1	410-010	-	5.81	-		-	
1¼	410-012	-	8.27	-		-	
1½	410-015	-	9.53	-		-	
2	410-020	-	19.06	-		-	

## Socket

Plain Socket  
x BSP Female Thread



Standard Range				Industrial Range		Industrial Range	
Size	White	Grey	Price	Spears		Durapipe	
	Code	Code		Code	Price	Code	Price
1/2	-	-		835-005BT	8.29	02.101.102	13.83
3/4	-	-		835-007BT	9.16	02.101.103	15.03
1	335-010	335-010G	3.69	835-010BT	11.40	02.101.104	19.07
1 1/4	335-012	335-012G	5.31	835-012BT	17.77	02.101.105	29.48
1 1/2	335-015	335-015G	6.23	835-015BT	20.56	02.101.106	34.11
2	335-020	335-020G	8.47	835-020BT	26.72	02.101.107	44.26
2 1/2	-	-		835-025BT	66.55	-	
3	-	-		835-030BT	75.44	02.101.109	125.37
4	-	-		835-040BT	86.73	-	

## Socket

Plain Socket x Reinforced  
BSP Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/2	-	-		835-005SRBT	12.84	-	
3/4	-	-		835-007SRBT	13.98	-	
1	-	-		835-010SRBT	16.36	-	
1 1/4	-	-		-		-	
1 1/2	-	-		835-015SRBT	20.46	-	
2	-	-		835-020SRBT	34.19	-	

## Socket

Plain Socket  
x NPT Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/4	-	-		835-002	10.43	-	
3/8	435-003	-	4.11	835-003	10.63	-	
1/2	435-005	435-005G	1.60	835-005	6.42	-	
3/4	435-007	435-007G	2.06	835-007	9.37	-	
1	435-010	435-010G	2.77	835-010	13.95	-	
1 1/4	435-012	435-012G	4.11	835-012	22.50	-	
1 1/2	435-015	435-015G	4.78	835-015	27.81	-	
2	435-020	435-020G	6.45	835-020	47.28	-	
3	435-030	435-030G	20.66	835-030	87.89	-	
4	435-040	435-040G	32.60	835-040	149.05	-	
6	435-060	435-060G	106.21	-		-	
8	435-080	-	198.46	-		-	

## Socket

Plain Socket x  
Reinforced NPT Female  
Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/4	435-002SR	-	9.16	835-002SR	10.07	-	
3/8	435-003SR	-	9.37	835-003SR	10.27	-	
1/2	435-005SR	-	5.53	835-005SR	6.03	-	
3/4	435-007SR	-	7.90	835-007SR	8.63	-	
1	435-010SR	-	11.87	835-010SR	12.83	-	
1 1/4	435-012SR	-	18.84	835-012SR	20.52	-	
1 1/2	435-015SR	-	23.58	835-015SR	25.44	-	
2	435-020SR	-	40.65	835-020SR	44.30	-	
3	435-030SR	-	73.96	835-030SR	79.47	-	
4	435-040SR	-	123.77	835-040SR	134.41	-	

## Socket

Plain Socket x Metal  
NPT Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/2	-	-		835-005BR	31.88	-	
3/4	-	-		835-007BR	45.80	-	
3/4x1/2	-	-		835-101BR	46.88	-	
3/4x1	-	-		835-010BR	78.74	-	
1 1/4	-	-		835-012BR	128.53	-	
1 1/2	-	-		835-015BR	168.39	-	
2	-	-		835-020BR	208.36	-	

## Reducing Socket

Plain Socket  
x NPT Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/2x1/4	435-072	-	2.32	-		-	
1/2x3/8	435-073	435-073G	2.53	-		-	
1/2x3/4	435-074	-	2.67	-		-	
3/4x1/2	435-101	435-101G	2.67	-		-	
3/4x1	435-102	-	3.51	-		-	
1x3/4	435-131	435-131G	3.51	-		-	
1x1 1/2	435-133	-	6.96	-		-	

## Reducing Socket

Plain Socket x Reinforced  
NPT Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/2x3/4	435-074SR	-	7.90	835-074SR	8.63	-	
3/4x1/2	435-101SR	-	8.63	835-101SR	8.63	-	
3/4x1	435-102SR	-	11.87	835-102SR	12.61	-	
1x1 1/2	435-130SR	-	11.50	835-130SR	12.61	-	
1x3/4	435-131SR	-	11.77	835-131SR	12.83	-	





## Reducing Bush (continued)

Plain Spigot  
x NPT Female Thread



Size	Standard Range		Price	Industrial Range		Industrial Range	
	White	Grey		Spears		Durapipe	
	Code	Code		Code	Price	Code	Price
4x2	438-420	438-420G	34.61	838-420	114.64	-	
4x2.1/2	438-421	-	37.32	838-421	116.84	-	
4x3	438-422	438-422G	34.05	838-422	113.90	-	
6x2	438-528	-	125.21	838-528	157.85	-	
6x3	438-530	-	113.50	838-530	153.05	-	
6x4	438-532	438-532G	118.65	838-532	151.97	-	
6x5	438-534	-	109.48	-		-	

## Adaptor

Plain Socket  
x BSP Male Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/2	336-005	436-005G	1.92	836-005BT	4.97	02.151.102	8.12
3/4	336-007	436-007G	2.29	836-007BT	5.81	02.151.103	8.80
1	336-010	436-010BT	3.83	836-010BT	9.00	02.151.104	13.83
1.1/4	336-012	436-012BT	4.78	836-012BT	12.32	02.151.105	19.42
1.1/2	336-015	436-015BT	6.23	836-015BT	15.86	02.151.106	26.20
2	336-020	436-020BT	8.27	836-020BT	21.52	02.151.107	35.70
2.1/2	-	-	-	-	-	-	-
3	336-030	436-030BT	32.06	836-030BT	63.51	-	-
4	-	436-040BT	46.32	836-040BT	85.50	-	-

## Adaptor

Plain Socket  
x NPT Male Thread



Size	Code	Code	Price	Code	Price	Code	Price
3/8	436-003	-	3.63	-	-	-	-
1/2	436-005	436-005G	1.92	836-005	7.52	-	-
3/4	436-007	436-007G	2.29	836-007	8.63	-	-
1	436-010	436-010G	2.77	836-010	14.67	-	-
1.1/4	436-012	436-012G	3.51	836-012	17.59	-	-
1.1/2	436-015	436-015G	4.56	836-015	24.76	-	-
2	436-020	436-020G	6.23	836-020	35.71	-	-
3	436-030	436-030G	23.24	836-030	50.18	-	-
4	436-040	436-040G	31.37	836-040	89.77	-	-
6	436-060	436-060G	80.57	836-060	178.69	-	-

## Reducing Adaptor

NPT Male Thread  
x Plain Socket



Size	Code	Code	Price	Code	Price	Code	Price
1/2x3/8	436-073	-	2.01	-	-	-	-
1/2x3/4	436-074	436-074G	2.28	-	-	-	-
3/4x1/2	436-101	436-101G	2.01	-	-	-	-
3/4x1	436-102	-	3.36	-	-	-	-
1x3/4	436-131	-	6.23	-	-	-	-
1x1.1/4	436-132	-	7.13	-	-	-	-
1.1/4x1	436-168	-	7.66	-	-	-	-
1.1/4x1.1/2	436-169	-	8.05	-	-	-	-
1.1/2x1.1/4	436-212	-	9.53	-	-	-	-
1.1/2x2	436-213	-	10.27	-	-	-	-
2x1.1/2	436-251	-	11.36	-	-	-	-
3x4	436-342	-	37.73	-	-	-	-

## Hexagon Nipple

Plain Spigot  
x BSP Male Thread



Size	Code	Code	Price	Code	Price	Code	Price
3/8	-	-	-	-	-	-	-
1/2	-	-	-	361-005BT	2.32	-	-
3/4	-	-	-	361-007BT	3.83	-	-
1	-	-	-	361-010BT	4.22	-	-
1.1/4	-	-	-	361-012BT	5.17	-	-
1.1/2	-	-	-	361-015BT	5.73	-	-
2	-	-	-	361-020BT	9.68	-	-

## Hexagon Nipple

Plain Spigot  
x NPT Male Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/2	461-005	-	1.98	861-005N	7.52	-	-
3/4	461-007	-	2.28	861-007N	10.97	-	-
1	461-010	-	3.83	861-010N	16.31	-	-
1.1/4	461-012	-	5.17	861-012N	18.17	-	-
1.1/2	461-015	-	6.81	861-015N	20.52	-	-
2	461-020	-	8.63	861-020N	24.36	-	-

## Nipple

Plain Spigot  
x BSP Male Thread



Also available with NPT  
Thread

## Tank Connector

Plain Spigot  
x BSP Male Thread



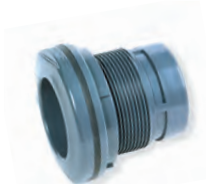
## Grooved Coupling Adaptor

Plain Socket  
x Groove Joint\*



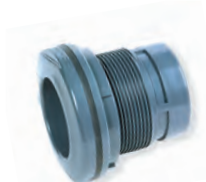
## Tank Adaptor

EPDM Gasket  
Plain Socket x Plain  
Socket



## Tank Adaptor

FPM Gasket  
Plain Socket x Plain  
Socket



### Standard Range

Size	White		Grey	Price
	Code	Code		
1/4	-	-	-	-
3/8	-	-	-	-
1/2	-	-	-	-
3/4	-	-	-	-
1	-	-	-	-
1 1/4	-	-	-	-
1 1/2	-	-	-	-
2	-	-	-	-
2 1/2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
6	-	-	-	-
Size	Code	Code	Price	
3/8	-	-	-	-
1/2	-	-	-	-
3/4	-	-	-	-
1	-	-	-	-
1 1/4	-	-	-	-
1 1/2	-	-	-	-
2	-	-	-	-
2 1/2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
6	-	-	-	-

Size	Code	Code	Price
1 1/4	-	-	-
1 1/2	-	-	-
2	-	-	-
3	-	-	-
4	-	-	-
6	-	-	-

\* Use with Victaulic Type 75 or similar flexible joint

### Industrial Range

Spears	
Code	Price
880-1-015BT	3.38
881-1-015BT	3.38
882-1-020BT	2.84
883-1-020BT	2.92
884-1-030BT	5.26
885-1-035BT	8.30
886-1-035BT	9.44
887-1-040BT	14.29
888-1-050BT	32.90
889-1-050BT	39.53
890-1-060BT	60.11
892-1-080BT	152.11
Code	Price
843-003	9.63
843-005	9.63
843-007	11.01
843-010	23.07
843-012	58.25
843-015	63.88
843-020	76.55
843-025	105.36
843-030	114.85
843-040	172.24
843-060	379.57

Code	Price
833-012	18.68
833-015	20.88
833-020	25.06
833-030	63.70
833-040	78.76
833-060	169.87

### Industrial Range

Durapipe	
Code	Price
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
02.316.109	80.07
02.316.110	108.24
-	-
Code	Price
-	-
02.235.102	15.57
02.235.103	17.68
02.235.104	40.35
02.235.105	102.36
02.235.106	112.27
02.235.107	134.57
-	-
02.235.109	137.94
-	-
-	-

Code	Price
-	-
-	-
-	-
-	-
-	-
-	-

## Wrench Set

For easy tightening of  
tank adaptor nuts



Size	Code	Price
1/4	TAW-002	25.59
3/8	TAW-003	25.59
1/2	TAW-005	25.83
3/4	TAW-007	26.54
1	TAW-010	27.70
1 1/4	TAW-012	31.19
1 1/2	TAW-015	34.62
2	TAW-020	39.56
2 1/2	TAW-025	43.74
3	TAW-030	48.65
4	TAW-040	53.06

### Union

Plain Socket  
x BSP Female Thread  
EPDM O-Ring



### Standard Range

Size	White		Grey	Price
	Code			
1/2	-		-	
3/4	-		-	
1	-		-	
1 1/4	-		-	
1 1/2	-		-	
2	-		-	
3	-		-	
4	-		-	

### Industrial Range

Spears	
Code	Price
899-005BT	21.97
899-007BT	24.31
899-010BT	30.27
899-012BT	36.91
899-015BT	48.42
899-020BT	67.38
899-030BT	247.97
899-040BT	293.11

### Industrial Range

Durapipe	
Code	Price
-	
-	
-	
-	
-	
-	
-	
-	

### Union

Plain Socket  
x NPT Female Thread  
EPDM O-Ring



Size	Code	Code	Price
1/2	-	-	
3/4	-	-	
1	-	-	
1 1/4	-	-	
1 1/2	-	-	
2	-	-	
3	-	-	
4	-	-	

Code	Price
899-005	15.55
899-007	24.02
899-010	32.05
899-012	58.99
899-015	72.48
899-020	112.01
899-030	264.73
899-040	317.85

Code	Price
-	
-	
-	
-	
-	
-	
-	
-	

### Union

Plain Socket  
x NPT Female Thread  
FPM O-Ring



Size	Code	Code	Price
1/4	-	-	
3/8	-	-	
1/2	-	-	
3/4	-	-	
1	-	-	
1 1/4	-	-	
1 1/2	-	-	
2	-	-	
3	-	-	
4	-	-	

Code	Price
-	
-	
859-005	17.02
859-007	24.13
859-010	32.41
859-012	59.28
859-015	73.62
859-020	113.19
859-030	268.05
859-040	321.46

Code	Price
-	
-	
-	
-	
-	
-	
-	
-	

### Union

Plain Socket  
x Reinforced NPT  
Female Thread  
EPDM O-Ring



Size	Code	Code	Price
1/4	499-002SR	-	24.88
3/8	499-003SR	-	24.55
1/2	499-005SR	-	14.33
3/4	499-007SR	-	20.14
1	499-010SR	-	27.45
1 1/4	499-012SR	-	49.09
1 1/2	499-015SR	-	60.76
2	499-020SR	-	95.21
3	499-030SR	-	224.52
4	499-040SR	-	268.75

Code	Price
899-002SR	27.30
899-003SR	27.45
8099-005SR	15.97
8099-007SR	22.73
8099-010SR	29.50
8099-012SR	49.42
8099-015SR	65.18
8099-020SR	110.59
8099-030SR	245.76
8099-040SR	283.06

Code	Price
-	
-	
-	
-	
-	
-	
-	
-	

### Union

Plain Socket  
x Reinforced NPT  
Female Thread  
FPM O-Ring



Size	Code	Code	Price
1/2	459-005SR	-	14.67
3/4	459-007SR	-	20.52
1	459-010SR	-	27.69
1 1/4	459-012SR	-	50.96
1 1/2	459-015SR	-	62.94
2	459-020SR	-	97.40
3	459-030SR	-	229.23
4	459-040SR	-	271.30

Code	Price
8059-005SR	15.97
8059-007SR	22.09
8059-010SR	29.12
8059-012SR	54.17
8059-015SR	66.64
8059-020SR	102.17
8059-030SR	247.91
8059-040SR	292.59

Code	Price
-	
-	
-	
-	
-	
-	
-	



## Union

Plain Socket  
x Malleable Iron BSP  
Male Thread  
EPDM O-Ring



## Standard Range

Size	White		Grey	Price
	Code	Code		
1/2	-	-	-	-
3/4	-	-	-	-
1	-	-	-	-
1 1/4	-	-	-	-
1 1/2	-	-	-	-
2	-	-	-	-

## Industrial Range

Spears		Price
Code	Price	
600221	21.41	-
600231	25.07	-
600241	28.10	-
600251	45.28	-
600261	55.93	-
600271	77.53	-

## Industrial Range

Durapipe		Price
Code	Price	
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

## Union

Plain Socket  
x Malleable Iron BSP  
Female Thread  
EPDM O-Ring



Size	Code	Code	Price
1/2	-	-	-
3/4	-	-	-
1	-	-	-
1 1/4	-	-	-
1 1/2	-	-	-
2	-	-	-

Code	Price
600131	17.65
600141	18.34
600151	21.28
600161	31.37
600171	40.45
600181	64.48

Code	Price
-	-
-	-
-	-
-	-
-	-
-	-

## Union

Plain Socket  
x Brass BSP Male  
Thread, EPDM O-Ring



Size	Code	Code	Price
1/2	-	-	-
3/4	-	-	-
1	-	-	-
1 1/4	-	-	-
1 1/2	-	-	-
2	-	-	-

Code	Price
600411	31.23
600421	33.77
600431	48.00
600441	66.58
600451	105.30
600461	135.16

Code	Price
02.223.102*	40.35
02.223.103*	58.13
02.223.104*	65.62
02.223.105*	92.58
02.223.106*	129.32
02.223.107*	200.90

\* Plastic nut not brass

## Union

Plain Socket  
x Brass BSP Female  
Thread, EPDM O-Ring



Size	Code	Code	Price
1/2	-	-	-
3/4	-	-	-
1	-	-	-
1 1/4	-	-	-
1 1/2	-	-	-
2	-	-	-

Code	Price
600311	26.28
600321	39.13
600331	45.28
600341	71.34
600351	89.53
600361	133.76

Code	Price
02.222.102*	35.70
02.222.103*	54.54
02.222.104*	62.72
02.222.105*	84.71
02.222.106*	116.88
02.222.107*	177.25

\* Plastic nut not brass

## Union

Plain Socket  
x Metal NPT Female  
Thread, EPDM O-Ring



Size	Code	Code	Price
1	499-010BR	-	76.57
1 1/4	499-012BR	-	126.71
1 1/2	499-015BR	-	167.38
2	499-020BR	-	224.52

Code	Price
899-010BR	83.49
899-012BR	138.78
899-015BR	183.47
899-020BR	245.33

Code	Price
-	-
-	-
-	-
-	-

## Union

Plain Socket  
x Metal NPT Female  
Thread, FPM O-Ring



Size	Code	Code	Price
1	459-010BR	-	76.57
1 1/4	459-012BR	-	126.71
1 1/2	459-015BR	-	167.38
2	459-020BR	-	224.52

Code	Price
859-010BR	84.59
859-012BR	144.30
859-015BR	190.84
859-020BR	254.50

Code	Price
-	-
-	-
-	-
-	-

## Tee 90°

BSP Female Thread



### Standard Range

White Grey

Size	Code	Code	Price
1/2	-	02321	4.58
3/4	-	02322	5.09
1	-	02323	6.28
1 1/4	-	02324	9.28
1 1/2	-	02325	13.61
2	-	02326	20.23
2 1/2	-	02327	46.14
3	-	02328	60.88
4	-	-	-

### Industrial Range

Spears

Code	Price
805-005BT	9.16
805-007BT	11.78
805-010BT	15.86
805-012BT	28.35
805-015BT	36.74
805-020BT	61.74
805-025BT	105.20
805-030BT	150.95
805-040BT	251.62

### Industrial Range

Durapipe

Code	Price
02.125.102	15.03
02.125.103	19.70
02.125.104	26.20
02.125.105	46.94
02.125.106	61.11
02.125.107	103.11
02.125.108	174.62
02.125.109	250.69
02.125.110	417.49

## Tee 90°

NPT Female Thread



Size	Code	Code	Price
1/4	-	-	-
3/8	-	-	-
1/2	405-005	405-005G	5.53
3/4	405-007	405-007G	8.27
1	405-010	405-010G	12.14
1 1/4	405-012	405-012G	19.58
1 1/2	405-015	405-015G	18.48
2	405-020	405-020G	25.06
2 1/2	-	-	-
3	-	-	-
4	-	-	-

Code	Price
805-002	11.49
805-003	11.75
805-005	12.47
805-007	14.31
805-010	30.55
805-012	33.87
805-015	41.43
805-020	47.28
805-025	152.68
805-030	170.27
805-040	277.59

Code	Price
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

## Elbow 90°

BSP Female Thread



Size	Code	Code	Price
1/2	-	02301	3.03
3/4	-	02302	3.57
1	-	02303	4.76
1 1/4	-	02304	6.20
1 1/2	-	02305	9.22
2	-	02306/1	13.23
2 1/2	-	02307/1	39.11
3	-	02308/1	54.02
4	-	-	-

Code	Price
808-005BT	10.75
808-007BT	11.30
808-010BT	13.88
808-012BT	24.66
808-015BT	28.84
808-020BT	42.79
808-025BT	69.03
808-030BT	111.56
808-040BT	180.96

Code	Price
02.117.102	17.68
02.117.103	18.68
02.117.104	22.97
02.117.105	41.01
02.117.106	47.94
02.117.107	70.93
02.117.108	122.11
02.117.109	185.08
02.117.110	264.58

## Elbow 90°

NPT Female Thread



Size	Code	Code	Price
1/4	-	-	-
3/8	-	-	-
1/2	408-005	408-005G	3.22
3/4	408-007	408-007G	4.96
1	408-010	408-010G	9.90
1 1/4	408-012	408-012G	11.36
1 1/2	408-015	408-015G	14.44
2	408-020	408-020G	21.25
2 1/2	-	-	-
3	-	-	-
4	-	-	-

Code	Price
808-002	8.77
808-003	9.00
808-005	9.17
808-007	11.37
808-010	14.67
808-012	17.92
808-015	25.30
808-020	30.44
808-025	94.84
808-030	151.97
808-040	266.93

Code	Price
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

## Street Elbow 90°

NPT Female Thread  
x NPT Male Thread



Size	Code	Code	Price
1/2	412-005	412-005M*	3.66
3/4	412-007	412-007M*	4.78
1	412-010	412-010M*	7.66
1 1/4	412-012	412-012M*	9.90
1 1/2	412-015	412-015M*	11.20
2	412-020	-	20.36

Code	Price
-	-
-	-
-	-
-	-
-	-
-	-

Code	Price
-	-
-	-
-	-
-	-
-	-
-	-

\*Black Polyethylene

## Elbow 45°

BSP Female Thread



Size	Code	Code	Price
1/2	-	-	-
3/4	-	-	-
1	-	-	-
1 1/4	-	-	-
1 1/2	-	-	-
2	-	-	-
2 1/2	-	-	-
3	-	-	-
4	-	-	-

Code	Price
819-005BT	10.01
819-007BT	10.75
819-010BT	14.44
819-012BT	21.97
819-015BT	29.24
819-020BT	43.29
819-025BT	71.63
819-030BT	105.70
819-040BT	116.81

Code	Price
02.120.102	14.23
02.120.103	14.86
02.120.104	20.53
02.120.105	31.66
02.120.106	41.87
02.120.107	71.48
02.120.108	103.26
02.120.109	152.31
-	-

## Elbow 45°

NPT Female Thread



Size	Standard Range		Price	Industrial Range		Industrial Range	
	White	Grey		Spears		Durapipe	
	Code	Code		Code	Price	Code	Price
1/4	-	-		819-002	13.96	-	
3/8	-	-		819-003	14.04	-	
1/2	-	-		819-005	13.17	-	
3/4	-	-		819-007	14.67	-	
1	-	-		819-010	18.68	-	
1 1/4	-	-		819-012	28.20	-	
1 1/2	-	-		819-015	35.55	-	
2	-	-		819-020	52.73	-	
2 1/2	-	-		819-025	120.84	-	
3	-	-		819-030	171.35	-	
4	-	-		819-040	247.91	-	

## Socket

BSP Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/2	-	02050	3.16	830-005BT	11.30	02.102.102	18.68
3/4	-	02051	3.85	830-007BT	12.66	02.102.103	21.05
1	-	02052	4.50	830-010BT	15.15	02.102.104	25.03
1 1/4	-	02053	5.78	830-012BT	20.79	02.102.105	34.49
1 1/2	-	02054	6.95	830-015BT	23.91	02.102.106	39.66
2	-	02055	10.22	830-020BT	29.37	02.102.107	48.92
1 1/2	-	02056	23.30	830-025BT	63.33	02.102.108	97.31
3	-	02058	32.60	830-030BT	81.14	02.102.109	134.60
4	-	02059	52.96	830-040BT	143.02	02 102 110	220.02

## Socket

NPT Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/4	-	-		830-002	7.52	-	
3/8	-	-		830-003	7.67	-	
1/2	430-005	430-005G	1.76	830-005	7.67	-	
3/4	430-007	430-007G	2.90	830-007	10.83	-	
1	430-010	430-010G	4.22	830-010	12.14	-	
1 1/4	-	-		830-012	15.19	-	
1 1/2	-	-		830-015	31.69	-	
2	-	-		830-020	33.69	-	
2 1/2	-	-		830-025	78.76	-	
3	-	-		830-030	95.92	-	
4	-	-		830-040	161.80	-	

## Socket

Reinforced NPT Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/2	430-005SR	-	6.56	830-005SR	6.96	-	
3/4	430-007SR	-	9.00	830-007SR	9.91	-	
1	430-010SR	-	10.07	830-010SR	10.63	-	
1 1/4	430-012SR	-	12.82	830-012SR	13.57	-	
1 1/2	430-015SR	-	26.93	830-015SR	29.12	-	
2	430-020SR	-	29.21	830-020SR	31.14	-	

## Reducing Socket

BSP Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/2x3/8	-	-		830-073BT	9.00	-	
3/4x1/2	-	-		830-101BT	10.21	-	
1x3/4	-	-		830-131BT	12.13	-	
1 1/4x1	-	-		830-168BT	16.57	-	
1 1/2x1 1/4	-	-		830-212BT	19.16	-	
2x1 1/2	-	-		830-251BT	23.57	-	
2 1/2x2	-	-		830-292BT	50.66	-	
3x2 1/2	-	-		830-339BT	64.76	-	
4x3	-	-		830-422BT	112.58	-	

## threaded fittings inch sizes

2

### Union

BSP Female Thread  
EPDM O-Ring



#### Standard Range

Size	White		Price
	Code	Grey	
1/2	-	-	
3/4	-	-	
1	-	-	
1 1/4	-	-	
1 1/2	-	-	
2	-	-	
2 1/2	-	-	
3	-	-	
4	-	-	

#### Industrial Range

Spears	
Code	Price
898-005BT	24.66
898-007BT	26.72
898-010BT	38.17
898-012BT	46.95
898-015BT	65.99
898-020BT	92.89
898-025BT	147.05
898-030BT	260.27
898-040BT	288.65

#### Industrial Range

Durapipe	
Code	Price
02.203.102	41.01
02 203 103	44.24
02.203.104	63.36
02 203 105	78.13
02.203.106	109.66
02 203 107	154.24
-	-
-	-
-	-

### Union

NPT Female Thread  
EPDM O-Ring



Size	Code	Code	Price
1/4	-	-	
3/8	-	-	
1/2	498-005	498-005G	13.37
3/4	498-007	498-007G	21.64
1	498-010	498-010G	29.81
1 1/4	498-012	498-012G	50.19
1 1/2	498-015	498-015G	52.01
2	498-020	498-020G	64.09
2 1/2	498-025	-	99.59
3	498-030	-	159.25
4	498-040	-	223.02

Code	Price
898-002	25.66
898-003	26.00
898-005	16.08
898-007	23.10
898-010	30.93
898-012	56.77
898-015	69.96
898-020	108.05
-	-
898-030	271.31
898-040	330.97

Code	Price
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

### Union

NPT Female Thread  
FPM O-Ring



Size	Code	Code	Price
1/4	-	-	
3/8	-	-	
1/2	-	-	
3/4	-	-	
1	-	-	
1 1/4	-	-	
1 1/2	-	-	
2	-	-	
3	-	-	
4	-	-	

Code	Price
858-002	26.02
858-003	26.02
858-005	16.31
858-007	23.48
858-010	31.34
858-012	57.51
858-015	70.68
858-020	109.13
858-030	274.60
858-040	336.15

Code	Price
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

### Cap

BSP Female Thread



Size	Code	Code	Price
3/8	-	-	
1/2	-	02040	2.47
3/4	-	02041	2.72
1	-	02042	3.34
1 1/4	-	02043	4.68
1 1/2	-	02044	6.20
2	-	02045	8.28
2 1/2	-	02046	19.01
3	-	02047	30.83
4	-	02048	43.21

Code	Price
605000	8.06
605010	9.12
605020	9.39
605030	10.38
605040	12.67
605050	16.67
605060	20.19
848-025BT	60.17
848-030BT	79.89
848-040BT	91.14

Code	Price
02.141.101	14.43
02.141.102	18.48
02.141.103	21.29
02.141.104	22.31
02.141.105	23.35
02.141.106	30.87
02.141.107	38.77
-	-
02.141.109	132.57
-	-

### Cap

NPT Female Thread



Size	Code	Code	Price
1/4	-	-	
3/8	448-003	-	3.63
1/2	448-005	448-005G	2.12
3/4	448-007	448-007G	2.53
1	448-010	448-010G	4.22
1 1/4	448-012	448-012G	5.17
1 1/2	448-015	448-015G	5.53
2	448-020	448-020G	9.37
2 1/2	448-025	448-025G	14.67
3	448-030	448-030G	20.52
4	448-040	448-040G	34.05
5	448-050	-	64.09
6	448-060	-	75.45

Code	Price
848-002	7.67
848-003	7.67
848-005	7.90
848-007	9.00
848-010	11.49
848-012	14.04
848-015	16.51
848-020	31.14
848-025	61.93
848-030	76.17
848-040	130.35
-	-
-	-

Code	Price
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-



## Plug

BSP Male Thread



Standard Range				Industrial Range		Industrial Range	
	White	Grey		Spears		Durapipe	
Size	Code	Code	Price	Code	Price	Code	Price
3/8	-	-		605200	4.80	02.155.101	8.62
1/2	-	02019	1.66	605210	4.80	02.155.102	10.94
3/4	-	02020	2.15	605220	6.15	02.155.103	12.41
1	-	02021	2.85	605230	7.64	02.155.104	15.43
1 1/4	-	02022	3.68	605240	9.94	02.155.105	21.05
1 1/2	-	02023	5.00	605250	11.97	02.155.106	26.20
2	-	02024	5.88	605260	14.18	02.155.107	28.20
2 1/2	-	02025	9.96	605270	20.59	-	
3	-	02026	16.17	605280	28.89	-	
4	-	02027	30.67	605290	50.17	-	

## Plug

NPT Male Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/4	-	-		850-002	6.56	-	
3/8	450-003	450-003G	2.99	850-003	6.56	-	
1/2	450-005	450-005G	2.90	850-005	6.03	-	
3/4	450-007	450-007G	3.18	850-007	6.23	-	
1	450-010	450-010G	5.31	850-010	7.90	-	
1 1/4	450-012	450-012G	5.81	850-012	11.49	-	
1 1/2	450-015	450-015G	6.56	850-015	14.04	-	
2	450-020	450-020G	9.16	850-020	15.37	-	
2 1/2	450-025	450-025G	13.37	850-025	40.65	-	
3	450-030	450-030G	19.95	850-030	48.74	-	
4	450-040	450-040G	41.01	850-040	92.66	-	
6	450-060	-	114.64	850-060	120.09	-	

## Backnut

BSP Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/2	-	-		842-005BT	4.40	02.159.102	7.20
3/4	-	-		842-007BT	4.75	02.159.103	7.86
1	-	-		842-010BT	8.29	02.159.104	13.83
1 1/4	-	-		842-012BT	18.31	02.159.105	30.21
1 1/2	-	-		842-015BT	19.84	02.159.106	33.11
2	-	-		842-020BT	21.52	02.159.107	35.48
2 1/2	-	-		842-025BT	31.54	-	
3	-	-		842-030BT	35.34	-	
4	-	-		842-040BT	44.52	-	

## Nipple

BSP Male Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/4	-	-		880-015BT	3.38	-	
3/8	-	-		881-015BT	3.38	-	
1/2	-	-		882-020BT	2.84	-	
3/4	-	-		883-020BT	2.92	-	
1	-	-		884-030BT	5.26	-	
1 1/4	-	-		885-035BT	8.30	-	
1 1/2	-	-		886-035BT	9.44	-	
2	-	-		887-040BT	14.29	-	
2 1/2	-	-		888-050BT	32.90	-	
3	-	-		889-050BT	39.53	-	
4	-	-		890-060BT	60.11	-	
6	-	-		892-080BT	152.11	-	

## Hexagon Nipple

BSP Male Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/4	-	-		604190	4.63	-	
3/8	-	-		604200	4.63	02.106.101	8.62
1/2	-	-		604210	4.78	02.106.102	8.62
3/4	-	-		604220	5.45	02.106.103	11.53
1	-	-		604230	6.97	02.106.104	15.43
1 1/4	-	-		604240	8.83	02.106.105	21.29
1 1/2	-	02405	4.98	604250	10.76	02.106.106	23.35
2	-	02406	6.18	604260	12.29	02.106.107	29.18
2 1/2	-	-		840-025BT	37.67	93 106 108	62.72
3	-	-		840-030BT	54.03	93 106 109	89.25
4	-	-		840-040BT	76.69	93 106 110	127.44

## Reducer

BSP Male Thread  
x BSP Female Thread



### Standard Range

Size	White		Grey	Price
	Code	Code		
1/2x3/8	-	-	-	-
3/4x3/8	-	-	-	-
3/4x1/2	-	-	-	-
1x3/8	-	-	-	-
1x1/2	-	-	-	-
1x3/4	-	-	-	-
1.1/4x1/2	-	-	-	-
1.1/4x3/4	-	-	-	-
1.1/4x1	-	-	-	-
1.1/2x1/2	-	-	-	-
1.1/2x3/4	-	-	-	-
1.1/2x1	-	-	-	-
1.1/2x1.1/4	-	-	-	-
2x3/4	-	-	-	-
2x1	-	-	-	-
2x1.1/4	-	-	-	-
2x1.1/2	-	-	-	-
2.1/2x1.1/4	-	-	-	-
2.1/2x1.1/2	-	-	-	-
2.1/2x2	-	-	-	-
3x1.1/2	-	-	-	-
3x2	-	-	-	-
3x2.1/2	-	-	-	-
4x2	-	-	-	-
4x2.1/2	-	-	-	-
4x3	-	-	-	-

### Industrial Range

Spears	
Code	Price
839-073BT	5.10
839-099BT	7.36
839-101BT	7.73
839-129BT	9.86
839-130BT	10.40
839-131BT	10.40
839-166BT	12.66
839-167BT	12.66
839-168BT	12.66
-	-
839-210BT	15.33
839-211BT	15.33
839-212BT	15.33
-	-
839-249BT	24.45
839-250BT	24.45
839-251BT	24.45
839-290BT	39.25
839-291BT	39.25
839-292BT	39.25
839-337BT	48.69
839-338BT	48.69
839-339BT	48.69
839-420BT	78.66
839-421BT	78.66
839-422BT	78.66

### Industrial Range

Durapipe	
Code	Price
02.173.121	8.62
02.173.164	12.77
02.173.122	12.77
02.173.166	12.77
02.173.123	12.77
02.173.124	12.77
02.173.116	20.65
02.173.117	20.65
02.173.125	20.65
02.173.118	25.28
02.173.119	25.28
02.173.126	25.60
02.173.127	25.60
02.173.120	40.35
02.173.128	40.35
02.173.129	40.35
02.173.130	40.35
-	-
02.173.131	77.47
02.173.134	93.20
02.173.135	93.20
02.173.136	93.20
02.173.140	152.97
02.173.169	152.97
02.173.141	152.97

## Reducing Bush

BSP Male Thread  
x BSP Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
1/2x3/8	-	-	-	-	-	-	-
3/4x1/2	-	-	-	-	-	02.113.122	11.51
1x3/4	-	-	-	-	-	02.113.124	15.43
1.1/4x1	-	-	-	-	-	02.113.125	34.11
1.1/2x1.1/4	-	-	-	-	-	02.113.127	37.08
2x1.1/2	-	-	-	-	-	02.113.130	48.19

## Reducing Bush

NPT Male Thread  
x NPT Female Thread



Size	Code	Code	Price	Code	Price	Code	Price
3/8x1/4	439-052	-	4.78	839-052	12.25	-	-
1/2x1/8	439-071	-	4.96	-	-	-	-
1/2x1/4	439-072	-	4.96	839-072	12.47	-	-
1/2x3/8	439-073	-	4.78	839-073	12.25	-	-
3/4x1/4	439-098	-	3.19	839-098	9.37	-	-
3/4x3/8	439-099	-	3.19	839-099	9.37	-	-
3/4x1/2	439-101	439-101G	3.14	839-101	7.67	-	-
1x1/4	-	-	-	839-128	15.37	-	-
1x3/8	-	-	-	839-129	12.25	-	-
1x1/2	439-130	439-130G	4.78	839-130	12.25	-	-
1x3/4	439-131	439-131G	4.56	839-131	12.14	-	-
1.1/4x1/2	439-166	439-166G	7.13	839-166	13.57	-	-
1.1/4x3/4	439-167	439-167G	6.96	839-167	13.35	-	-
1.1/4x1	439-168	439-168G	6.96	839-168	13.17	-	-
1.1/2x1/2	439-209	-	8.63	839-209	15.97	-	-
1.1/2x3/4	439-210	439-210G	8.63	839-210	16.08	-	-
1.1/2x1	439-211	439-211G	8.63	839-211	15.97	-	-
1.1/2x1.1/4	439-212	439-212G	8.05	839-212	15.37	-	-
2x1/2	-	-	-	839-247	23.84	-	-
2x3/4	439-248	-	10.27	839-248	23.84	-	-
2x1	439-249	439-249G	10.27	839-249	23.84	-	-
2x1.1/4	439-250	439-250G	9.90	839-250	23.48	-	-
2x1.1/2	439-251	439-251G	9.37	839-251	23.10	-	-
2.1/2x2	439-292	-	29.81	839-292	31.88	-	-
3x1.1/2	-	-	-	839-337	46.14	-	-
3x2	439-338	-	38.11	839-338	45.40	-	-
3x2.1/2	439-339	-	37.02	839-339	43.96	-	-
4x2	-	-	-	839-420	91.16	-	-
4x3	-	-	-	839-422	112.02	-	-

## Reducer

BSP Female Thread  
x BSP Male Thread



## Reducing Hex Nipple

BSP Male Thread  
x BSP Male Thread



### Standard Range

Size	White		Price
	Code	Code	
1/2x3/8	-	-	
3/4x1/2	-	-	
1x3/4	-	-	
1.1/4x1	-	-	
1.1/2x1.1/4	-	-	
2x1.1/2	-	-	
2.1/2x2	-	-	
3x2.1/2	-	-	
4x3	-	-	

Size	Code	Code	Price
1/2x3/8	-	-	
3/4x1/2	-	-	
1x3/4	-	-	
1.1/4x1	-	-	
1.1/2x1/2	-	02453	4.97
1.1/2x3/4	-	02454	4.97
1.1/2x1	-	02455	4.97
1.1/2x1.1/4	-	02456	4.97
2x3/4	-	02457	6.19
2x1	-	02458	6.19
2x1.1/4	-	02459	6.19
2x1.1/2	-	02460	6.19
2.1/2x2	-	-	
3x2.1/2	-	-	
4x3	-	-	

### Industrial Range

Spears		Durapipe	
Code	Price	Code	Price
841-073BT	9.00	-	
841-101BT	10.21	02.174.122	16.36
841-131BT	12.13	02.174.124	16.76
841-168BT	16.57	02.174.125	22.65
841-212BT	19.16	02.174.127	25.28
841-251BT	23.57	02.174.130	37.49
841-292BT	50.66	02.174.131	66.95
841-337BT	64.76	02.174.136	87.34
841-422BT	112.58	02.174.141	140.55

Code	Price	Code	Price
531030	4.80	-	
531040	5.45	-	
531050	6.97	-	
531060	8.83	-	
-	-	-	
-	-	-	
-	-	-	
531070	10.76	-	
-	-	-	
-	-	-	
531080	12.29	-	
840-292BT	37.38	-	
840-339BT	44.24	-	
840-422BT	74.91	-	

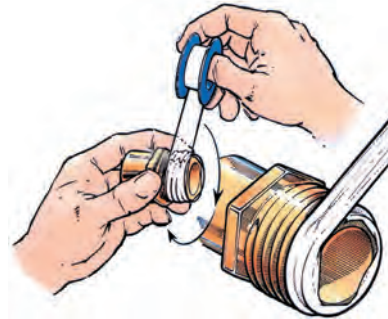


## Making Threaded Joints

We recommend the use of PTFE tape or Blue 75 Joint Compound for all threaded joints on plastic piping. Please check with our technical department before using any other type of pipe joint compounds, as these can cause stress cracking and lead to failure of the system.

When using PTFE tape, follow the following guidelines:

- Always wrap tape clockwise
- Apply 2 to 3 wraps
- Tighten hand-tight plus 1 1/2 to 2 turns
- Do not overtighten



### PTFE Tape

BS7786

Roll Size mm	Code	Price
12x12x0.075	767-120	1.33



### Blue 75

Size	Code	Price
1 Pint	768-301	34.49



BSP Female Threaded  
Outlet  
NBR Seal  
Zinc Plated Hardware



## White

Size	Code	Price
3x½	-	
3x¾	-	
3x1	-	
3x1¼	-	
3x1½	-	
3x2	-	
*4x½	-	
*4x¾	-	
*4x1	-	
*4x1¼	-	
*4x1½	-	
4x2	-	
5x½	-	
5x¾	-	
5x1	-	
5x1¼	-	
5x1½	-	
5x2	-	
*6x½	-	
*6x¾	-	
*6x1	-	
*6x1¼	-	
*6x1½	-	
6x2	-	

**Grey**

Code	Price
1540-09002	30.82
1540-09004	30.82
1540-09010	30.82
1540-09014	30.82
1540-09012	30.82
1540-09020	30.82
1540-11402	39.59
1540-11404	39.59
1540-11410	39.59
1540-11414	39.59
1540-11412	39.59
1540-11420	32.23
1540-14002	59.17
1540-14004	59.17
1540-14010	59.17
1540-14014	59.17
1540-14012	59.17
1540-14020	59.17
1540-16802	85.04
1540-16804	85.04
1540-16810	85.04
1540-16814	85.04
1540-16812	85.04
1540-16820	79.92

Note: colour black

**Grey**

[illegible]

Plain Socket Outlet  
EPDM O-Ring  
Zinc Plated Hardware



Size	Code	Price
2x½	466E-247	53.46
2x¾	466E-248	53.46
2x1	466E-249	53.46
2x1.¼	466E-250	53.86
2x1.½	466E-251	54.17
3x½	466E-333	70.32
3x¾	466E-334	69.96
3x1	466E-335	70.33
3x1.¼	466E-336	75.06
3x1.½	466E-337	74.67
3x2	466E-338	73.22
4x½	466E-415	91.54
4x¾	466E-416	91.16
4x1	466E-417	90.80
4x1.¼	466E-418	94.84
4x1.½	466E-419	94.12
4x2	466E-420	94.84
4x3	466E-422	129.63
6x½	466E-523	164.02
6x¾	466E-524	163.73
6x1	466E-525	163.34
6x1.¼	466E-526	171.35
6x1.½	466E-527	171.02
6x2	466E-528	169.54
6x3	466E-530	205.43
6x4	466E-532	221.19
8x½	-	
8x¾	-	
8x1	-	
8x1.¼	-	
8x1.½	-	
8x2	-	
8x3	-	
8x4	-	
8x6	-	
10x4	-	
10x6	-	
12x4	-	
12x6	-	

Code	Price
866-247	61.18
866-248	61.17
866-249	59.71
866-250	61.53
866-251	61.53
866-333	82.36
866-334	81.96
866-335	82.37
866-336	86.82
866-337	86.05
866-338	84.96
866-415	101.82
866-416	101.82
866-417	101.46
866-418	104.73
866-419	103.95
866-420	104.73
866-422	127.81
866-523	170.63
866-524	170.63
866-525	170.27
866-526	177.57
866-527	177.23
866-528	175.77
866-530	216.03
866-532	229.24
866-573	365.11
866-574	365.11
866-575	365.11
866-576	364.73
866-577	364.37
866-578	363.27
866-580	408.33
866-582	422.94
866-585	468.70
866-624	563.89
866-626	640.79
866-664	701.26
866-666	811.02

[illegible]

## PVC Clamp Saddle

Plain Socket Outlet  
EPDM O-Ring  
Stainless Steel  
Hardware



### Standard Range

#### White

Size	Code	Price
2x½	466SE-247	81.24
2x¾	466SE-248	81.24
2x1	466SE-249	81.63
2x1.¼	466SE-250	81.63
2x1.½	466SE-251	81.96
3x½	466SE-333	110.27
3x¾	466SE-334	110.27
3x1	466SE-335	110.27
3x1.¼	466SE-336	115.34
3x1.½	466SE-337	114.64
3x2	466SE-338	113.50
4x½	466SE-415	138.09
4x¾	466SE-416	138.09
4x1	466SE-417	137.34
4x1.¼	466SE-418	141.36
4x1.½	466SE-419	140.60
4x2	466SE-420	141.36
4x3	466SE-422	172.50
6x½	466SE-523	235.80
6x¾	466SE-524	235.42
6x1	466SE-525	235.42
6x1.¼	466SE-526	243.19
6x1.½	466SE-527	242.80
6x2	466SE-528	241.31
6x3	466SE-530	270.23
6x4	466SE-532	288.22

## PVC Saddle

Solvent Weld Fixing  
Plain Socket Outlet



Note:  
Non pressure rated  
drainage applications  
only

### Standard Range

#### White

Size	Code	Price
3x½	463-333	53.16
3x1	463-335	53.16
3x1.¼	463-336	53.16
3x1.½	463-337	47.99
3x2	463-338	54.93
4x½	463-415	68.48
4x1	463-417	68.48
4x1.¼	463-418	68.48
4x1.½	463-419	62.25
4x2	463-420	70.68
6x½	463-523	101.03
6x1	463-525	101.03
6x1.¼	463-526	101.05
6x1.½	463-527	92.24
6x2	463-528	102.53
6x4	463-532	128.91
8x½	463-573	146.16
8x1	463-575	146.16
8x1.¼	463-576	146.16
8x1.½	463-577	133.65
8x2	463-578	148.35
8x4	463-582	159.66
10x4	463-624	180.15

## PVC Clamp Saddle

Plain Socket Outlet  
EPDM O-Ring  
Stainless Steel  
Hardware



### Industrial Range

#### Grey

Size	Code	Price
2x½	866S-247	95.20
2x¾	866S-248	95.20
2x1	866S-249	94.12
2x1.¼	866S-250	95.59
2x1.½	866S-251	95.92
3x½	866S-333	128.91
3x¾	866S-334	128.53
3x1	866S-335	128.91
3x1.¼	866S-336	133.33
3x1.½	866S-337	132.55
3x2	866S-338	131.47
4x½	866S-415	167.38
4x¾	866S-416	166.96
4x1	866S-417	166.64
4x1.¼	866S-418	169.87
4x1.½	866S-419	169.54
4x2	866S-420	169.87
4x3	866S-422	190.01
6x½	866S-523	254.15
6x¾	866S-524	254.15
6x1	866S-525	253.78
6x1.¼	866S-526	261.08
6x1.½	866S-527	260.36
6x2	866S-528	259.26
6x3	866S-530	288.51
6x4	866S-532	303.18
8x½	866S-573	518.23
8x¾	866S-574	518.23
8x1	866S-575	518.23
8x1.¼	866S-576	518.23
8x1.½	866S-577	518.23
8x2	866S-578	518.23
8x3	866S-580	582.31
8x4	866S-582	602.83
8x6	866S-585	674.84
10x4	866S-624	806.56
10x6	866S-626	921.76
12x4	866S-664	1006.10
12x6	866S-666	1166.60

## PVC Clamp Saddle

Plain Socket Outlet  
FPM O-Ring  
Stainless Steel  
Hardware



### Industrial Range

#### Grey

Size	Code	Price
2x½	866SV-247	105.83
2x¾	866SV-248	105.83
2x1	866SV-249	104.73
2x1.¼	866SV-250	106.19
2x1.½	866SV-251	106.55
3x½	866SV-333	142.80
3x¾	866SV-334	142.49
3x1	866SV-335	142.80
3x1.¼	866SV-336	147.26
3x1.½	866SV-337	146.47
3x2	866SV-338	145.38
4x½	866SV-415	184.94
4x¾	866SV-416	184.56
4x1	866SV-417	184.21
4x1.¼	866SV-418	187.88
4x1.½	866SV-419	187.10
4x2	866SV-420	187.46
4x3	866SV-422	209.10
6x½	866SV-523	276.78
6x¾	866SV-524	276.78
6x1	866SV-525	276.49
6x1.¼	866SV-526	283.44
6x1.½	866SV-527	283.06
6x2	866SV-528	281.96
6x3	866SV-530	310.45
6x4	866SV-532	325.16
8x½	866SV-573	543.75
8x¾	866SV-574	543.75
8x1	866SV-575	543.75
8x1.¼	866SV-576	543.75
8x1.½	866SV-577	543.75
8x2	866SV-578	543.75
8x3	866SV-580	615.20
8x4	866SV-582	640.79
8x6	866SV-585	712.16
10x4	866SV-624	853.14
10x6	866SV-626	975.84
12x4	866SV-664	1063.75
12x6	866SV-666	1232.16





## Netvitc® clamp system

Netvitc is a unique system that is quick and easy to install using bolted clamp couplings. Similarly, the clamp couplings can easily be demounted so that piping can be repositioned or reused.

The clamp is manufactured from a tough, lightweight reinforced polypropylene and will withstand harsh, corrosive environments. The fittings are manufactured using either PVC-U or reinforced Polypropylene (for this range see PE section). Fittings are available with clamp connections so that the clamp can be bolted directly to the end without the need for pipe. They are also manufactured with solvent sockets or BSP threads to enable transition between the clamp system and pipe.

Butterfly valves, check valves and sight glasses are produced with clamp connections, allowing direct connection to clamp fittings.

The clamp system is pressure rated for use at a continuous working pressure of 10 bar at 20°C.

### Butterfly Valve

With clamps - inch solvent socket



Size	Code	Price
3	9N012	350.90
4	9N013	399.78
5/140	9N025	548.95
6	9N016	693.33
8	9N017	939.95

### Union

With clamps - inch solvent socket



Size	Code	Price
1¼	10333	51.74
1½	10334	55.77
2	10335	69.11
2½	10336	85.40
3	10337	111.64
4	10338	122.74
5	10340	218.65
6	10341	258.35
8	10342	424.75



### Valves

Please refer to the PVC-U valve section for details on the full range of clamp union valves.

### Clamp



Size	Code	Price
2"/63	1N910	8.90
2½"/75	1N911	11.25
3"/90	1N912	28.90
4"/110	1N913	30.33
5"/140	1N915	41.35
6"/160	1N916	55.49
8"/200	1N917	56.51



Simple mechanical connections to fittings and valves

### Sealing Ring



Size	Code	Price
2	98355	5.18
2½	98356	5.18
3	98352	5.41
*3	98387	35.53
4	98353	5.49
*4	98388	38.04
5	98354	10.97
*5	98390	50.09
6	98351	15.13
*6	98391	52.90
8	98357	53.44

\* Inner stainless steel (A-4) ring

## flexfit® pvc-u

Flex Fit is designed to enable secure leak-tight joints to be made in flexible PVC systems.

The Flex Fit system uses special compression fittings which give secure connections to other flexible pipes as well as rigid PVC-U or threaded joints, for example at pumps.

The pipe is manufactured in 50mm or 63mm sizes, and Flex Fit fittings are available to connect to both inch or mm sized rigid PVC-U fittings as well as BSP threads.



Pipe	Code	Price
50mm (25m Coil)	551350	12.75
63mm (25m Coil)	551363	18.23



Spigot Adaptor	Code	Price
50mm Solvent Spigot x 50mm Compression	550550	12.58
63mm Solvent Spigot x 63mm Compression	563550	20.10
1.½" Solvent Spigot x 50mm Compression	550551	13.19
2" Solvent Spigot x 63mm Compression	563551	20.99



Socket Adaptor	Code	Price
50mm Solvent Socket x 50mm Compression	550650	12.94
63mm Solvent Socket x 63mm Compression	563650	21.12
1.½" Solvent Socket x 50mm Compression	550651	13.19
2" Solvent Socket x 63mm Compression	563651	21.71



Connector	Code	Price
50mm Compression x 50mm Compression	551050	25.92
63mm Compression x 63mm Compression	563655	44.16



Male Threaded Adaptor	Code	Price
1.½" BSP Male x 50mm Compression	550750	14.20
2" BSP Male x 50mm Compression	550700	16.76
2" BSP Male x 63mm Compression	563750	22.23



Female Threaded Adaptor	Code	Price
1.½" BSP Female x 50mm Compression	551250	15.31
2" BSP Female x 63mm Compression	563755	23.46



Adaptor Elbow 90°	Code	Price
50mm Solvent Socket x 50mm Compression	550850	12.94
63mm Solvent Socket x 63mm Compression	563850	22.93
1.½" Solvent Socket x 50mm Compression	550851	13.59
2" Solvent Socket x 63mm Compression	563851	23.68
1.½" BSP Male x 50mm Compression	550900	15.89
2" BSP Male x 63mm Compression	563910	28.43



Elbow 90°	Code	Price
50mm Compression x 50mm Compression	550950	22.11
63mm Compression x 63mm Compression	563950	39.97



Adaptor Elbow 45°	Code	Price
50mm Solvent Socket x 50mm Compression	550960	13.84
1.½" Solvent Socket x 63mm Compression	550961	14.43



Adaptor Tee 90°	Code	Price
50mm Solvent Socket x 50mm Solvent Socket x 50mm Compression	550350	14.71
63mm Solvent Socket x 63mm Solvent Socket x 63mm Compression	563350	25.66
1.½" Solvent Socket x 1.½" Solvent Socket x 50mm Compression	550351	15.31
2" Solvent Socket x 2" Solvent Socket x 63mm Compression	563351	25.92



Tee 90°	Code	Price
50mm Compression x 50mm Compression x 50mm Compression	550450	33.29
63mm Compression x 63mm Compression x 63mm Compression	563450	54.55

Tools	Code	Price
1.½" Installation Key	550120	5.34
2" Installation Key	563120	7.18

## clear pvc-u

**Clear PVC-U is ideal for a wide range of Applications:**

- ✓ in laboratories, for a wide range of chemicals
- ✓ in food and pharmaceutical processing, with the backing of FDA approval
- ✓ in chemical processing, for resistance to a wide range of acids and mineral oils
- ✓ in photofinishing systems, where the material will not interact chemically with most solutions
- ✓ in electroplating, for complete visual control and protection. Harvel Clear is non-conductive
- ✓ WRAS listed for use in contact with cold potable water



### Clear Pipe - Inch Sizes

Plain Ended - 10 Feet Lengths

Schedule 40							Schedule 80						
Size	Average Bore (mm)	Max. WP (bar)	Weight (ft)	O.D. (mm)	Code	Price/ft	Average Bore (mm)	Max. WP (bar)	Weight (ft)	O.D. (mm)	Code	Price/ft	
¼	8.74	26.9	0.04	13.8	0400025-PL-1000	1.99	7.32	39	0.05	13.8	0800025-PL-1000	2.60	
⅜	12.01	21.4	0.05	17.2	0400038-PL-1000	2.65	10.34	31	0.06	17.2	0800038-PL-1000	3.65	
½	15.29	20.7	0.07	21.4	0400050-PL-1000	3.93	13.41	28	0.09	21.4	0800050-PL-1000	5.13	
¾	20.42	16.6	0.09	26.7	0400075-PL-1000	5.29	18.39	23	0.12	26.7	0800075-PL-1000	6.96	
1	26.14	15.2	0.14	33.4	0400100-PL-1000	7.87	23.75	22	0.18	33.4	0800100-PL-1000	10.27	
1¼	34.54	12.4	0.19	42.2	0400125-PL-1000	10.59	31.90	17	0.25	42.2	0800125-PL-1000	14.21	
1½	40.39	11.7	0.22	48.3	0400150-PL-1000	12.69	37.49	16	0.31	48.3	0800150-PL-1000	17.24	
2	51.99	9.7	0.30	60.3	0400200-PL-1000	17.10	48.59	13	0.42	60.3	0800200-PL-1000	23.76	
2½	62.10	10.3	0.47	73.0	0400250-PL-1000	26.92	58.14	13	0.65	73.0	0800250-PL-1000	36.05	
3	77.27	9.0	0.61	88.9	0400300-PL-1000	35.36	72.75	13	0.87	88.9	0800300-PL-1000	48.42	
3½	89.43	8.3	0.78	101.6	0400350-PL-1000	44.77					-		
4	101.55	7.6	0.93	114.3	0400400-PL-1000	52.93	96.16	11	1.26	114.3	0800400-PL-1000	70.81	
6	153.18	6.2	1.60	168.3	0400600-PL-1000	96.80	145.00	9	2.42	168.3	0800600-PL-1000	134.47	
6	161.93	3.1	0.70	168.3	0400613-PL-1000	61.44					-		
8	201.75	5.5	2.41	219.1	0400800-PL-1000	144.93					-		
10	254.51	4.8	3.42	273.0	0401000-PL-1000	233.54					-		
12	301.98	4.8	4.79	323.8	0401200-PL-1000	299.09					-		

### Clear Pipe - MM Sizes

Plain Ended - 5 Metre Lengths

Size O.D.	Wall (mm)	Weight	Max WP Bar	Code	Price
8	1	0.035	25	01.401.5000.0810	4.48
10	1.2	0.053	25	01.401.5000.1012	4.90
12	1	0.055	16	01.401.5000.1210	5.01
12	1.4	0.073	25	01.401.5000.1214	6.29
16	1.2	0.090	16	01.401.5000.1612	6.29
20	1.5	0.137	16	01.401.5000.2015	9.12
25	1.5	0.174	10	01.401.5000.2515	12.56
25	1.9	0.212	16	01.401.5000.2519	13.26
32	1.8	0.264	10	01.401.5000.3218	14.51
32	2.4	0.342	16	01.401.5000.3224	17.16
40	2	0.366	10	01.401.5000.4020	20.65
40	3	0.525	16	01.401.5000.4030	27.80
50	1.8	0.422	6	01.401.5000.5018	24.40
50	2.4	0.552	10	01.401.5000.5024	25.82
50	3.7	0.809	16	01.401.5000.5037	46.62
63	1.8	0.532	4	01.401.5000.6318	36.30
63	3	0.854	10	01.401.5000.6330	39.63
63	4.7	1.290	16	01.401.5000.6347	72.31
75	1.8	0.642	4	01.401.5000.7518	41.88
75	3.6	1.220	10	01.401.5000.7536	69.48
90	1.8	0.774	4	01.401.5000.9018	43.54
90	4.3	1.750	10	01.401.5000.9043	99.11
110	2.2	1.160	4	01.401.5000.1122	58.90
110	5.3	2.610	10	01.401.5000.1153	144.55
125	2.5	1.480	4	01.401.5000.1225	108.84
140	2.8	1.840	4	01.401.5000.1428	141.46
160	3.2	2.410	4	01.401.5000.1632	159.35
160	4.7	3.440	6	01.401.5000.1647	241.11



#### Solvent Welding

Clear PVC-U pipes and fittings can be joined using our standard range of solvent cements.



### Tee 90°



Size	Code	Price
1/4	401-002L	23.58
3/8	401-003L	23.58
1/2	401-005L	17.79
3/4	401-007L	20.23
1	401-010L	38.05
1 1/4	401-012L	59.63
1 1/2	401-015L	72.18
2	401-020L	105.02
2 1/2	401-025L	345.25
3	401-030L	453.38
4	401-040L	819.51
6	401-060L	1639.01
8	401-080L	2950.20

### Elbow 90°



Size	Code	Price
1/4	406-002L	19.19
3/8	406-003L	19.19
1/2	406-005L	14.46
3/4	406-007L	15.86
1	406-010L	28.75
1 1/4	406-012L	50.63
1 1/2	406-015L	53.72
2	406-020L	85.10
2 1/2	406-025L	258.09
3	406-030L	308.61
4	406-040L	552.74
6	406-060L	1105.43
8	406-080L	1991.22

### Elbow 45°



Size	Code	Price
1/4	417-002L	30.69
3/8	417-003L	30.69
1/2	417-005L	23.37
3/4	417-007L	36.29
1	417-010L	43.24
1 1/4	417-012L	61.42
1 1/2	417-015L	76.42
2	417-020L	99.38
2 1/2	417-025L	258.39
3	417-030L	401.03
4	417-040L	720.16
6	417-060L	1440.25
8	417-080L	2590.96

### Wye



Size	Code	Price
1 1/2	475-015L	105.71
2	475-020L	155.56
3	475-030L	648.63
4	475-040L	1178.69
6	475-060L	2015.60

### 90° Street Elbow



Size	Code	Price
1/2	409-005L	14.47
3/4	409-007L	15.85
1	409-010L	28.73
1 1/4	409-012L	50.63
1 1/2	409-015L	53.72
2	409-020L	85.10
2 1/2	409-025L	258.09

### 45° Street Elbow



Size	Code	Price
1/2	427-005L	23.37
3/4	427-007L	36.29
1	427-010L	43.24
1 1/4	427-012L	61.42
1 1/2	427-015L	76.42
2	427-020L	99.38
2 1/2	427-025L	258.39
3	427-030L	401.03
4	427-040L	720.16

### Socket



Size	Code	Price
1/4	429-002L	12.94
3/8	429-003L	12.94
1/2	429-005L	9.59
3/4	429-007L	12.92
1	429-010L	22.36
1 1/4	429-012L	30.54
1 1/2	429-015L	32.77
2	429-020L	51.30
2 1/2	429-025L	111.94
3	429-030L	175.44
4	429-040L	253.55
6	429-060L	507.37
8	429-080L	911.94

### Reducing Bush



Size	Code	Price
3/4x1/2	437-101L	15.00
1x3/4	437-131L	27.34
1 1/4x1	437-168L	36.29
1 1/2x1	437-211L	38.05
1 1/2x1 1/4	437-212L	38.05
2x1 1/2	437-251L	63.16
2 1/2x2	437-292L	101.48
3x2	437-338L	150.34
3x2 1/2	437-339L	150.34
4x3	437-422L	335.49
6x4	437-532L	751.49
8x6	437-585L	1208.35

### Cap



Size	Code	Price
1/4	447-002L	17.31
3/8	447-003L	17.31
1/2	447-005L	12.92
3/4	447-007L	15.00
1	447-010L	23.58
1 1/4	447-012L	32.77
1 1/2	447-015L	36.29
2	447-020L	43.62
2 1/2	447-025L	138.80
3	447-030L	151.68
4	447-040L	310.69
6	447-060L	622.48
8	447-080L	1119.39

### Adaptor Socket

Plain Socket x NPT  
Female Thread st/st  
Reinforced



Size	Code	Price
1/4	435-002SRL	27.02
3/8	435-003SRL	27.02
1/2	435-005SRL	16.03
3/4	435-007SRL	20.07
1	435-010SRL	23.20
1 1/4	435-012SRL	35.56
1 1/2	435-015SRL	41.86
2	435-020SRL	56.18
2 1/2	435-025SRL	116.50
3	435-030SRL	190.08
4	435-040SRL	314.57

### Male Adaptor

Plain Socket x NPT Male  
Thread



Size	Code	Price
3/8	436-003L	17.31
1/2	436-005L	12.92
3/4	436-007L	14.47
1	436-010L	25.49
1 1/4	436-012L	30.70
1 1/2	436-015L	41.52
2	436-020L	54.39
2 1/2	436-025L	160.78
3	436-030L	234.66
4	436-040L	299.59



# hose insert fittings

2

Spears hose insert fittings are designed for use with flexible PVC and Polyethylene pipes. Pipes should be fixed in place using an external clamp or clip over the barbed ends, to eliminate seepage.

## Tee 90°

Hose Spigot x Hose  
Spigot x Hose Spigot



Size	Code	Price
½	1401-005	4.45
¾	1401-007	4.87
1	1401-010	6.38
1¼	1401-012	9.81
1½	1401-015	11.12
2	1401-020	21.89

## Tee 90°

Hose Spigot x Hose  
Spigot x Female  
NPT Thread



Size	Code	Price
½	1402-005	4.87
¾	1402-007	7.27
1	1402-010	8.58
1¼	1402-012	12.56
1½	1402-015	21.75
2	1402-020	26.91

## Reducing Tee 90°

Hose Spigot x Hose  
Spigot x Hose Spigot



Size	Code	Price
½x¾	1401-074	11.98
¾x½x½	1401-094	6.07
¾x½	1401-101	5.50
¾x1	1401-102	13.93
1x¾x½	1401-124	8.73
1x¾x¾	1401-125	10.50
1x½	1401-130	6.50
1x¾	1401-131	6.50
1x1¼	1401-132	19.38
1¼x1x½	1401-156	11.98
1¼x1x¾	1401-157	11.98
1¼x1x1	1401-158	11.98
1¼x½	1401-166	8.40
1¼x¾	1401-167	8.40
1¼x1	1401-168	8.40
1½x1¼x¾	1401-201	14.93
1½x1¼x1	1401-202	14.93
1½x1¼x1¼	1401-203	14.93
1½x½	1401-209	14.66
1½x¾	1401-210	14.66
1½x1	1401-211	14.66
1½x1¼	1401-212	14.66
2x1½x1½	1401-241	19.38
2x½	1401-247	20.72
2x¾	1401-248	20.72
2x1	1401-249	20.72
2x1¼	1401-250	21.75
2x1½	1401-251	22.44

## Tee 90°

Hose Spigot x Hose  
Spigot x Male NPT  
Thread



Size	Code	Price
½	1403-005	6.18
¾	1403-007	8.40
1	1403-010	10.78
1¼	1403-012	13.93
1½	1403-015	15.72
2	1403-020	24.22

## Coupling

Hose Spigot x Hose  
Spigot



Size	Code	Price
½	1429-005	2.13
¾	1429-007	2.44
1	1429-010	2.57
1¼	1429-012	3.87
1½	1429-015	4.62
2	1429-020	8.58
3	1429-030	37.84
4	1429-040	51.43

## Reducing Coupling

Hose Spigot x Hose  
Spigot



Size	Code	Price
¾x½	1429-101	3.40
1x½	1429-130	4.69
1x¾	1429-131	3.54
1¼x¾	1429-167	7.07
1¼x1	1429-168	5.50
1½x¾	1429-210	8.58
1½x1	1429-211	8.28
1½x1¼	1429-212	6.50
2x1	1429-249	11.98
2x1¼	1429-250	10.97
2x1½	1429-251	10.36

## Reducing Tee 90°

Hose Spigot x Hose  
Spigot x Female  
NPT Thread



Size	Code	Price
¾x½x½	1402-094	7.82
¾x½	1402-101	6.07
1x¾x½	1402-124	9.90
1x¾x¾	1402-125	11.66
1x½	1402-130	7.99
1x¾	1402-131	7.99
1x1x½	1402-156	14.48
1¼x1x¾	1402-157	17.00
1¼x½	1402-166	10.78
1¼x¾	1402-167	11.86
1¼x1	1402-168	12.56
1½x1¼x½	1402-199	22.77
1½x1¼x¾	1402-201	25.43
1½x1¼x1	1402-202	29.11
1½x½	1402-209	16.57
1½x¾	1402-210	19.48
1½x1	1402-211	19.48
1½x1¼	1402-212	20.09
2x½	1402-247	22.15
2x¾	1402-248	23.38
2x1	1402-249	25.73
2x1½	1402-251	26.91

## Plug

Hose Spigot



Size	Code	Price
½	1449-005	4.03
¾	1449-007	4.22
1	1449-010	5.65
1¼	1449-012	7.27
1½	1449-015	7.72
2	1449-020	13.86

## Elbow 90°

Hose Spigot x Hose  
Spigot



Size	Code	Price
½	1406-005	4.17
¾	1406-007	5.02
1	1406-010	5.50
1¼	1406-012	6.18
1½	1406-015	7.27
2	1406-020	10.19
2½	1406-025	45.53

## Cross

Hose Spigot x Hose  
Spigot x Hose  
Spigot x Hose Spigot



Size	Code	Price
¾	1420-007	11.66
1	1420-010	11.96



**Reducing Elbow 90°**

Hose Spigot x Female NPT Thread



Size	Code	Price
¾x½	1407-101	4.69
1x1½	1407-130	5.02
1x1¾	1407-131	5.76
1.¼x½	1407-166	8.58
1.¼x¾	1407-167	8.58
1.¼x1	1407-168	8.58
1.½x1	1407-211	9.81
1.½x1.¼	1407-212	10.64
2x1.½	1407-251	17.16

**Elbow 90°**

Hose Spigot x Male NPT Thread



Size	Code	Price
½	1413-005	5.19
¾	1413-007	7.07
1	1413-010	9.28
1.¼	1413-012	12.43
1.½	1413-015	16.43
2	1413-020	25.73

**Female Adaptor**

Hose Spigot x Female NPT Thread



Size	Code	Price
½	1435-005	9.84
¾	1435-007	10.79
1	1435-010	11.95
1.¼	1435-012	14.52
1.½	1435-015	18.53
2	1435-020	31.28

**Reducing Male Adaptor**

Male NPT Thread x Hose Spigot



Size	Code	Price
½x¾	1436-074	6.50
¾x1½	1436-101	5.91
¾x1	1436-102	6.67
1x¾	1436-131	6.07
1x1.¼	1436-132	8.13
1x1.½	1436-133	12.25
1.¼x¾	1436-167	7.07
1.¼x1	1436-168	7.70
1.¼x1.½	1436-169	12.25
1.½x1	1436-211	9.28
1.½.1.¼	1436-212	9.28
1.½x2	1436-213	15.72
2x1.½	1436-251	15.50

**Male Adaptor**

Hose Spigot x Male NPT Thread



Size	Code	Price
½x½	1436-005	2.09
¾	1436-007	2.44
1	1436-010	2.56
1.¼	1436-012	4.17
1.½	1436-015	4.62
2	1436-020	8.73
2.½	1436-025	35.76
3	1436-030	41.15
4	1436-040	57.39

**Hose Adaptor**

Hose x BSP Male Thread



Size	Code	Price
14/12x¼	607100	4.88
18/16x¾	607110	4.88
22/20x½	607120	5.06
28/25x¾	607130	6.30
34/31x1	607140	7.11
43/40x1.¼	607150	9.55
53/50x1.½	607160	13.21
66/60x2	607170	19.76

\*Maximum pressure 10 bar

**Polypropylene****Elbow 90°**

Female BSP Threaded Nut &amp; Seal x Hose Insert



Size	Code	Price
½x12	1407-005012	6.35
¾x20	1407-007020	7.60
1x25	1407-010025	8.85
1.¼x32	1407-012032	11.11
1.½x40	1407-015038	16.19
2x50	1407-020050	20.24

**Elbow 90°**

Male BSP Thread x Hose Insert



Size	Code	Price
¾x12	1413-003012	3.96
½x12	1413-005012	4.08
½x16	1413-005016	4.52
½x20	1413-005020	5.01
¾x12	1413-007012	4.17
¾x20	1413-007020	4.86
¾x25	1413-007025	5.78
1x20	1413-010020	6.70
1x25	1413-010025	5.78
1x32	1413-010032	7.46
1.¼x32	1413-012032	7.81
1.½x40	1413-015040	10.03
2x51	1413-050051	12.56

**Male Adaptor**

Male BSP Thread x Hose Insert



Size	Code	Price
¼x7	1436-002007	1.91
¼x12	1436-002012	2.08
¾x10	1436-003010	2.08
¾x12	1436-003012	2.11
¾x16	1436-003016	2.63
½x13	1436-005013	2.37
½x16	1436-005016	2.63
½x20	1436-005020	2.71
¾x10	1436-007010	2.63
¾x13	1436-007013	2.82
¾x16	1436-007016	2.63
¾x20	1436-007020	2.82
¾x25	1436-007025	3.18
1x20	1436-010020	3.29
1x25	1436-010025	3.62
1x32	1436-010032	4.86
1.¼x20	1436-012020	7.35
1.¼x25	1436-012025	5.10
1.¼x32	1436-012032	6.43
1.¼x40	1436-012040	7.91
1.½x38	1436-015038	8.39
1.½x50	1436-015050	8.98
2x50	1436-020050	10.20
3x75	1436-030075	19.55
4x100	1436-040100	22.06

**Female Adaptor**

Hose Spigot x Female BSP Thread



Size	Code	Price
¾x10	1435-003010	3.75
½x13	1435-005013	4.33
¾x13	1435-007013	4.52
¾x20	1435-007020	4.86
1x20	1435-010020	4.86
1x25	1435-010025	5.33
1.¼x25	1435-012025	5.45
1.¼x32	1435-012032	7.01
1.½x40	1435-015040	9.61
2x50	1435-020050	12.68
3x75	1435-030076	29.20
4x100	1435-040100	40.04

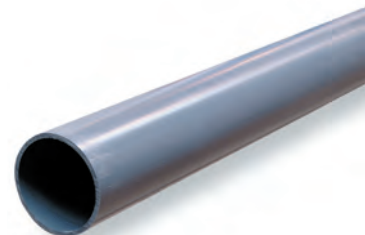
## Pipe EN 1452

Plain Ended - 5 Metre Lengths



Size	PN7.5		PN10		PN12.5		PN16	
	Code	Price	Code	Price	Code	Price	Code	Price
12	-		-		-		PVC012PE16	on application
16	-		-		-		PVC016PE16	3.13
20	-		-		-		PVC020PE16	3.86
25	-		PVC025PE10	4.27	PVC025PE12	on application	PVC025PE16	5.32
32	-		PVC032PE10	6.57	PVC032PE12	on application	PVC032PE16	8.59
40	-		PVC040PE10	8.74	PVC040PE12	on application	PVC040PE16	13.44
50	-		PVC050PE10	12.94	PVC050PE12	on application	PVC050PE16	20.39
63	PVC063PE75	on application	PVC063PE10	20.89	PVC063PE12	on application	PVC063PE16	32.73
75	PVC075PE75	on application	PVC075PE10	29.81	PVC075PE12	on application	PVC090PE16	63.21
90	PVC090PE75	on application	PVC090PE10	41.95	PVC090PE12	on application	PVC110PE16	95.61
110	PVC110PE75	on application	PVC110PE10	65.77	PVC110PE12	on application	PVC125PE16	112.73
125	PVC125PE75	on application	PVC125PE10	77.45	PVC125PE12	on application	PVC140PE16	on application
140	PVC140PE75	on application	PVC140PE10	94.48	PVC140PE12	on application	PVC160PE16	217.76
160	PVC160PE75	on application	PVC160PE10	128.08	PVC160PE12	on application	-	
200	PVC200PE75	on application	PVC200PE10	223.47	-		-	
225	PVC225PE75	on application	PVC225PE10	240.11	-		-	
250	PVC250PE75	on application	PVC250PE10	282.96	-		-	
280	PVC280PE75	on application	PVC280PE10	on application	-		-	
315	PVC315PE75	on application	PVC315PE10	on application	-		-	
400	PVC400PE75	on application	-		-		-	
500	PVC500PE75	on application	-		-		-	
630	PVC630PE75	on application	-		-		-	

Please note that a transportation surcharge may be applied on pipe diameters 280mm or larger - please enquire for details.



## Pipework Support

PVC-U pipework requires more support than for metallic systems.

As working temperature increases, the distance between supports is reduced. At 60°C, continuous support is required.

## Support centres/m

PN16 pipe size	20°C	40°C
16	0.6	0.6
20	0.8	0.7
25	0.8	0.7
32	0.9	0.8
40	1.0	0.9
50	1.1	1.0
63	1.2	1.1
90	1.5	1.4
110	1.7	1.5
160	2.1	1.9
225	2.5	2.3
280	2.9	2.6
315	3.1	2.8
400	3.4	3.1
450	3.7	3.3

## Temperature De-Rating Factors

Pressure ratings for PVC-U pipework systems are always quoted at 20°C. As the working temperature increases, the maximum working pressure decreases by the factor indicated.

Working Temperature (°C)	Pressure De-Rating Factor
20	1.00
30	0.80
40	0.58
50	0.39
60	0.22



## Industrial vs Standard Range

Industrial range fittings are engineered to meet the most demanding applications. Standard range fittings are designed for applications handling water or weak chemicals. Pressure ratings and standards:

## Industrial Range

Size 10mm-160mm PN16 at 20°C  
Size 200mm-450mm PN10 at 20°C  
Size 500mm PN6 at 20°C

## Standard Range

Size 20mm-140mm PN16 at 20°C  
Size 160mm-400mm PN10 at 20°C

# pvc-u pipe availability: mm sizes

2

	Type	EN 1452 - 1						DIN 8061/2				
		PN 6	PN 7.5	PN10	PN 12.5	PN 16	PN 20	PN 4	PN 6	PN 10	PN 16	PN 20
12 mm	O.D. (mm)						12.0				12.0	12.0
	Wall (mm)						1.5				1.0	1.4
	Max WP (bar)						20.0				16.0	20.0
	Weight/m (kg)						0.1				0.1	0.1
16 mm	O.D. (mm)						16.0				16.0	16.0
	Wall (mm)						1.5				1.2	1.8
	Max WP (bar)						20.0				16.0	20.0
	Weight/m (kg)						0.1				0.1	0.1
20 mm	O.D. (mm)					20.0	20.0				20.0	20.0
	Wall (mm)					1.5	1.9				1.5	2.3
	Max WP (bar)					16.0	20.0				16.0	20.0
	Weight/m (kg)					0.1	0.2				0.1	0.2
25 mm	O.D. (mm)			25.0		25.0	25.0			25.0	25.0	25.0
	Wall (mm)			1.5		1.9	2.3			1.5	1.9	2.8
	Max WP (bar)			12.5		16.0	20.0			10.0	16.0	20.0
	Weight/m (kg)			0.2		0.2	0.2			0.2	0.2	0.3
32 mm	O.D. (mm)			32.0	32.0	32.0	32.0			32.0	32.0	32.0
	Wall (mm)			1.6	1.9	2.4	2.9			1.8	2.4	3.6
	Max WP (bar)			10.0	12.5	16.0	20.0			10.0	16.0	20.0
	Weight/m (kg)			0.3	0.3	0.3	0.4			0.3	0.3	0.5
40 mm	O.D. (mm)		40.0	40.0	40.0	40.0	40.0		40.0	40.0	40.0	40.0
	Wall (mm)		1.8	1.9	2.4	3.0	3.7		1.8	1.9	3.0	4.5
	Max WP (bar)		7.5	10.0	12.5	16.0	20.0		6.0	10.0	16.0	20.0
	Weight/m (kg)		0.3	0.4	0.5	0.5	0		0.4	0.4	0.5	0.8
50 mm	O.D. (mm)	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
	Wall (mm)	1.5	2.0	2.4	3.0	3.7	4.6	1.8	2.4	3.7	5.6	
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0	6.0	10.0	16.0	20.0	
	Weight/m (kg)	0.5	0.5	0.6	0.7	0.8	1.0	0.4	0.6	0.8	1.2	
63 mm	O.D. (mm)	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
	Wall (mm)	1.5	2.0	3.0	3.8	4.7	5.8	1.9	3.0	4.7	7.0	
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0	6.0	10.0	16.0	20.0	
	Weight/m (kg)	0.6	0.6	0.9	1.1	1.3	1.7	0.6	0.9	1.3	1.8	
75 mm	O.D. (mm)	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	Wall (mm)	2.2	2.2	3.6	4.5	5.6	6.8	1.8	2.2	3.6	5.6	8.4
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0	4.0	6.0	10.0	16.0	20.0
	Weight/m (kg)	0.8	0.8	1.3	1.6	1.9	2.3	0.6	0.8	1.2	1.8	2.6
90 mm	O.D. (mm)	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	Wall (mm)	2.7	2.7	4.3	5.4	6.7	8.2	1.8	2.7	4.3	6.7	10.0
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0	4.0	6.0	10.0	16.0	20.0
	Weight/m (kg)	1.2	1.2	1.8	2.3	2.7	3.3	0.8	1.1	1.8	2.6	3.7
110 mm	O.D. (mm)	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
	Wall (mm)	2.7	3.3	4.2	5.3	6.6	8.1	2.2	3.2	5.3	8.2	12.3
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0	4.0	6.0	10.0	16.0	20.0
	Weight/m (kg)	1.4	1.7	2.1	2.7	3.2	4.0	1.2	1.6	2.6	3.9	5.6
125 mm	O.D. (mm)	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0
	Wall (mm)	3.0	3.7	4.8	6.0	7.4	9.2	2.5	3.7	6.0	9.3	
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0	4.0	6.0	10.0	16.0	
	Weight/m (kg)	1.8	2.2	2.8	3.4	4.1	5.1	1.5	2.1	3.3	5.0	
140 mm	O.D. (mm)	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
	Wall (mm)	3.5	4.1	5.4	6.7	8.3	10.3	2.8	4.1	6.7	10.4	
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0	4.0	6.0	10.0	16.0	
	Weight/m (kg)	2.3	2.7	3.5	4.3	5.2	6.4	1.8	2.7	4.2	6.3	
160 mm	O.D. (mm)	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
	Wall (mm)	4.0	4.7	6.2	7.7	9.5	11.8	3.2	4.7	7.7	11.9	
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0	4.0	6.0	10.0	16.0	
	Weight/m (kg)	3.0	3.6	4.6	5.7	6.7	8.4	2.4	3.4	5.5	8.2	
180 mm	O.D. (mm)	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
	Wall (mm)	4.4	5.3	6.9	8.6	10.7	13.3	3.6	5.3	8.6	13.4	
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0	4.0	6.0	10.0	16.0	
	Weight/m (kg)	3.8	4.5	5.7	7.1	8.5	10.6	3.0	4.4	6.9	10.4	
200 mm	O.D. (mm)	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
	Wall (mm)	4.9	5.9	7.7	9.6	11.9	14.7	4.0	5.9	9.6	14.9	
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0	4.0	6.0	10.0	16.0	
	Weight/m (kg)	4.6	5.6	7.1	8.8	10.5	13.0	3.7	5.4	8.5	13.2	
225 mm	O.D. (mm)	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0
	Wall (mm)	5.5	6.6	8.6	10.8	13.4	16.6	4.5	6.6	10.8	16.7	
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0	4.0	6.0	10.0	16.0	
	Weight/m (kg)	5.8	7.0	8.9	11.1	13.4	16.6	4.7	6.7	10.8	16.1	
250 mm	O.D. (mm)	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
	Wall (mm)	6.2	7.3	9.6	11.9	14.8	18.4	4.9	7.3	11.9	18.0	
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0	4.0	6.0	10.0	16.0	
	Weight/m (kg)	7.4	8.7	11.0	13.6	16.2	20.1	5.7	8.3	13.2	20.6	
280 mm	O.D. (mm)	280.0	280.0	280.0	280.0	280.0	280.0	280.0	280.0	280.0	280.0	280.0
	Wall (mm)	6.9	8.2	10.7	13.4	16.6	20.6		8.2	13.4	20.8	
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0		6.0	10.0	16.0	
	Weight/m (kg)	9.1	10.9	13.8	17.3	20.6	25.6		10.2	16.6	25.8	
315 mm	O.D. (mm)	315.0	315.0	315.0	315.0	315.0	315.0	315.0	315.0	315.0	315.0	315.0
	Wall (mm)	7.7	9.2	12.1	15.0	18.7	23.2	6.2	9.2	15.0	23.4	
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0	4.0	6.0	10.0	16.0	
	Weight/m (kg)	11.5	13.7	17.5	21.7	26.1	32.3	9.0	13.2	20.9	32.6	
400 mm	O.D. (mm)	400.0	400.0	400.0	400.0	400.0	400.0		400.0	400.0	400.0	400.0
	Wall (mm)	9.8	11.7	15.3	19.1	23.7	29.4		11.7	19.1	29.7	
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0		6.0	10.0	16.0	
	Weight/m (kg)	18.6	22.2	27.7	34.5	39.3	48.8		19.6	31.7	49.3	
500 mm	O.D. (mm)	500.0	500.0	500.0	500.0	500.0	500.0		500.0	500.0		
	Wall (mm)	12.3	14.6	19.1	23.9	29.7	36.8		14.6	23.9		
	Max WP (bar)	6.0	7.5	10.0	12.5	16.0	20.0		6.0	10.0		
	Weight/m (kg)	29.4	34.9	41.3	51.7	64.3	79.6		31.6	51.7		
630 mm	O.D. (mm)	630.0	630.0	630.0	630.0				630.0			
	Wall (mm)	15.4	18.4	24.1	30.0				18.4			
	Max WP (bar)	6.0	7.5	10.0	12.5				6.0			
	Weight/m (kg)	41.0	49.0	64.2	79.9				49.0			



# standard and industrial pipe fittings



Photo: Chlor Generators Ltd

Available in a wide range of mm sizes from 10mm to 500mm, and in a choice of pressure ratings from 6 bars to 16 bars, the range offers a wide selection of products to fulfil applications ranging from irrigation to chemical process systems.

MM sized fittings meet the requirements of DIN 8063, and are produced from tin based stabilised compounds as required for potable water applications.



## WELD-ON 719 Cement

Size	Code	Price
473ml tin	719-300	35.02



## WELD-ON 724 Cement\*

Size	Code	Price
500ml tin	724-301	43.02

\* For chemical applications see page 22 for details



## WELD-ON WET 'R DRY 725

Size	Code	Price
473ml tin	725-300	33.42
240ml tin	725-400	19.62



## P-70 Primer

Size	Code	Price
Pint (473ml) tin	770-300	33.40



## Cleaning Fluid

Size	Code	Price
473ml	765-300	18.31

All WELD-ON cements, primers and cleaning fluids are now LOW VOC



## How much Solvent Cement?

Estimate the number of joints per size, then use this table to calculate how much solvent cement to order.

inch dia	mm dia	joints per litre
1/4 - 1/2	10-20	160
3/4 - 1	25-30	120
1 1/4 - 2	40-63	80
2 1/2 - 3	75-90	60
4	110	40
5-6	140-160	24
8	200-225	12
10	250-280	4
12	315	2

Larger sizes on request.  
You will require approximately half as much cleaner.

## Brushes

Size	Code	Price
4mm	L151/4R	1.93
8mm	L151/8R	2.71
25x10	565/1	2.98
50x10	565/2	6.83
75x10	565/3	17.96

## What size Brush?

It is important to use the correct size brush to apply solvent cement.

pipe size	brush size
10-32mm	8mm round
40-63mm	25 x 3mm flat
75-140mm	50 x 5mm flat
160-315mm	75 x 10mm flat

Special applicators are available for large size joints. See page 51.  
Please enquire for details.





## Tee 90°



### Standard Range

Size	Code	Price
10	-	
12	-	
16	501-016	1.68
20	501-020	1.60
25	501-025	2.02
32	501-032	3.11
40	501-040	4.95
50	501-050	6.97
63	501-063	9.78
75	501-075	20.64
90	501-090	37.25
110	501-110	55.13
125	501-125	90.75
140	501-140	138.11
160	501-160	163.00
200	501-200	235.26
225	501-225	325.20
250	501-250	668.68
280	501-280	1024.60
315	501-315	1189.14
355	501-355	2106.36
400	501-400	2642.39

## Industrial Range

## IPS

Code	Price
601-010	3.65
601-012	3.87
601-016	2.86
601-020	3.25
601-025	4.24
601-032	4.62
601-040	6.42
601-050	9.15
601-063	17.46
601-075	39.25
601-090	52.39
601-110	72.54
601-125	141.50
601-140	191.16
601-160	217.31
601-200	438.98
601-225	527.60
601-250	751.22
601-280	1282.89
601-315	1486.06
-	
601-400*	2628.52

\* PN6 rated

## Industrial Range

## Durapipe

Code	Price
-	
33.122.304	3.69
33.122.305	6.47
33.122.306	7.66
33.122.307	9.52
33.122.308	14.43
33.122.309	20.36
33.122.310	29.42
33.122.311	46.64
33.122.312	80.44
33.122.313	135.03
33.122.314	198.27
33.122.315	382.28
33.122.316	524.77
33.122.317	690.87
33.122.318	992.77
33.122.319	1080.60
33.122.320	1506.09
-	
33.122.323	3603.35
-	
-	

## Reducing Tee 90°



Size	Code	Price
25x20	501-025020	2.28
32x20	501-032020	3.36
32x25	501-032025	3.36
40x20	501-040020	5.21
40x25	501-040025	5.21
40x32	501-040032	5.21
50x20	-	
50x25	501-050025	7.23
50x32	501-050032	7.23
50x40	501-050040	7.23
63x25	-	
63x32	501-063032	10.26
63x40	501-063040	10.26
63x50	501-063050	10.26
75x32	501-075032	20.64
75x40	501-075040	20.64
75x50	501-075050	20.64
75x63	501-075063	20.64
90x32	-	
90x40	501-090040	37.25
90x50	501-090050	37.25
90x63	501-090063	37.25
90x75	501-090075	37.25
110x32	-	
110x50	501-110050	55.13
110x63	501-110063	55.13
110x75	501-110075	55.13
110x90	501-110090	55.13
125x63	501-125063	90.74
125x75	501-125075	90.74
125x90	501-125090	90.74
125x110	501-125110	90.74
140x63	501-140063	138.12
140x75	501-140075	138.12
140x90	501-140090	138.12
140x110	501-140110	138.12
140x125	501-140125	138.12
160x63	501-160063	161.95
160x75	501-160075	161.95
160x90	501-160090	161.95
160x110	501-160110	161.95
160x125	501-160125	161.95

Code	Price
601-025020	4.51
601-032020	6.42
601-032025	6.42
601-040020	6.98
601-040025	6.98
601-040032	6.98
601-050020	9.95
601-050025	9.95
601-050032	9.95
601-050040	9.95
601-063025	19.13
601-063032	19.13
601-063040	19.13
601-063050	19.13
601-075032	28.92
601-075040	28.92
601-075050	28.92
601-075063	28.92
601-090032	52.39
601-090040	52.39
601-090050	52.39
601-090063	52.39
601-090075	52.39
601-110032	94.09
601-110050	94.09
601-110063	94.09
601-110075	94.09
601-110090	94.09
601-125063	128.05
601-125075	128.05
601-125090	128.05
601-125110	128.05
-	
601-140075	168.56
601-140090	168.56
601-140110	168.56
-	
-	
-	
601-160090	202.27
601-160110	202.27
601-160125	202.27

[illegible]

White fittings available on application





## Reducing Tee 90°

Continued



### Standard Range

Size	Code	Price
200x75	501-200075	261.52
200x90	501-200090	261.52
200x110	501-200110	261.52
200x125	501-200125	261.52
200x140	501-200140	261.52
200x160	501-200160	261.52
225x110	501-225110	323.57
225x125	501-225125	323.57
225x140	501-225140	323.57
225x160	501-225160	323.57
225x200	501-225200	323.57
250x110	501-250110	567.92
250x140	501-250140	567.92
250x160	501-250160	567.92
250x200	501-250200	567.92
250x225	501-250225	567.92
280x140	501-280140	1276.85
280x160	501-280160	1276.85
280x200	501-280200	1276.85
280x225	501-280225	1276.85
280x250	501-280250	1276.85
315x110	501-315110	1094.60
315x160	501-315160	1094.60
315x225	501-315225	1094.60
315x280	501-315280	1094.60
355x280	501-355280	2259.51
355x315	501-355315	2259.51
400x225	-	
400x280	501-400280	3052.25
400x315	501-400315	3052.25
400x355	501-400355	3052.25

## Industrial Range

**IPS**

Code	Price
-	
-	
601-200110	471.87
-	
-	
601-200160	471.87
601-225110	525.83
-	
-	
601-225160	525.83
-	
-	
-	
601-250160	808.94
601-250200	808.94
-	
-	
601-280160	1290.73
-	
601-280225	1290.73
-	
-	
601-315160	1595.05
601-315225	1595.05
-	
-	
-	
601-400225*	2518.48
-	
601-400315*	2518.48
-	

## Industrial Range

## Durapipe

[illegible]

\* PN6 rated

### Tee 45°



Size	Code	Price
10	-	
12	-	
16	-	
20	-	
25	-	
32	-	
40	-	
50	-	
63	-	
75	-	
90	-	
110	-	
125	-	
140	-	
160	-	
200	-	
225	-	
250	-	

Code	Price
675-010	11.32
675-012	11.32
675-016	12.69
675-020	12.95
675-025	14.31
675-032	15.78
675-040	19.36
675-050	24.14
675-063	33.65
675-075	53.78
675-090	122.15
675-110	180.21
675-125	199.58
675-140	327.67
675-160	437.96
675-200	859.78
675-225	1408.51
675-250	1746.94

[illegible]

## Cross



Size	Code	Price
10	-	
12	-	
16	-	
20	-	
25	-	
32	520-032	13.55
40	520-040	15.35
50	520-050	17.84
63	520-063	29.72
2.1/2 75	520-075	35.14
90	520-090	44.23
110	520-110	86.29

Code	Price
620-010	6.27
620-012	6.27
620-016	6.70
620-020	6.97
620-025	12.95
620-032	14.29
620-040	20.60
620-050	21.68
620-063	27.15
620-075	53.78
620-090	102.60
620-110	158.87

Code	Price
-	
-	
-	
-	
33.108.307	28.90
33.108.308	34.64
33.108.309	50.01
33.108.310	62.54
33.108.311	85.97
-	
-	
-	

White fittings available on application



## Elbow 90°



### Standard Range

Size	Code	Price
10	-	
12	-	
16	506-016	1.35
20	506-020	1.29
25	506-025	1.64
32	506-032	2.39
40	506-040	3.51
50	506-050	5.12
63	506-063	7.78
75	506-075	14.04
90	506-090	22.90
110	506-110	42.58
125	506-125	64.00
140	506-140	109.47
160	506-160	127.94
200	506-200	187.93
225	506-225	299.81
250	506-250	603.98
280	506-280	943.71
315	506-315	1067.74
355	506-355	1665.12
400	506-400	2022.23

### Industrial Range

#### IPS

Code	Price
606-010	3.17
606-012	3.17
606-016	2.86
606-020	2.86
606-025	3.65
606-032	4.33
606-040	6.15
606-050	7.50
606-063	15.30
606-075	37.11
606-090	49.36
606-110	71.16
606-125	97.59
606-140	149.15
606-160	199.07
606-200	385.86
606-225	458.10
606-250	678.96
606-280	1072.91
606-315	1262.43
-	-
606-400	2098.73

### Industrial Range

#### Durapipe

Code	Price
-	-
33.115.304	3.65
33.115.305	5.73
33.115.306	6.44
33.115.307	8.03
33.115.308	10.70
33.115.309	19.08
33.115.310	24.57
33.115.311	36.50
33.115.312	68.75
33.115.313	104.95
33.115.314	158.31
33.115.315	288.43
33.115.316	362.01
33.115.317	626.45
33.115.318	860.48
33.115.319	983.89
33.115.320	1313.67
-	-
33.115.323	1957.80
-	-
-	-

\* PN6 rated

## Bend 90°



Size	Code	Price
16	-	
20	-	
25	-	
32	-	
40	-	
50	-	
63	-	
75	-	
90	-	
110	-	
140	-	
160	-	

Code	Price
606-016SR	12.13
606-020SR	12.13
606-025SR	15.02
606-032SR	19.50
606-040SR	24.93
606-050SR	24.93
606-063SR	32.45
606-075SR	106.34
606-090SR	123.27
606-110SR	207.53
606-140SR	425.35
606-160SR	616.21

\* Made from pipe

Code	Price
-	-
33.118.306	26.20
33.118.307	31.17
33.118.308	43.07
33.118.309	60.75
33.118.310	76.17
33.118.311	99.78
33.118.312	104.07
33.118.313	254.86
33.118.314	424.71
-	-
33.118.317*	1060.26

\*PN10 rated

## Elbow 45°



Size	Code	Price
10	-	
12	-	
16	517-016	1.76
20	517-020	1.68
25	517-025	2.28
32	517-032	3.11
40	517-040	4.17
50	517-050	5.60
63	517-063	8.18
75	517-075	15.11
90	517-090	23.31
110	517-110	39.37
125	517-125	57.32
140	517-140	92.91
160	517-160	112.95
200	517-200	167.57
225	517-225	271.68
250	517-250	517.69
280	517-280	862.37
315	517-315	922.14
355	517-355	1509.93
400	517-400	1887.43

White fittings available on application

Code	Price
617-010	4.51
617-012	2.00
617-016	2.61
617-020	2.77
617-025	5.21
617-032	5.91
617-040	7.50
617-050	10.26
617-063	15.30
617-075	32.45
617-090	43.37
617-110	58.65
617-125	110.68
617-140	123.55
617-160	155.16
617-200	372.21
617-225	396.70
617-250	676.20
617-280	747.72
617-315	1277.48
-	-
617-400*	1717.17

\* PN6 rated

Code	Price
-	-
33.119.304	5.71
33.119.305	10.70
33.119.306	12.49
33.119.307	13.25
33.119.308	15.94
33.119.309	22.99
33.119.310	28.90
33.119.311	40.81
33.119.312	63.96
33.119.313	95.79
33.119.314	196.95
33.119.315	290.82
33.119.316	334.13
33.119.317	406.21
33.119.318	659.36
33.119.319	887.34
33.119.320	1701.24
-	-
33.119.323	3168.18
-	-
-	-



## Cap



### Standard Range

Size	Code	Price
12	-	
16	547-016	1.21
20	547-020	1.15
25	547-025	1.29
32	547-032	1.67
40	547-040	2.57
50	547-050	4.17
63	547-063	5.80
75	547-075	10.84
90	547-090	17.00
110	547-110	35.63
125	547-125	49.03
140	547-140	63.46
160	547-160	75.78
200	547-200	92.91
225	547-225	102.44
250	547-250	156.38
280	547-280	221.11
315	547-315	291.21
355	547-355	666.41
400	547-400	1062.64
450	547-450	1509.93
500	547-500	1806.53

\*Maximum pressure 10 bar

### Industrial Range

#### IPS

Code	Price
647-012	2.43
647-016	2.43
647-020	2.53
647-025	3.08
647-032	3.43
647-040	4.62
647-050	7.64
647-063	9.38
647-075	21.38
647-090	25.08
647-110	41.72
647-125	78.53
647-140*	103.60
647-160*	137.98
647-200*	261.23
647-225*	265.63
647-250*	349.46
647-280*	557.96
647-315*	632.88
-	
-	
-	
-	

### Industrial Range

#### Durapipe

Code	Price
33.140.304	3.49
33.140.305	3.71
33.140.306	4.65
33.140.307	5.51
33.140.308	6.11
33.140.309	9.52
33.140.310	15.95
33.140.311	19.66
33.140.312	47.54
33.140.313	60.43
33.140.314	93.22
-	
-	
33.140.317	225.19
-	
33.140.319	541.12
-	
-	
-	
-	
-	

## Union

EPDM O-ring



Size	Code	Price
10	-	
12	-	
16	-	
20	597-020	4.70
25	597-025	5.50
32	597-032	7.91
40	597-040	9.49
50	597-050	12.17
63	597-063	17.81
75	597-075	52.22
90	597-090	70.11
110	597-110	95.04

\*Maximum pressure 10 bar

Code	Price
697-010	12.54
697-012	12.54
697-016	12.54
697-020	10.37
697-025	11.44
697-032	14.31
697-040	17.96
697-050	17.96
697-063	29.74
697-075	95.14
697-090	166.34
697-110	166.34

Code	Price
-	
-	
33.205.305	21.51
33.205.306	25.18
33.205.307	28.90
33.205.308	37.46
33.205.309	46.64
33.205.310	63.82
33.205.311	82.86
33.205.312	198.37
33.205.313	308.05
33.205.314	397.67

FPM O-Ring + 15%

## Union

EPDM O-ring



Size	Code	Price
20	01079	4.69
25	01080	5.50
32	01081	7.91
40	01082	9.49
50	01083	12.17
63	01084	17.81
75	01085	52.22
90	01086	70.11
110	01087	95.04

Compatible with 697 unions

Code	Price
-	
-	
-	
-	
-	
-	
-	
-	
-	

Code	Price
-	
-	
-	
-	
-	
-	
-	
-	
-	

## Clamp Union

EPDM gasket



Size	Code	Price
40	10371	36.47
50	10372	44.18
63	10373	57.53
75	10374	71.18
90	10327	92.26
110	10328	109.68
125	10329	141.66
140/5	10330	187.61
160	10331	226.67
200	10332	387.97
225	10375	391.58



### Clamp Union

Modular design with EPDM gasket assembled using only 2 bolts. The clamp is made from glass reinforced polyamid. See the full range later in this section.



## Socket



### Standard Range

Size	Code	Price
10	-	
12	-	
16	529-016	1.50
20	529-020	1.50
25	529-025	1.67
32	529-032	2.02
40	529-040	3.01
50	529-050	4.05
63	529-063	5.88
75	529-075	12.07
90	529-090	15.41
110	529-110	25.45
125	529-125	39.37
140	529-140	56.74
160	529-160	79.23
200	529-200	119.90
225	529-225	218.20
250	529-250	266.63
280	529-280	303.88
315	529-315	376.89
355	529-355	556.75
400	529-400	642.81

## Industrial Range

**IPS**

Code	Price
629-010	1.88
629-012	2.00
629-016	1.84
629-020	2.00
629-025	2.22
629-032	2.57
629-040	3.65
629-050	5.23
629-063	8.06
629-075	15.70
629-090	19.13
629-110	27.16
629-125	76.36
629-140	76.63
629-160	103.89
629-200	192.22
629-225	238.30
629-250	289.03
629-280	413.09
629-315	511.28
-	
-	

## Industrial Range

## Durapipe

Code	Price
-	
33.100.305	4.45
33.100.306	5.50
33.100.307	5.50
33.100.308	6.47
33.100.309	11.32
33.100.310	13.49
33.100.311	19.08
33.100.312	40.47
33.100.313	73.08
33.100.314	105.53
33.100.315	163.86
33.100.316	208.05
33.100.317	265.12
33.100.318	432.85
33.100.319	527.75
33.100.320	705.76
-	
33.100.323	1441.93
-	
-	

## Reducing Socket

### Plain Spigot/Socket x Plain Socket



White fittings available  
on application

Size	Code	Price
10/6x8	-	
12/8x10	-	
16/12x8	-	
16/12x10	-	
20/16x10	-	
20/16x12	-	
25/20x16	-	
25/20x20	-	
32/25x16	-	
32/25x20	529-025020	1.76
32/25x25	-	
40/32x16	-	
40/32x20	529-032020	2.51
40/32x25	529-032025	2.51
40/32x32	-	
50/40x20	529-040020	3.68
50/40x25	529-040025	3.68
50/40x32	529-040032	3.68
50/40x40	-	
63/50x25	529-050025	5.77
63/50x32	529-050032	5.77
63/50x40	529-050040	5.77
63/50x50	-	
75/63x32	529-063032	9.01
75/63x40	529-063040	9.01
75/63x50	529-063050	9.01
75/63x63	-	
90/75x40	529-075040	11.67
90/75x50	529-075050	11.67
90/75x63	529-075063	11.67
90/75x75	-	
110/90x50	529-090050	19.95
110/90x50	529-090063	19.95
110/90x75	529-090075	19.95
125/110x63	529-110063	28.41
125/110x75	529-110075	28.41
125/110x90	529-110090	28.41
140/125x75	529-125075	37.12
140/125x90	529-125090	37.12
140/125x110	529-125110	37.12
160/140x90	529-140090	55.44
160/140x110	529-140110	55.44
160/140x125	529-140125	55.44
160x110	529-160110	65.18
200x160	529-200160	147.49
225x110	529-225110	123.93
225x160	529-225160	125.58

Code	Price
629-006008	3.08
629-008010	3.08
629-012008	3.08
629-012010	3.08
629-016010	3.08
629-016012	3.08
629-020016	3.08
629-020020	3.08
629-025016	3.17
629-025020	3.17
629-025025	3.17
629-032016	3.87
629-032020	3.87
629-032025	3.87
629-032032	3.87
629-040020	4.50
629-040025	4.50
629-040032	4.50
629-040040	4.50
629-050025	7.37
629-050032	7.37
629-050040	7.37
629-050050	7.37
629-063032	13.77
629-063040	13.77
629-063050	13.77
629-063063	13.77
629-075040	17.56
629-075050	17.56
629-075063	17.56
629-075075	17.56
629-090050	32.73
629-090063	32.73
629-090075	32.73
629-110063	38.46
629-110075	38.46
629-110090	38.46
629-125075	55.38
629-125090	55.38
629-125110	55.38
629-140090	81.84
629-140110	81.84
-	
629-140125	81.84
-	
-	

[illegible]



## Industrial Range

Size	Code	Price	Code	Price	Code	Price
16x12	-		637-016012	1.52	-	
20x16	537-020016	1.02	637-020016	1.88	33.109.412	3.71
25x16	-		637-025016	2.43	-	
25x20	537-025020	1.02	637-025020	2.00	33.109.415	4.93
32x16	-		637-032016	2.52	-	
32x20	537-032020	1.36	637-032020	2.52	33.109.418	6.47
32x25	537-032025	1.15	637-032025	2.38	33.109.419	6.47
40x16	-		637-040016	3.07	-	
40x20	537-040020	2.08	637-040020	3.07	33.109.421	8.66
40x25	537-040025	2.08	637-040025	3.07	33.109.422	8.66
40x32	537-040032	1.67	637-040032	3.07	33.109.423	8.66
50x20	537-050020	2.32	637-050020	4.12	-	
50x25	537-050025	2.32	637-050025	4.12	-	
50x32	537-050032	2.32	637-050032	4.12	33.109.426	10.70
50x40	537-050040	2.02	637-050040	3.65	33.109.427	10.70
63x25	-		637-063025	5.99	-	
63x32	537-063032	3.59	637-063032	5.99	33.109.430	14.42
63x40	537-063040	3.59	637-063040	5.99	33.109.431	14.42
63x50	537-063050	3.02	637-063050	5.60	33.109.432	14.42
75x32	-		637-075032	9.83	-	
75x40	537-075040	5.80	637-075040	9.83	-	
75x50	537-075050	5.80	637-075050	9.83	33.109.437	25.18
75x63	537-075063	5.21	637-075063	9.38	33.109.438	25.18
90x32	537-090032	9.16	-		-	
90x40	-		637-090040	18.94	-	
90x50	537-090050	9.16	637-090050	18.94	33.109.442	40.81
90x63	537-090063	9.16	637-090063	18.94	33.109.443	40.81
90x75	537-090075	8.86	637-090075	18.94	33.109.444	44.10
110x50	-		637-110050	29.74	33 109 448	52.13
110x63	537-110063	16.72	637-110063	29.74	33.109.449	55.80
110x75	537-110075	16.72	637-110075	29.74	33.109.450	55.80
110x90	537-110090	15.95	637-110090	29.74	33.109.451	55.80
125x63	537-125063	16.42	-		-	
125x75	537-125075	16.42	637-125075	64.90	-	
125x90	537-125090	16.42	637-125090	64.90	-	
125x110	537-125110	16.42	637-125110	64.90	-	
140x63	537-140063	27.57	-		-	
140x75	537-140075	27.57	637-140075	74.98	-	
140x90	537-140090	27.57	637-140090	74.98	33.109.465	160.73
140x110	537-140110	27.57	637-140110	74.98	33.109.466	160.73
140x125	537-140125	27.57	637-140125	74.98	33.109.467	160.73
160x90	537-160090	30.80	637-160090	78.02	33.109.473	173.04
160x110	537-160110	30.80	637-160110	78.02	33.109.474	173.04
160x140	537-160140	30.80	637-160140	78.02	33.109.476	209.28
200x100	-		637-200110	135.78	-	
200x125	-		637-200125	135.78	-	
200x140	-		637-200140	135.78	-	
200x160	537-200160	72.56	637-200160	135.78	33.109.487	241.89
225x110	-		637-225110	191.44	-	
225x125	-		637-225125	191.44	-	
225x140	-		637-225140	191.44	-	
225x160	-		637-225160	191.44	33.109.495	354.29
225x200	537-225200	110.01	637-225200	191.44	33.109.496	354.29
250x125	-		637-250125	299.93	-	
250x140	-		637-250140	299.93	-	
250x160	537-250160	294.43	637-250160	299.93	33.109.497	547.78
250x200	537-250200	294.43	637-250200	299.93	33.109.498	547.78
250x225	537-250225	294.43	637-250225	299.93	33.109.499	615.26
280x140	-		637-280140	327.21	-	
280x200	-		637-280200	327.21	-	
280x225	-		637-280225	327.21	-	
280x250	537-280250	321.21	637-280250	327.21	-	
315x160	-		637-315160	394.05	-	
315x200	537-315200	386.82	637-315200	394.05	33.109.536	1006.26
315x225	537-315225	386.82	637-315225	394.05	33.109.502	914.74
315x250	537-315250	406.16	637-315250	394.05	33.109.503	914.74
315x280	537-315280	386.82	637-315280	394.05	-	
355x280	537-355280	414.89	-		-	
355x315	537-355315	414.89	637-355315	422.65	-	
400x280	537-400280	447.02	637-400280	455.37	-	
400x315	537-400315	447.02	637-400315	455.37	-	
400x355	537-400355	447.02	637-400355	455.37	-	

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## IPS Stub Flange

Plain Socket - Flat Face



Size	Code	Price
16	654-016	3.94
20	654-020	3.94
25	654-025	4.33
32	654-032	4.62
40	654-040	6.30
50	654-050	9.56
63	654-063	13.35
90	654-090	28.92
110	654-110	39.57
125	654-125	56.44
140	654-140	69.00
160	654-160	82.89
225	654-225	209.96
250	654-250	223.61
280	654-280	236.41
315	654-315	306.73
355	654-355	464.91
400	654-400	548.08
450	654-450	613.53
500	654-500	613.53

## IPS Stub Flange

Plain Socket - Serrated Face



Size	Code	Price
63	654-063S	13.35
2.1/2"/75mm	654-075S	18.94
90	654-090S	28.92
110	654-110S	39.57
5"/140mm	654-140S	69.01
160	654-160S	82.89
200	654-200S	170.15
225	654-225S	223.61

## IPS Full Face Flange

Plain Socket - Universal drilling  
PN/BS/ANSI/JIS

NEW



Size	Code	Price
20	6541-020	17.10
25	6541-025	17.46
32	6541-032	21.16
40	6541-040	29.01
50	6541-050	30.47
63	6541-063	37.16
75	6541-075	44.58
90	6541-090	49.80
110	6541-110	60.18

## IPS Full Face Flange

Plain Socket - BS4504  
EN1072 PN10/16



Size	Code	Price
50	6542-050	23.48
63	6542-063	28.14
75	6542-075	32.04
90	6542-090	36.83
110	6542-110	46.68
125	6542-125	55.92
140	6542-140	67.73
160	6542-160	91.03

## Spears Stub Flange

Plain Socket - c/w  
Backing Ring

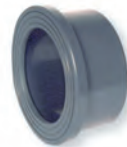


Size	Code	Price
160	6254-160	173.97
225	6254-225	276.30
280	6254-280	442.33

Van Stone Style  
Plastic Backing Ring  
Universal drilled BS4504 PN10/ANSI150

## Durapipe Stub Flange

Plain Socket - Serrated Face



Size	Code	Price
20	33.133.306	5.31
25	33.133.307	5.57
32	33.133.308	6.44
40	33.135.309	12.49
50	33.135.310	19.66
63	33.135.311	29.42
90	33.135.313	59.59
110	33.135.314	77.95
125	33.135.315	139.93
160	33.135.317	200.72
200	33.135.318	199.74
225	33.135.319	398.91
250	33.135.320	432.34

## Durapipe Full Face Flange

Plain Socket - BS4504  
EN1072 PN10/16



Size	Code	Price
25	33.319.307	34.64
32	33.319.308	40.81
40	33.319.309	48.49
50	33.319.310	55.54
63	33.319.311	68.15
75	33.319.312	109.90
90	33.319.313	125.79
110	33.319.314	169.34

## Flange Set

Plain Socket - BS4504  
EN1072 PN10/16



Size	Code	Price
50	10147	41.01
63	10148	59.64
75	10149	77.23
90	10150	94.85
110	10151	117.01
125	10152	151.18
140	10153	200.11
160	10154	241.91
200	10155	349.24
200-PN10	10117	349.24
225	10156	396.41
250	10157	1078.32
315	10158	1255.44

## Blind Flange

Drilled BS4504 EN1072  
PN10/16



Size	Code	Price
20	553-020	13.52
25	553-025	16.15
32	553-032	18.88
40	553-040	21.59
50	553-050	26.06
63	553-063	28.77
75	553-075	32.29
90	553-090	36.74
110	553-110	50.33
140	553-140	75.75
160	553-160	80.95
*200	553-200	80.95
*225	553-225	151.24
*250	553-250	336.65
*280	553-280	336.65
*315	553-315	426.52

\* PN10 only

## Backing Ring NP10/16

PVC-U



Note:  
Max Working Pressure  
Size 280-400: 6 bars  
Size 450-600: 4 bars

\*PN10 only  
\*\*PN6 only  
\*\*\*125mm Backing ring  
PCD 190mm

Size	IPS	Price	Durapipe	Price
20	660-020	14.28	33.180.306	26.03
25	660-025	13.86	33.180.307	29.08
32	660-032	15.45	33.180.308	31.28
40	660-040	18.92	33.180.309	38.53
50	660-050	21.54	33.180.310	40.00
63	660-063	25.28	33.180.311	52.66
75	660-075	30.38	33.180.312	62.00
90	660-090	35.39	33.180.313	49.91
110	660-110*	43.75	33.180.314	63.94
125	660-125***	57.10	33.180.315	75.81
140	660-140*	58.03	33.180.316	115.54
160	660-160*	70.50	33.180.317	151.93
200	660-200*	119.86	33.180.318	193.39
225	660-225*	250.78	33.180.319	215.16
250	660-250*	253.42	33.180.320	338.45
280	660-280*	334.61	-	
315	660-315*	489.11	-	
355	660-355*	490.77	-	
400	660-400*	490.77	-	
450	660-450*	569.41	-	
500	660-500**	648.39	-	

## Stub Gasket

EPDM



Size	Code	Price
16	861-ISO-003	0.77
20	861-ISO-005	0.77
25	861-ISO-007	0.88
32	861-ISO-010	0.97
40	861-ISO-012	1.20
50	861-ISO-015	1.46
63	861-ISO-020	2.50
75	861-ISO-025	3.07
90	861-ISO-030	3.30
110	861-ISO-040	4.80
125	861-ISO-125	6.17
140	861-ISO-050	6.17
160	861-ISO-060	7.07
200	861-ISO-082	14.05
225	861-ISO-225	14.05
250	861-ISO-101	17.24
280	861-ISO-280	17.24
*315	861-ISO-120	19.54
*355	861-ISO-140	27.54
*400	861-ISO-160	30.35
*450	861-ISO-180	on application
*500	861-ISO-200	on application

\* NP10 only  
Please note codes above are for NP10/16. Replace 'ISO' for 'A' for ANSI 150 or 'E' for Table D/E

## Backing Ring NP10/16

Fibreglass Reinforced Polyester Drilled



Size	Code	Price
25	660-025P	12.27
32	660-032P	12.27
40	660-040P	18.16
50	660-050P	22.83
63	660-063P	28.95
75	660-075P	33.72
90	660-090P	43.83
110	660-110P	55.68
125	660-125P	69.62
140	660-140P	71.14
160	660-160P	83.31
200	660-200P	134.81
225	660-225P	148.36

\* PN10 only

## Gasket

EPDM - full face



Size	Code	Price
16	863-E-003	2.65
1/2"/20	863-E-005	2.65
3/4"/25	863-E-007	2.97
1"/32	863-E-010	3.55
1.1/4"/40	863-E-012	4.24
1.1/2"/50	863-E-015	5.02
2"/63	863-E-020	6.17
2.1/2"/75	863-E-025	8.50
3"/90	863-E-030	8.69
4"/110	863-E-040	12.12
125	863-E-125	12.44
5"/140	863-E-050	14.86
6"/160	863-E-060	19.54
200	863-E-082	23.08
8"/200	863-E-225	23.08
250	863-E-101	38.84
*12"/315	863-E-120	53.89

\* NP10 only  
Please note codes above are for Table D/E. Replace 'E' for 'ISO' for NP10/16; or 'A' for ANSI 150

## Backing Ring NP10/16

Galvanised Mild Steel



Also available ANSI 150

Size	IBG	Durapipe	Price
1/2"/20	860-005-12NP	860-005-12NP	12.86
3/4"/25	860-007-12NP	860-007-12NP	13.60
1"/32	860-010-12NP	860-010-12NP	16.61
1.1/4"/40	860-012-12NP	860-012-12NP	17.66
1.1/2"/50	860-015-12NP	860-015-12NP	18.84
2"/63	860-020-11NP	860-020-11NP	26.62
2.1/2"/75	860-025-11NP	860-025-11NP	36.43
3"/90	860-030-11NP	860-030-11NP	42.12
4"/110	860-040-11NP	860-040-11NP	53.87
125	860-125-12NP	860-125-12NP	78.60
5"/140	860-050-12NP	860-050-11NP	75.01
6"/160	860-060-13NP	860-060-13NP	87.92
8"/200/225	860-080-14N	860-080-11N	123.66
225	860-225-12N	860-225-12N	118.00
250	860-100-13N	860-100-14N	174.92
280	860-280-12N	-	166.99
315	860-120-13N	860-120-14N	227.01
14"/355	860-140-12N	-	633.07
16"/400	860-160-12N	-	777.04

\* NP10 only. Suffix code with P for NP16 drilling

\*\* 125mm Backing ring PCD 190mm

## Valve Support Plate

Galvanised Mild Steel- Drilled NP10/16



Size	Code	Price
16	31.459.305	39.91
20	31.459.306	43.68
25	31.459.307	45.54
32	31.459.308	49.94
50	31.459.310	68.20
63	31.459.311	73.78
2.1/2"/75	31.459.312	84.20
90	31.459.313	104.62
110	31.459.314	123.76



## FPM Gaskets

Prices and codes for FPM gaskets are shown in PVC-U Flanges inch sizes



## Tee 90°

Plain Socket x Reinforced  
BSP Female Thread



### Standard Range

Size	Code	Price
16x3/8	-	
20x1/2	02221	3.36
25x3/4	02222	3.80
32x1	02223	4.69
40x1 1/4	02224	7.36
50x1 1/2	02225	10.47
63x2	02226	16.15
75x2 1/2	-	
90x3	-	
110x4	-	

Note: Standard range  
unreinforced thread

### Industrial Range

#### IPS

Code	Price
602-016	9.95
602-020	8.46
602-025	10.09
602-032	11.44
602-040	16.11
602-050	19.36
602-063	29.74
602-075*	67.36
602-090*	97.08
602-110*	134.43

\*Maximum pressure 10 bar

### Industrial Range

#### Durapipe

Code	Price
-	
33.123.605	20.81
33.123.608	23.35
33.123.612	36.50
-	
33.123.622	68.75
33.123.629	95.17
-	
-	
-	

## Tee 90°

Plain Socket x  
BSP Male Thread



Size	Code	Price
32x1	651000	5.45
32x1 1/4	651010	5.45
40x1	651020	6.30
40x1 1/4	651030	6.30
50x1	651040	8.74
50x1 1/4	651050	8.74
50x1 1/2	651060	8.74
63x1	651070	17.19
63x1 1/4	651080	17.19
63x1 1/2	651090	17.19
63x2	651100	17.19

\*Maximum pressure 10 bar

Code	Price
-	
-	
-	
-	
-	
-	
-	
-	
-	
-	
-	

Code	Price
-	
-	
-	
-	
-	
-	
-	
-	
-	
-	
-	

## Adaptor Socket

Plain Socket x Plain  
Socket



Size	Code	Price
1/2x20	-	
3/4x25	-	
1x32	-	
1 1/4x40	-	
1 1/2x50	-	
2x63	-	
3x90	-	
4x110	-	
6x160	-	

Code	Price
831-005	3.20
394025	3.53
394032	4.14
394040	6.01
394050	8.08
394063	12.05
394090	38.55
394110	52.44
831-060	124.93

Code	Price
33.345.102	6.44
33.345.103	6.44
33.345.104	8.36
33.345.105	12.50
33.345.106	18.12
33.345.107	41.49
33.345.109	74.26
33.345.110	120.94
-	

## Elbow 90°

Plain Socket x Reinforced  
BSP Female Thread



Size	Code	Price
16x3/8	-	
20x1/2	02201	2.76
25x3/4	02202	3.10
32x1	02203	3.98
40x1 1/4	02204	5.12
50x1 1/2	02205	7.97
63x2	02206	10.91
75x2 1/2	-	
90x3	-	
110x4	-	

Note: Standard range  
unreinforced thread

Code	Price
607-016	9.03
607-020	8.06
607-025	9.56
607-032	10.67
607-040	12.53
607-050	17.56
607-063	26.03
607-075	60.00
607-090	93.54
607-110	129.53

\*Maximum pressure 10 bar

Code	Price
33.178.101	15.95
33.178.102	19.08
33.178.103	20.81
33.178.104	25.44
33.178.105	40.81
33.178.106	53.99
33 178 107	74.00
-	
-	
-	

## Elbow 90°

Plain Socket x BSP  
Male Thread



Size	Code	Price
32x1 1/4	650200	5.06
40x1 1/4	650210	5.91
50x1 1/4	650220	8.06
50x1 1/2	650230	8.06
50x2	650240	8.06
63x2	02606	9.92

Code	Price
-	
-	
-	
-	
-	
-	

Code	Price
-	
-	
-	
-	
-	
-	



## Hoze Nozzle

Plain Spigot x Hoze



## Hose Adaptor

Hose x BSP Male Thread



## Hose Adaptor

Hose x BSP Female Thread



## Socket

Plain Socket x Reinforced BSP Female Thread



## Union

Plain Socket x BSP Female EPDM O-Ring



## Union

Plain Socket x BSP Male EPDM O-Ring



## Standard Range

Size	Code	Price
10x8	-	
12x12	-	
16x16	-	
20x20	-	
25x25	-	
32x30	-	
40x40	-	
50x50	-	
63x60	-	

Size	Code	Price
18/16x $\frac{3}{8}$	-	
22/20x $\frac{1}{2}$	-	
28/25x $\frac{3}{4}$	-	
34/31x1	-	
43/40x1 $\frac{1}{4}$	-	
53/50x1 $\frac{1}{2}$	-	
66/60x2	-	

Size	Code	Price
14/12x $\frac{1}{2}$	-	
18/16x $\frac{3}{4}$	-	
22/20x1	-	
27/25x1 $\frac{1}{2}$	-	
32/30x1 $\frac{1}{2}$	-	
42/40x2	-	
52/50x2 $\frac{1}{4}$	-	
64/60x2 $\frac{1}{2}$	-	

Size	Code	Price
16x $\frac{3}{8}$	-	
20x $\frac{1}{2}$	02010	2.81
25x $\frac{3}{4}$	02011	3.36
32x1	02012	3.59
40x1 $\frac{1}{4}$	02013	4.53
50x $\frac{1}{2}$	02014	5.60
63x2	02015	8.31
85x2 $\frac{1}{2}$	02016	15.26
90x3	02017	28.11
110x4	02018	40.15

Note: Standard range unreinforced thread

Size	Code	Price
12x $\frac{1}{4}$	-	
16x $\frac{3}{8}$	-	
20x $\frac{1}{2}$	02028	5.03
25x $\frac{3}{4}$	02029	5.84
32x1	02030	8.27
40x1 $\frac{1}{4}$	02031	10.17
50x1 $\frac{1}{2}$	02032	13.19
63x2	02033	18.88
75x2 $\frac{1}{2}$	02034	54.52
90x3	02035	73.38
110x4	02036	99.94

Size	Code	Price
16x $\frac{3}{8}$	-	
20x $\frac{1}{2}$	-	
25x $\frac{3}{4}$	-	
32x1	-	
40x1 $\frac{1}{4}$	02076	11.23
40x1 $\frac{1}{2}$	02057	12.29
50x1 $\frac{1}{2}$	02077	12.29
50x2	02060	19.84
63x2	02078	19.84

## Industrial Range

### IPS

Code	Price
606980	5.31
606990	5.31
652200	3.14
652210	3.68
652220	4.78
652230	5.71
652240	7.37
652250	14.29
652260	17.19

Code	Price
607110	4.88
607120	5.06
607130	6.30
607140	7.11
607150	9.55
607160	13.21
607170	19.76

\*Maximum pressure 10 bar

Code	Price
-	
-	
-	
-	
-	
-	
-	
-	

Code	Price
635-016	7.76
635-020	8.17
635-025	8.84
635-032	12.29
635-040	12.84
635-050	17.87
635-063	23.47
635-075	59.45
635-090	67.62
635-110	100.34

\*Maximum pressure 10 bar

Code	Price
699-012	11.46
699-016	10.45
699-020	11.61
699-025	14.05
699-032	16.91
699-040	19.62
699-050	23.33
699-063	31.38
-	
-	
-	

\*Maximum pressure 10 bar

Code	Price
665-016	10.76
665-020	12.40
665-025	16.37
665-032	18.83
665-040	21.80
-	
665-050	25.92
-	
665-063	33.55

\*Maximum pressure 10 bar

## Industrial Range

### Durapipe

Code	Price
-	
33.158.304	4.94
33.158.305	5.31
33.158.306	7.66
33.158.307	8.36
33.158.308	9.18
33.158.309	19.08
33.158.310	23.34
33.158.311	31.59

Code	Price
02.157.602	11.04
02.157.605	11.04
02.157.608	14.79
02.157.612	17.82
02.157.616	28.52
02.157.622	53.06
-	

Code	Price
02.156.601	10.94
02.156.603	12.79
02.156.606	14.82
02.156.609	17.12
02.156.613	18.68
02.156.616	43.29
-	
02.156.312	61.35

Code	Price
-	
33.103.102	14.43
33.103.103	16.30
33.103.104	25.20
33.103.105	33.11
33.103.106	38.30
33.103.107	50.34
-	
-	
-	

Code	Price
-	
33.202.305	34.64
33.202.306	39.23
33.202.307	42.95
33.202.308	54.26
33.202.309	65.10
33.202.310	85.96
33.202.311	122.11

Code	Price
-	
-	
-	
-	
-	
-	

FPM O-Ring + 15%

Code	Price
-	
-	
-	
-	
-	
-	
-	



## Adaptor Union

Plain Socket x Plain Socket, EPDM O-Ring



### Standard Range

Size	Code	Price
1/2x20	-	
3/4x25	-	
1x32	-	
1.1/4x40	01153	9.03
1.1/2x50	01154	11.66
2x63	01155	17.03

### Industrial Range

#### IPS

Code	Price
667-020	12.14
667-025	13.90
667-032	15.78
667-040	18.66
667-050	21.02
667-063	36.01

### Industrial Range

#### Durapipe

Code	Price
-	
-	
-	
-	
-	
-	

## Union

Plain Socket x Malleable Iron BSP Female - EPDM Gasket



Size	Code	Price
16x3/8	-	
20x1/2	-	
25x3/4	-	
32x1	-	
40x1.1/4	-	
50x1.1/2	-	
63x2	-	

Code	Price
6991-016	13.22
6991-020	13.77
6991-025	14.31
6991-032	16.68
6991-040	24.65
6991-050	31.96
6991-063	50.71

Code	Price
-	
-	
-	
-	
-	
-	

## Union

Plain Socket x Brass BSP Female - EPDM Gasket



Size	Code	Price
16x3/8	-	
20x1/2	-	
25x3/4	-	
32x1	-	
40x1.1/4	-	
50x1.1/2	-	
63x2	-	

Code	Price
6993-016	18.46
6993-020	20.59
6993-025	30.84
6993-032	35.46
6993-040	56.16
6993-050	70.90
6993-063	105.78

Code	Price
33.222.305	30.97
33.222.306	37.08
33.222.307	56.16
33.222.308	64.46
33.222.309	87.11
33.222.310	121.51
33.222.311	184.78

\* Plastic nut not brass

## Union

Plain Socket x Malleable Iron BSP Male EPDM Gasket



Size	Code	Price
20x1/2	-	
25x3/4	-	
32x1	-	
40x1.1/4	-	
50x1.1/2	-	
63x2	-	

Code	Price
6992-020	16.76
6992-025	19.50
6992-032	21.96
6992-040	35.73
6992-050	43.92
6992-063	61.02

Code	Price
-	
-	
-	
-	
-	
-	

## Union

Plain Socket x Brass BSP Male - EPDM Gasket



Size	Code	Price
16x3/8	-	
20x1/2	-	
25x3/4	-	
32x1	-	
40x1.1/4	-	
50x1.1/2	-	
63x2	-	

Code	Price
6994-016	21.13
6994-020	24.43
6994-025	31.38
6994-032	37.68
6994-040	52.08
6994-050	82.11
6994-063	105.78

Code	Price
33.223.305	30.96
33.223.306	39.01
33.223.307	55.80
33.223.308	63.24
33.223.309	88.39
33.223.310	127.00
33.223.311	193.26

\* Plastic nut not brass

## Hexagon Nipple

Plain Spigot x BSP Male



Size	Code	Price
16x3/8	-	
20x1/2	-	
25x3/4	-	
32x3/4	-	
32x1	-	
40x1	-	
40x1.1/4	-	
50x1.1/4	-	
50x1.1/2	-	
63x1.1/4	-	
63x1.1/2	-	
63x2	-	

Code	Price
681-1-016003*	2.52
681-1-020005*	2.52
681-1-025007*	3.07
681-1-032007*	2.10
681-1-032010*	3.42
681-1-040010*	4.33
681-1-040012*	4.24
681-1-050012*	6.70
681-1-050015*	6.70
681-1-063012*	9.67
681-1-063015*	9.67
681-1-063020*	9.67

\*Maximum pressure 10 bar





### Adaptor

Plain Socket/Spigot x  
BSP Male



### Standard Range

Size	Code	Price
12/16x $\frac{3}{8}$	-	
16x $\frac{3}{8}$	-	
16/20x $\frac{3}{8}$	-	
16x $\frac{1}{2}$	-	
16/20x $\frac{1}{2}$	-	
20x $\frac{1}{2}$	02001	1.66
20/25x $\frac{1}{2}$	-	
20/25x $\frac{3}{4}$	-	
20x $\frac{3}{4}$	-	
25/32x $\frac{1}{2}$	-	
25x $\frac{3}{4}$	02002	1.98
25x1	-	
25/32x1	-	
32x1	02003	2.47
32/40x $\frac{3}{4}$	-	
32x1	02732	3.02
32x1.1/4	-	
32x1.1/4	02733	3.02
40x1.1/4	02004	3.35
40/50x1	-	
40x1.1/4	02742	3.80
40x1.1/2	-	
40x1.1/2	02743	3.80
50x1.1/4	-	
50x1.1/2	02005	4.00
50x2	-	
50/63x1.1/4	-	
50x1.1/2	02753	6.18
50x2	02754	6.18
63x1.1/4	02762	9.72
63x1.1/2	02763	9.72
63x2	02006	6.32
63x2	02764	9.73
63x2.1/2	02765	9.72
63/75x1.1/2	-	
63/75x2	-	
75/90x2	-	
75x2.1/2	02007	11.51
75/90x2.1/2	-	
75x3	-	
75/90x3	-	
90/110x2.1/2	-	
90x3	02008	22.07
90/110x3	-	
90x4	-	
90/110x4	-	
110x3	-	
110x4	02009	35.71
110/125x4	-	

### Industrial Range

#### IPS

Code	Price
636-012003	3.65
-	
636-016003	3.65
-	
636-016005	3.65
-	
636-020005	3.65
-	
-	
-	
636-025007	3.17
-	
636-025010	3.17
-	
-	
636-032010	3.17
-	
636-032012	3.17
-	
-	
636-040012	4.33
-	
636-040015	4.33
636-0500125	6.70
-	
636-0500205	6.70
-	
636-050015	7.76
636-050020	7.76
A636-063012	9.83
A636-063015	9.83
-	
A636-063020	10.37
A636-063025	9.83
-	
636-063020	10.37
636-075020	22.77
-	
-	
636-075025	22.74
-	
636-075030	31.10
636-090025	38.46
-	
636-090030	41.44
636-090040	53.46
636-110030	61.02
636-110040	61.02
-	

### Industrial Range

#### Durapipe

Code	Price
33.151.331	6.11
-	
33.151.332	8.04
-	
33.151.333	8.04
-	
33.151.334	8.37
33.151.335	8.37
-	
33.151.352	12.89
33.151.336	12.89
-	
33.151.337	13.83
-	
33.151.353	19.38
33.151.338	18.44
-	
33.151.339	18.44
-	
33.151.354	23.63
33.151.340	23.63
-	
33.151.341	23.63
-	
-	
33.151.355	34.09
33.151.342	53.12
33.151.343	53.12
-	
-	
-	
33.151.356	53.12
33.151.345	55.81
33.151.346	85.96
-	
33.151.347	85.97
-	
33.151.357	55.80
-	
33.151.348	153.44
-	
33.151.358	85.97
-	
-	
33.151.349	157.02

### Tank Adaptor

Plain Socket x BSP  
Male / Female Thread  
CSM Gasket



Size	Code	Price
16x $\frac{3}{8}$	-	
20x1.1/2	-	
20x1.3/4	-	
25x1.1/4	-	
40x1.1/2	-	
63x2.3/4	-	

Code	Price
6170C-016003*	56.44
6170C-020005*	60.81
6170C-020007*	60.81
6170C-025010*	64.35
6170C-040015*	72.83
6170C-063020*	101.74

Code	Price
-	
-	
-	
-	
-	
-	

\*Maximum pressure 10 bar

### Tank Adaptor

Plain Socket x BSP  
Male / Female Thread  
FPM Gasket



Size	Code	Price
16x $\frac{3}{8}$	-	
20x1.1/2	-	
20x1.3/4	-	
25x1.1/4	-	
40x1.1/2	-	
63x2.3/4	-	

Code	Price
6170V-016003*	78.26
6170V-020005*	80.47
6170V-020007*	86.72
6170V-025010*	96.27
6170V-040015*	115.06
6170V-063020*	177.79

Code	Price
-	
-	
-	
-	
-	
-	

\*Maximum pressure 10 bar



## Tank Adaptor

Plain Spigot x Socket x  
Male BSP Thread  
EPDM Gasket



\*Maximum pressure 10 bar

## Standard Range

Size	Code	Price
25x20x3/4	-	
32x25x1	-	
40x32x1.1/4	-	
50x40x1.1/2	-	
63x50x2	-	

## Industrial Range

Code	Price
5.16.020	15.93
5.16.025	17.19
5.16.034	19.22
5.16.041	23.02
5.16.048	26.66

## Industrial Range

### Durapipe

Code	Price
-	
-	
-	
-	
-	

## Reducing Bush

Plain Spigot x BSP  
Female



\*Maximum pressure  
10 bar.

Note: Type A does not  
have hexagon body.

Size	Code	Price
16x1/4	-	
20x1/4	-	
20x3/8	-	
25x3/8	-	
25x1/2	-	
32x1/2	-	
32x3/4	-	
40x1/2	-	
40x3/4	-	
40x1	-	
50x1/2	-	
50x3/4	-	
50x1	-	
50x1.1/4	-	
50/40x1.1/2	-	
63x1.1/4	-	
63x1.1/2	-	
A 63/50x2	-	
A 75x1.1/4	-	
A 75x1.1/2	-	
A 75x2	-	
75/63x2.1/2	-	
90/75x2	-	
90x2.1/2	-	
90/75x3	-	
110/90x2	-	
110/90x2.1/2	-	
100x3	-	
125x3	-	
125x4	-	

Code	Price
638-016002*	4.62
638-020002*	4.62
638-020003*	4.62
638-025003*	5.91
638-025005*	5.91
638-032005*	6.30
638-032007*	6.30
638-040005*	7.76
638-040007*	7.76
638-040010*	7.76
638-050005*	9.67
638-050007*	9.67
638-050010*	9.67
638-050012*	9.67
638-050015*	16.37
638-063012*	16.37
638-063015*	16.37
638-063020*	22.49
638-075012*	22.49
638-075015*	22.88
638-075020*	22.88
638-075025*	22.88
638-090020*	26.85
-	
638-090030*	30.01
638-110020*	52.63
638-110025*	69.55
638-110030*	69.55
638-125030*	91.37
638-125040*	91.37

Code	Price
-	
-	
33.169.101	9.18
-	
33.169.102	10.10
-	
33.169.103	11.00
-	
33.169.104	18.44
-	
-	
33.169.105	23.34
-	
33.169.106	34.42
-	
-	
33.169.108	62.04
-	
-	
33.169.109	109.26
-	
-	

## Adaptor

Plain Spigot x Reinforced  
BSP Female



Size	Code	Price
20x3/8	-	
25x1/2	-	
32x3/4	-	
40x1	-	
50x1.1/4	-	
63x1.1/2	-	

Code	Price
678-0200035	8.46
678-0250055	9.03
678-0320075	11.32
678-0400105	15.30
678-0500125	20.20
678-0630155	28.92

Code	Price
33.170.101	17.16
33.170.102	18.44
33.170.103	20.81
33.170.104	27.34
33.170.105	35.62
33.170.106	50.55

## Adaptor

Plain Spigot/Socket x  
BSP Female



Size	Code	Price
20x1/2	-	
25/20x3/4	-	
32/25x1	-	
40/32x1.1/4	-	
50/40x1.1/2	-	
63/50x2	-	

Code	Price
678-020005	14.48
678-025007	16.68
678-032010	21.02
678-040012	26.03
678-050015	35.73
678-063020	49.94

Code	Price
33.153.333	13.25
33.153.335	15.63
33.153.337	20.36
33.153.339	23.63
33.153.341	33.11
33.153.343	40.47

## Clamp Saddle

Single Outlet mm size -  
Reinforced Female BSP  
Threaded Outlet



Body: Polypropylene  
Seals: NBR  
Bolts: Zinc plated

Size	Code	Price
20x½	1540-02002	8.83
25x½	1540-02502	10.65
25x¾	1540-02504	10.65
32x½	1540-03202	11.24
32x¾	1540-03204	11.24
32x1	1540-03210	11.24
40x½	1540-04002	13.81
40x¾	1540-04004	13.81
40x1	1540-04010	13.81
50x½	1540-05002	15.78
50x¾	1540-05004	15.78
50x1	1540-05010	15.78
50x1.¼	1540-05014	15.78
63x½	1540-06302	18.80
63x¾	1540-06304	18.80
63x1	1540-06310	18.80
63x1.¼	1540-06314	18.80
63x1.½	1540-06312	18.80
75x½	1540-07502	20.79
75x¾	1540-07504	20.79
75x1	1540-07510	20.79
75x1.¼	1540-07514	20.79
75x1.½	1540-07512	20.79
75x2	1540-07520	20.79
90x½	1540-09002	30.82
90x¾	1540-09004	30.82
90x1	1540-09010	30.82
90x1.¼	1540-09014	30.82
90x1.½	1540-09012	30.82
90x2	1540-09020	30.82
110x½	1540-11002	32.53
110x¾	1540-11004	32.53
110x1	1540-11010	32.53
110x1.¼	1540-11014	32.53
110x1.½	1540-11012	32.53
110x2	1540-11020	32.53
110x3	1540-11030	92.87
125x½	1540-12502	44.52
125x¾	1540-12504	44.52
125x1	1540-12510	44.52
125x1.¼	1540-12514	44.52
125x1.½	1540-12512	44.52
125x2	1540-12520	44.52
125x¾	1540-12530	104.12
140x½	1540-14002	59.17
140x¾	1540-14004	59.17
140x1	1540-14010	59.17
140x1.¼	1540-14014	59.17
140x1.½	1540-14012	59.17
140x2	1540-14020	59.17
140x3	1540-14030	80.90
160x½	1540-16002	120.74
160x¾	1540-16004	80.90
160x1	1540-16010	80.90
160x1.¼	1540-16014	80.90
160x1.½	1540-16012	80.90
160x2	1540-16020	80.90
160x3	1540-16030	122.71
200x2	1540-20020	304.29
200x3	1540-20030	278.65
200x4	1540-20040	278.65
225x1.½	1540-22512	334.86
225x2	1540-22520	334.86
225x3	1540-22530	345.88
225x4	1540-22540	345.88
250x2	1540-25020	391.05
250x3	1540-25030	409.40
250x4	1540-25040	409.40
315x2	1540-31520	376.40
315x3	1540-31530	376.40
315x4	1540-31540	376.40

## Clamp Saddle

PVC-U Solvent Socket  
Outlet



Body: Polypropylene  
Seals: EPDM

Size	Code	Price
200x50	05405	144.31
200x63	05406	144.31
200x75	05407	144.31
200x90	05408	144.31
200x110	05409	144.31
200x125	05410	144.31
225x50	05020	207.89
225x63	05021	207.89
225x75	05022	207.89
225x90	05023	207.89
225x110	05024	207.89
225x125	05013	215.95
250x50	05001	207.89
250x63	05002	207.89
250x75	05003	207.89
250x90	05004	207.89
250x110	05006	215.95
250x125	05005	207.89
315x50	05007	253.06
315x63	05008	253.06
315x75	05009	253.06
315x90	05010	253.06
315x110	05011	253.06
315x125	05012	261.06
400x50	05465	347.80
400x63	05466	347.80
400x75	05467	347.80
400x90	05468	347.80
400x110	05469	347.80
400x125	05470	347.80
400x140	05471	373.42
400x160	05472	373.42

## Clamp Saddle

PVC-U BSP Threaded  
Outlet



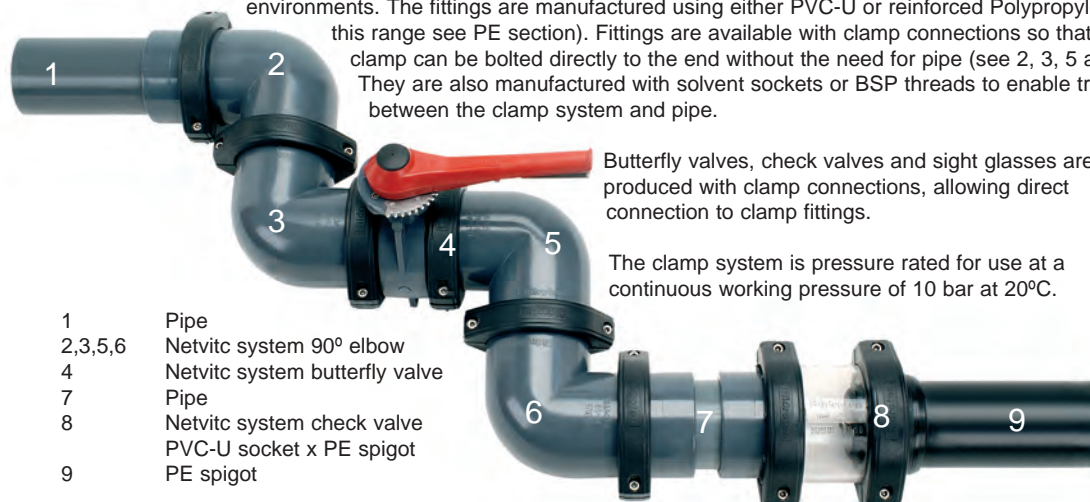
Body: Polypropylene  
Seals: EPDM

Size	Code	Price
200x1.½	05455	153.40
200x2	05456	153.40
200x2.½	05457	153.40
200x3	05458	153.40
200x4	05459	153.40
225x1.½	05014	229.66
225x2	05015	229.66
225x2.½	05016	229.66
225x3	05017	229.66
225x4	05018	232.94
250x1.½	05019	229.66
250x2	05068	229.66
250x2.½	05069	229.66
250x3	05070	229.66
250x4	05071	232.94
315x1.½	05072	274.78
315x2	05025	274.78
315x2.½	05026	274.78
315x3	05027	274.78
315x4	05028	278.04
400x1.½	05485	370.50
400x2	05486	370.50
400x2.½	05487	370.50
400x3	05488	370.50
400x4	05489	370.50

## Netvitc® clamp system

Netvitc is a unique system that is quick and easy to install using bolted clamp couplings. Similarly, the clamp couplings can easily be demounted so that piping can be repositioned or reused.

The clamp is manufactured from a tough, lightweight reinforced polypropylene and will withstand harsh, corrosive environments. The fittings are manufactured using either PVC-U or reinforced Polypropylene (for this range see PE section). Fittings are available with clamp connections so that the clamp can be bolted directly to the end without the need for pipe (see 2, 3, 5 and 6). They are also manufactured with solvent sockets or BSP threads to enable transition between the clamp system and pipe.



- 1 Pipe
- 2,3,5,6 Netvitc system 90° elbow
- 4 Netvitc system butterfly valve
- 7 Pipe
- 8 Netvitc system check valve
- PVC-U socket x PE spigot
- 9 PE spigot

Butterfly valves, check valves and sight glasses are produced with clamp connections, allowing direct connection to clamp fittings.

The clamp system is pressure rated for use at a continuous working pressure of 10 bar at 20°C.

### Tee 90°

Without clamps



Size	Code	Price
90	1N047	46.62
110	1N048	72.74
125	1N049	113.05
160	1N051	197.24
200	1N052	283.60

### Elbow 90°

Without clamps



Size	Code	Price
90	1N007	30.05
110	1N008	56.79
125	1N009	78.46
160	1N011	155.43
200	1N012	235.91

### Elbow 90°

With clamps - solvent sockets



Size	Code	Price
90	1N017	126.81
110	1N018	166.27
125	1N019	212.23
160	1N021	390.97
200	1N022	574.42

### Union

With clamps - mm solvent socket



Size	Code	Price
40	10371	36.47
50	10372	44.18
63	10373	57.53
75	10374	71.18
90	10327	92.26
110	10328	109.68
125	10329	141.66
140/5	10330	187.61
160	10331	226.67
200	10332	387.97
225	10375	391.58

### Butterfly Valve

With clamps - mm solvent socket



Size	Code	Price
63	9N020	271.57
75	9N021	271.57
90	9N022	368.44
110	9N023	419.79
125	9N024	501.95
5/140	9N025	548.95
160	9N026	728.01
200	9N027	986.98
225	9N028	986.98

### Check Valve

With clamps - mm solvent socket



Size	Code	Price
90	15020	396.23
110	15021	434.67
125	15022	915.17
5/140	15023	964.19
160	15024	1067.14

### Sight Glass

With clamps - mm solvent socket



Size	Code	Price
40	18004	107.12
50	18005	107.12
63	18006	129.36
75	18007	158.86
90	18008	169.85
110	18009	193.13
125	18010	222.33
5/140	18011	283.87
160	18012	431.65
200	18013	636.12

### Clamp



Size	Code	Price
2"/63	1N910	8.90
2.1/2"/75	1N911	11.25
3"/90	1N912	28.90
4"/110	1N913	30.33
125	1N914	34.17
5"/140	1N915	41.35
6"/160	1N916	55.49
8"/200	1N917	56.51

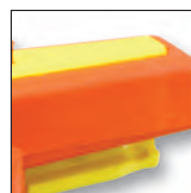


# Praher S4 Ball Valve



## Features

- WRAS approved for contact with potable water
- Lockable Handle (Lock not supplied)
- True Union design for easy maintenance
- Full bore design
- Tagging point included
- Matched Valve bracket for panel mounting and retrofit actuation.
- Pneumatically and Electrically actuated versions available - please see actuated valve section, starting page 131
- Silicone free on request



Lockable Handle



Tagging Point



Valve Bracket



Actuation

## Materials

Body - PVCu  
Ball Seat - PTFE  
Seals - EPDM or FPM

## Sizes

3/8" - 4"/16mm - 110mm

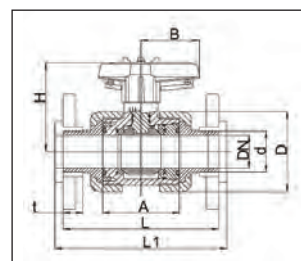
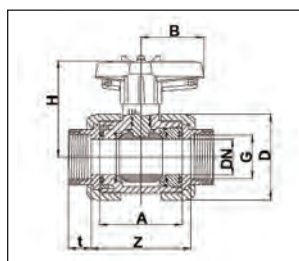
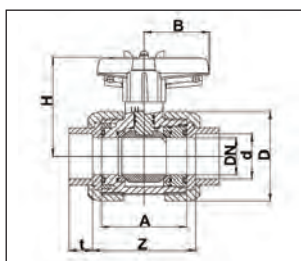
## Pressure Rating

3/8"/16mm to 2.1/2"/75mm - 16 bar  
3"/90mm - 10 bar  
4"/110mm - 6 bar

## Connections

Solvent Cement Sockets  
Solvent Cement Spigots  
BSP Female Threaded  
Flanged PN10 or ANSI 150  
HDPE Fusion Spigots

## Valve Dimensions



d	16	20	25	32	40	50	63	75	90	110
DN	10	15	20	25	32	40	50	65	80	80
G	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
L	114.0	124.0	144.0	154.0	174.0	194.0	224.0	284.0	300.0	340.0
L1	120.0	130.0	150.0	160.0	180.0	200.0	230.0	290.0	310.0	350.0
A	62.0	62.0	70.0	74.0	84.0	95.0	109.0	137.0	163.0	163.0
Z	67.5	67.5	76.0	81.0	90.0	104.0	121.0	148.0	183.0	176.0
t	16.5	16.5	19.5	22.5	26.5	31.5	38.5	45.0	55.5	64.0
D	53.0	53.0	63.0	70.0	85.0	101.0	121.5	155.0	188.0	188.0
H	72.0	72.0	78.5	81.5	100.0	107.5	116.5	144.0	163.0	163.0
B	40.0	40.0	51.5	51.5	64.0	73.0	85.0	110.0	132.0	132.0
PN	16	16	16	16	16	16	16	16	10	6
Weight	0.22	0.22	0.33	0.41	0.65	1.03	1.55	3.24	5.44	5.44

Dimensions in mm





## Praher Type S4 Ball Valve

**Description:** In-line double union ball valve with lockable handle

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 3/8"/16mm to 2 1/2"/75mm - 16 bar; 3"/90mm - 10 bar; 4"/100mm - 6 bar

**Fluid Temperature Range:** 0°C - 60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, Solvent Spigots, BSP Female Threaded, HDPE Socket Ends, HDPE Fusion Spigots, Flanged PN10 or ANSI 150

**Option:** Silicon-free

**Features:** Lockable handle and tagging point included



	Inch Solvent Cement Sockets		
	Size	Code	Price
EPDM Seals PTFE Seats	3/8	12.1939	62.75
	1/2	12.1760	65.99
	3/4	12.2073	74.87
	1	12.2069	93.12
	1 1/4	12.2077	119.54
	1 1/2	12.1107	142.03
	2	12.1108	171.35
	2 1/2"/75	12.1128	348.67
	3	12.0362	428.36
	4	12.2143	583.46

	BSP Threaded Sockets		
	Size	Code	Price
EPDM Seals PTFE Seats	3/8	12.1132	66.36
	1/2	12.1134	69.18
	3/4	12.1136	82.56
	1	12.1138	102.18
	1 1/4	12.1140	130.38
	1 1/2	12.1142	155.70
	2	12.1144	189.31
	2 1/2	12.1146	327.28
	3	12.1148	476.75

	MM Solvent Cement Sockets		
	Size	Code	Price
EPDM Seals PTFE Seats	16	12.1116	60.34
	20	12.1118	63.45
	25	12.1120	74.86
	32	12.1122	93.12
	40	12.1124	119.54
	50	12.1048	142.03
	63	12.1049	171.35
	2 1/2"/75	12.1128	348.67
	90	12.1130	428.36
	110	12.1746	583.46

	Flanged PN10 *		
	Size	Code	Price
EPDM Seals PTFE Seats	1/2	12.1760NP	121.75
	3/4	12.2073NP	134.67
	1	12.2069NP	158.72
	1 1/4	12.2077NP	196.88
	1 1/2	12.1107NP	233.13
	2	12.1108NP	288.69
	2 1/2	12.1128NP	530.44
	3	12.0362NP	704.40
	4	12.2143NP	900.09

	HDPE Socket Ends		
	Size	Code	Price
EPDM Seals PTFE Seats	16	12.5357	65.70
	20	12.5358	69.22
	25	12.5359	84.45
	32	12.5360	107.93
	40	12.5361	141.97
	50	12.5362	167.78
	63	12.5363	187.75
	75	12.5364	423.58
	90	12.5365	522.11
	110	12.5366	708.67

	Inch Solvent Cement Sockets		
	Size	Code	Price
FPM Seals PTFE Seats	3/8	12.1479	72.04
	1/2	12.1480	74.87
	3/4	12.2148	89.06
	1	12.2149	110.41
	1 1/4	12.2150	139.44
	1 1/2	12.0302	164.76
	2	12.0300	197.26
	2 1/2"/75	12.1129	399.86
	3	12.1490	505.20
	4	12.2792	667.43

	BSP Threaded Sockets		
	Size	Code	Price
FPM Seals PTFE Seats	3/8	12.1133	78.26
	1/2	12.1135	81.11
	3/4	12.1137	97.09
	1	12.1139	119.54
	1 1/4	12.1141	150.88
	1 1/2	12.1143	179.32
	2	12.1145	216.01
	2 1/2	12.1147	432.63
	3	12.1149	556.42

	MM Solvent Cement Sockets		
	Size	Code	Price
FPM Seals PTFE Seats	16	12.1117	72.04
	20	12.1119	74.87
	25	12.1121	89.06
	32	12.1123	110.41
	40	12.1125	139.44
	50	12.1126	164.76
	63	12.1127	197.26
	2 1/2"/75	12.1129	399.86
	90	12.1131	505.20
	110	12.1747	667.43

	Flanged PN10 *		
	Size	Code	Price
FPM Seals PTFE Seats	1/2	12.1480NP	133.33
	3/4	12.2148NP	149.08
	1	12.2149NP	176.31
	1 1/4	12.2150NP	217.05
	1 1/2	12.0302NP	256.22
	2	12.0300NP	314.86
	2 1/2	12.1129NP	582.33
	3	12.1490NP	782.17
	4	12.2792NP	942.63

	HDPE Socket Ends		
	Size	Code	Price
FPM Seals PTFE Seats	16	12.6213	76.69
	20	12.6214	80.27
	25	12.6215	98.57
	32	12.6216	124.61
	40	12.6217	161.45
	50	12.6218	190.08
	63	12.6219	213.07
	75	12.6220	544.41
	90	12.6221	597.26
	110	12.6222	790.85

\* ANSI 150 Flanges on request

## Praher Type S4 Ball Valve with Actuator Adaptor Kit



Includes:  
PVC-U Ball Valve,  
PVC-U Valve Bracket,  
Console, Actuator  
Adaptor, Screw Set,  
PVDF Shaft

### EPDM Seals

Size	Code	Price
3/8"	122.171	188.57
1/2"	122.172	192.04
3/4"	122.173	208.95
1"	122.174	233.39
1.1/4"	122.175	307.63
1.1/2"	122.176	338.16
2"	122.177	375.31
2.1/2"/75	122.359	629.88
3"	122.761	735.96
4"	122.762	896.44
16	122.357	181.32
20	122.358	184.66
25	122.256	200.91
32	122.238	224.42
40	122.237	295.79
50	122.257	325.15
63	122.898	367.95
90	122.258	707.65
110	122.360	896.44



### FPM Seals

Size	Code	Price
3/8"	120.832	228.04
1/2"	120.833	229.14
3/4"	120.834	246.11
1"	120.835	270.51
1.1/4"	120.836	351.44
1.1/2"	120.837	381.96
2"	120.838	427.05
2.1/2"	120.839	718.71
3"	120.840	872.58
4"	120.841	1033.06
16	125.449	219.28
20	125.450	220.33
25	125.451	236.65
32	122.804	260.10
40	125.235	337.91
50	125.452	367.28
63	125.453	410.62
75	125.381	691.07
90	122.263	839.03

Prices on request for BSP threaded sockets or PN10 flanged connections

## Valve Bracket for Type S4 Ball Valve



Includes:  
PVC-U Valve Bracket,  
Screws and Nuts  
Note: Valve not included

Size	Code	Price
3/8"/16 - 1/2"/20	170.276	43.22
3/4"/25	170.277	46.09
1"/32	170.278	48.89
1.1/4"/40	170.229	52.00
1.1/2"/50	170.231	55.12
2"/63	170.233	58.20
2.1/2"/75	170.266	84.47
3"/90 - 4"/110	170.267	94.37

## Praher Type S4 Actuator Adaptor Kit



### For Pneumatic Actuator

#### EPDM Seals

Size	Code	Price
3/8"/16 & 1/2"/20	122.103	72.61
3/4"/25 & 1"/32	122.083	72.61
1.1/4"/40	121.985	92.95
1.1/2"/50 & 2"/63	121.986	92.95
2.1/2"/75	122.052	106.25
3"/90 & 4"/110	122.065	106.26

## Stem Extension Kit for Praher S4 Ball Valve



Includes:  
200mm pipe

Size	Code	Price
3/8" & 1/2"/16 & 20	125424	33.89
3/4" & 1"/25 & 32	125425	35.11
1.1/4"/40	125426	36.79
1.1/2" & 2"/50 & 63	125427	39.70
2.1/2"/75	125428	48.76
3"/90	125429	60.76

Please note: Valve not included

# Praher M1 Modular Ball Valve

**NEW!**



Lockable Handle



Limit Switch Box



Integrated Bracket



Simple Actuation

## Features

- Lockable Handle (Lock not supplied)
- True Union design for easy maintenance
- Buttress thread on union
- Full bore design
- Integrated fixing points
- Limit switch box for position feedback available
- Modular adaptor set available for actuators or limit switches

## Materials

Body - PVCu  
Ball Seat - PTFE  
Seals - EPDM or FPM

## Sizes

16mm - 63mm

## Pressure Rating

16 bar

## Connections

Solvent Cement Sockets DIN/ASTM

### Options:

Solvent Spigot DIN  
Threaded Socket BSP/NPT

## M1 Ball Valve Manual



### MM Solvent Cement Sockets

EPDM Seals - PTFE Seats

Size	Code	Price
16	12.8809	57.74
20	12.8810	60.10
25	12.8811	69.12
32	12.8812	81.98
40	12.8813	109.20
50	12.8814	136.76
63	12.8815	159.71

## M1 Ball Valve Manual



### MM Solvent Cement Sockets

FPM Seals - PTFE Seats

Size	Code	Price
16	12.8819	68.46
20	12.8820	70.80
25	12.8821	85.20
32	12.8822	100.80
40	12.8823	139.90
50	12.8824	160.81
63	12.8825	182.35

## M1 Ball Valve Manual



### Inch Solvent Cement Sockets

EPDM Seals - PTFE Seats

Size	Code	Price
3/4	12.4070	57.74
1/2	12.4071	60.10
3/4	12.4072	69.12
1	12.4073	81.98
1 1/4	12.4074	109.21
1 1/2	12.4075	136.76
2	12.4076	159.71

## M1 Ball Valve Manual



### Inch Solvent Cement Sockets

FPM Seals - PTFE Seats

Size	Code	Price
3/4	12.4077	68.46
1/2	12.4078	70.80
3/4	12.4079	85.20
1	12.4080	100.81
1 1/4	12.4081	139.89
1 1/2	12.4082	160.80
2	12.4083	182.35

# Safi Manual 2-Way Ball Valve



## Materials

Body - GRP, PVDF, ASPP  
Seals - EPDM, FPM, FFKM, NBR

## Sizes

1/2"/20mm - 6"/160mm

## Pressure Rating

PN10 / PN16

## Connections

Between flanges, universally drilled

## Options

Lockable handle  
Handle extensions  
Actuation: Electric / Pneumatic  
Special regulations (V Ball)

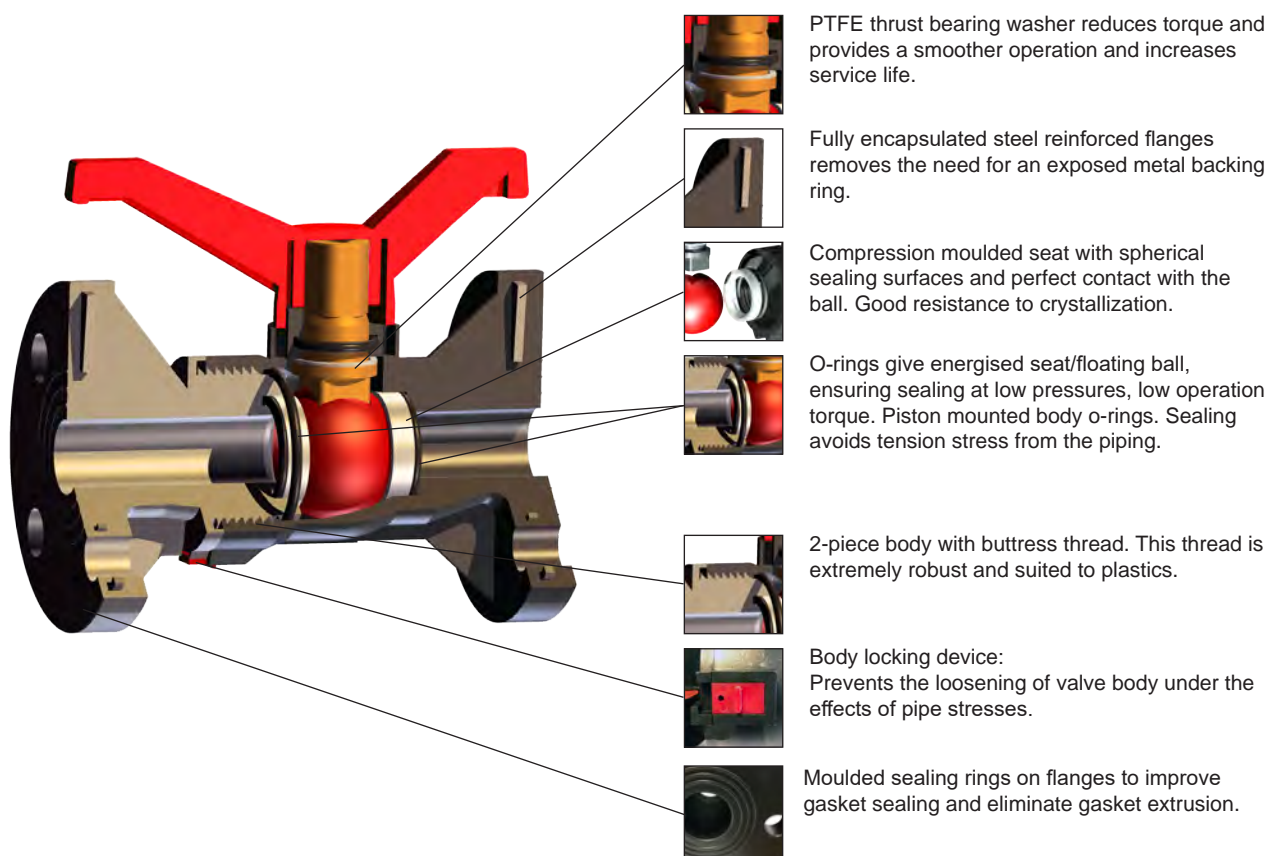
## Features

- Unique designed plastic valve
- Reinforced flanges with encapsulated metal inserts
- A locking key ensures correct flange alignment
- The handle may be removed for safety purposes and can be relocated in one position only
- Built in 1/4 turn handle stops

Standard:

Conforms to the pressure equipment directive 97/23/CE for gas and liquids group 1 and 2

Face to Face: DIN:EN558, ISO 5752 PN10



## Safi GRPP 2-Way Ball Valve

**Description:** In-line flanged compact ball valve  
**Mounting:** In any position, between flanges to PN10/16  
**Sizes:** 1/2" to 6"  
**Construction:**  
**Body:** GRPP, PVDF, ASPP (Anti-Static Polypropylene)  
**Seals:** EPDM, FPM, FFKM, NBR  
**Shaft:** GRRP  
**End Connections:** Between flanges, universally drilled



### Lever Operated

EPDM Seals

Size	Code	Price
1/2/20	2014-00FFE	113.52
3/4/25	2014-01FFE	119.15
1/32	2014-02FFE	171.40
1.1/4/40	2014-03FFE	196.29
1.1/2/50	2014-04FFE	266.60
2/63	2014-05FFE	302.55
3/90	1003-27FFE	731.78
4/110	1003-28FFE	857.89
6/160	2008-09FFE	1966.39

### Gear Operated

FPM Seals

Size	Code	Price
1/2/20	2014-00FFV	161.96
3/4/25	2014-01FFV	119.15
1/32	2014-02FFV	229.80
1.1/4/40	2014-03FFV	196.29
1.1/2/50	2014-04FFV	266.60
2/63	2014-05FFV	302.55
3/90	1003-27FFV	865.64
4/110	1003-28FFV	857.89
6/160	2008-09FFV	1948.36

### Don't see what you want?

We have access to a huge range of products that are not featured in our Handbook.

If you don't see what you want, give our team a call.







### Spears True Union 2000 Industrial Ball Valve

**Description:** In-line double union ball valve with lockable handle

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 1/2" to 2" - 16 bar; sizes 2 1/2" to 6" - 10 bar

All sizes flanged - 10 bar

**Fluid Temperature Range:** 0°C - 60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, Solvent Spigots, NPT Female Threaded, Reinforced NPT Female Threaded, Flanged

**Features:** Sizes 1/2" to 2" Solvent Socket valves also include NPT Female Threaded end connections. All valves are assembled with silicon-free, water soluble lubricant

**Option:** T-Handle operation on 6" valve



#### Inch Solvent Cement Sockets

EPDM Seals  
PTFE Seats

Size	Code	Price
1/2	1829-005	95.51
3/4	1829-007	112.95
1	1829-010	134.28
1 1/4	1829-012	185.52
1 1/2	1829-015	223.56
2	1829-020	294.97
2 1/2	1822-025	568.63
3	1822-030	749.01
4	1822-040	1263.36
6	1822-060	4149.14
*6	18226-60	4149.14

\*T-Handle operation

#### Inch Solvent Cement Spigots

EPDM Seals  
PTFE Seats

Size	Code	Price
1/2	1827-005	95.51
3/4	1827-007	112.95
1	1827-010	134.28
1 1/4	1827-012	185.52
1 1/2	1827-015	223.56
2	1827-020	294.97
2 1/2	1827-025	568.63
3	1827-030	749.01
4	1827-040	1263.36
6	1827-060	4148.97
*6	18276-60	4148.97

\*T-Handle operation

#### Flanged ANSI 150

EPDM Seals  
PTFE Seats

Size	Code	Price
1/2	1823-005	136.25
3/4	1823-007	172.75
1	1823-010	208.77
1 1/4	1823-012	245.30
1 1/2	1823-015	308.98
2	1823-020	492.91
2 1/2	1823-025	908.23
3	1823-030	1003.31
4	1823-040	2018.18
6	1823-060	6528.11
*6	18236-60	6528.11

\*T-Handle operation

#### Inch Solvent Cement Sockets

FPM Seals  
PTFE Seats

Size	Code	Price
1/2	1839-005	106.00
3/4	1839-007	125.39
1	1839-010	149.41
1 1/4	1839-012	237.20
1 1/2	1839-015	248.32
2	1839-020	324.90
2 1/2	1832-025	768.44
3	1832-030	830.59
4	1832-040	1403.04
6	1832-060	4603.06
*6	18326-60	4603.06

\*T-Handle operation

#### Inch Solvent Cement Spigots

FPM Seals  
PTFE Seats

Size	Code	Price
1/2	1837-005	106.00
3/4	1837-007	125.39
1	1837-010	149.41
1 1/4	1837-012	237.20
1 1/2	1837-015	248.32
2	1837-020	324.90
2 1/2	1837-025	768.44
3	1837-030	830.59
4	1837-040	1403.04
6	1837-060	4603.06
6	18376-60	4603.06

\*T-Handle operation

#### Flanged ANSI 150

FPM Seals  
PTFE Seats

Size	Code	Price
1/2	1833-005	145.50
3/4	1833-007	187.88
1	1833-010	224.68
1 1/4	1833-012	272.46
1 1/2	1833-015	336.13
2	1833-020	522.04
2 1/2	1833-025	923.73
3	1833-030	1245.85
4	1833-040	2340.39
6	1833-060	7572.13
*6	18336-60	7572.13

\*T-Handle operation



#### Silicon Free

All Spears valves are assembled with a water soluble lubricant and are 'silicon free.'

## Spears True Union 2000 Industrial Vented Ball Valve

**Description:** In-line double union ball valve

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 1/2" to 2" - 16 bar; sizes 2 1/2" to 4" - 10 bar.

All sizes flanged - 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

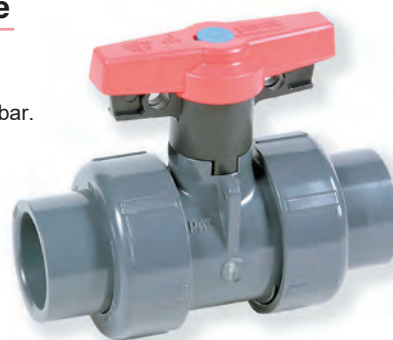
**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, Solvent Spigots, Reinforced NPT Female Threaded, Flanged

**Features:** Designed for Sodium Hypochlorite and other chemical applications  
Vented ball equalises internal fluid pressure assuring proper valve operation and long life



	Inch Solvent Cement Sockets		
	Size	Code	Price
EPDM Seals PTFE Seats	1/2	1829V-005	112.34
	3/4	1829V-007	132.96
	1	1829V-010	158.39
	1 1/4	1829V-012	219.07
	1 1/2	1829V-015	263.91
	2	1829V-020	348.25
	2 1/2	1822V-025	669.32
	3	1822V-030	882.51
	4	1822V-040	1491.11
	6	1822V-060	3221.02

	NPT Female Threaded Stainless Steel Reinforced		
	Size	Code	Price
EPDM Seals PTFE Seats	1/2	1821V-005SR	114.83
	3/4	1821V-007SR	138.78
	1	1821V-010SR	164.22
	1 1/4	1821V-012SR	236.56
	1 1/2	1821V-015SR	282.63
	2	1821V-020SR	368.55
	2 1/2	1821V-025SR	724.09
	3	1821V-030SR	937.25
	4	1821V-040SR	1554.92

	Inch Solvent Cement Sockets		
	Size	Code	Price
FPM Seals PTFE Seats	1/2	1839V-005	125.07
	3/4	1839V-007	147.92
	1	1839V-010	176.44
	1 1/4	1839V-012	279.67
	1 1/2	1839V-015	292.92
	2	1839V-020	384.11
	2 1/2	1832V-025	906.96
	3	1832V-030	980.56
	4	1832V-040	1656.74
	6	1832V-060	3797.83

	NPT Female Threaded Stainless Steel Reinforced		
	Size	Code	Price
FPM Seals PTFE Seats	1/2	1831V-005SR	127.49
	3/4	1831V-007SR	153.82
	1	1831V-010SR	182.25
	1 1/4	1831V-012SR	297.11
	1 1/2	1831V-015SR	311.73
	2	1831V-020SR	403.38
	2 1/2	1831V-025SR	961.65
	3	1831V-030SR	1035.27
	4	1831V-040SR	1720.60

## Spears Valve Bracket

Includes: Polypropylene Valve Bracket, Screws and Nuts.  
Suitable for use on Spears True Union 2000 Ball Valve



Valve Size		
Size	Code	Price
1/2"/20	TUMB2-005	84.39
3/4"/25	TUMB2-007	89.49
1"/32	TUMB2-010	96.24
1 1/4"/40	TUMB2-012	100.68
1 1/2"/50	TUMB2-015	108.68
2"/63	TUMB2-020	121.13
3"/90	TUMB2-030	229.78
4"/110	TUMB2-040	280.90

## Spears Actuator Mounting Platform

Includes: Polypropylene Mounting Platform, Screws and Nuts.  
Suitable for use with Spears True Union 2000 Ball Valve



Valve Size		
Size	Code	Price
1/2"/20	MMP1-005	35.81
3/4"/25	MMP1-007	37.09
1"/32	MMP1-010	43.13
1 1/4"/40	MMP1-012	47.28
1 1/2"/50	MMP1-015	64.55
2"/63	MMP1-020	72.89
3"/90	MMP1-030	164.29
4"/110	MMP1-040	189.15

## Spears Ball Valve Stem Extension Kit



Valve Size	True Union 2000 Ball Valves	Single Union & Compact Ball Valves*	Price
1/2	BVSE2-005-000	BVSE-005-000	19.28
3/4	BVSE2-007-000	BVSE-007-000	21.40
1	BVSE2-010-000	BVSE-010-000	21.40
1 1/4	BVSE2-012-000	BVSE-012-000	34.85
1 1/2	BVSE2-015-000	BVSE-015-000	39.62
2	BVSE2-020-000	BVSE-020-000	42.81
2 1/2 & 3	BVSE2-030-000	BVSE-030-000	43.83
4	BVSE2-040-000	BVSE-040-000	60.10

Does not include extension pipe. \* Also Spears True Union Ball Valve (old style)



## Spears True Union 2000 Standard Ball Valve

**Description:** In-line double union ball valve

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 1/2" to 2" - 16 bar;  
sizes 2 1/2" to 4" - 10 bar. All sizes flanged - 10 bar

**Fluid Temperature Range:** 0°C - 60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, Solvent Spigots,  
NPT Female Threaded, Reinforced NPT Female Threaded, Flanged

**Features:** Sizes 1/2" to 2" Solvent Socket valves also include NPT Female Threaded end connections



### Inch Solvent Cement Sockets

EPDM Seals  
PTFE/HDPE Seats

Size	Code	Price
1/2	3629-005	72.20
3/4	3629-007	85.39
1	3629-010	101.46
1 1/4	3629-012	140.24
1 1/2	3629-015	168.82
2	3629-020	222.65
2 1/2	3622-025	426.60
3	3622-030	565.69
4	3622-040	953.79

Also available with:  
Inch Solvent Cement Spigots and  
Flanged ANSI 150  
Please enquire for details

### Inch Solvent Cement Sockets

FPM Seals  
PTFE/HDPE Seats

Size	Code	Price
1/2	3639-005	80.25
3/4	3639-007	94.86
1	3639-010	112.78
1 1/4	3639-012	179.13
1 1/2	3639-015	187.44
2	3639-020	245.31
2 1/2	3632-025	580.36
3	3632-030	627.96
4	3632-040	1060.03

## Spears Utility Ball Valve

**Description:** In-line ball valve

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U (also available in white PVC-U)

**Seals:** EPDM

**Seats:** PTFE

**End Connections:** Solvent Sockets, NPT Female Threaded



### NPT Threaded Sockets

EPDM Seals

Size	Code	Price
1/2	2621-005G	20.35
3/4	2621-007G	24.13
1	2621-010G	32.83
1 1/4	2621-012G	43.56
1 1/2	2621-015G	66.29
2	2621-020G	83.83

### Inch Solvent Sockets

EPDM Seals

Size	Code	Price
1/2	2622-005G	20.34
3/4	2622-007G	24.13
1	2622-010G	32.82
1 1/4	2622-012G	43.56
1 1/2	2622-015G	66.29
2	2622-020G	83.83

## Spears Single Union Ball Valve

**Description:** In-line ball valve with one union connection

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 1/2" - 2" 16 bar; sizes 3" - 4" - 10 bar

**Fluid Temperature Range:** 0°C - 60°C

**Construction:**

**Body:** PVC-U (Also available in white PVC-U)

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, NPT Female Threaded



	Inch Solvent Cement Sockets		
	Size	Code	Price
EPDM Seals PTFE Seats	1/2	2422-005G	45.40
	3/4	2422-007G	57.13
	1	2422-010G	67.40
	1 1/4	2422-012G	93.39
	1 1/2	2422-015G	93.39
	2	2422-020G	136.23
	3	2422-030G	529.11
	4	2422-040G	992.26

	Inch Solvent Cement Sockets		
	Size	Code	Price
FPM Seals PTFE Seats	1/2	2432-005G	50.61
	3/4	2432-007G	63.70
	1	2432-010G	74.67
	1 1/4	2432-012G	103.66
	1 1/2	2432-015G	103.66
	2	2432-020G	151.25
	3	2432-030G	609.67
	4	2432-040G	1080.17

## Spears Compact Ball Valve

**Description:** In-line ball valve

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 1/2" to 2" - 16 bar; sizes 3" to 6" - 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, NPT Female Threaded, Flanged ANSI 150



	Inch Solvent Cement Sockets		
	Size	Code	Price
EPDM Seals PTFE Seats	1/2	2122-005	48.47
	3/4	2122-007	66.48
	1	2122-010	72.15
	1 1/4	2122-012	129.63
	1 1/2	2122-015	129.63
	2	2122-020	172.77
	3	2122-030	562.36
	4	2122-040	863.95
	6	2122-060	1120.68

	Inch Solvent Cement Sockets		
	Size	Code	Price
FPM Seals PTFE Seats	1/2	2132-005	54.56
	3/4	2132-007	67.63
	1	2132-010	81.09
	1 1/4	2132-012	143.90
	1 1/2	2132-015	143.90
	2	2132-020	194.05
	3	2132-030	629.67
	4	2132-040	1243.00
	6	2132-060	1611.75

	NPT Female Threaded Sockets		
	Size	Code	Price
EPDM Seals PTFE Seats	1/2	2121-005	48.47
	3/4	2121-007	66.48
	1	2121-010	72.15
	1 1/4	2121-012	129.63
	1 1/2	2121-015	129.63
	2	2121-020	172.77
	3	2121-030	562.36
	4	2121-040	863.95

	NPT Female Threaded Sockets		
	Size	Code	Price
FPM Seals PTFE Seats	1/2	2131-005	54.56
	3/4	2131-007	67.63
	1	2131-010	81.09
	1 1/4	2131-012	143.90
	1 1/2	2131-015	143.90
	2	2131-020	194.05
	3	2131-030	629.67
	4	2131-040	1243.00

# economy ball valves

## Praher Type S6 Ball Valve

**Description:** In-line double union ball valve for water or weak chemicals

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 16 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** HDPE or PTFE

**End Connections:** Solvent Sockets, Solvent Spigots, BSP Female Threaded, HDPE Fusion Spigots



### HDPE Seats

Orange Handle

#### Inch Solvent Cement Sockets

EPDM Seats  
HDPE Seats

Size	Code	Price
3/8	128.231	30.72
1/2	128.232	30.72
3/4	128.233	32.88
1	128.234	48.56
1 1/4	128.235	52.44
1 1/2	125.472	70.85
2	125.473	89.27
75/2 1/2	128.400	282.49
3	129.350	360.25

#### MM Solvent Cement Sockets

EPDM Seats  
HDPE Seats

Size	Code	Price
16	127.696	30.72
20	127.697	30.72
25	127.698	32.88
32	127.699	48.56
40	127.700	52.44
50	125.462	70.85
63	125.463	89.25
75/2 1/2	128.400	282.49
90	128.428	360.24

#### BSP Threaded Sockets

EPDM Seats  
HDPE Seats

Size	Code	Price
3/8	127.701	35.53
1/2	127.702	35.53
3/4	127.703	39.52
1	127.704	57.02
1 1/4	127.705	62.72
1 1/2	125.466	76.88
2	125.467	102.21
2 1/2	129.027	306.03
3	129.359	409.96

### PTFE Seats

Red Handle

#### Inch Solvent Cement Sockets

EPDM Seats  
PTFE Seats

Size	Code	Price
3/8	128.236	42.52
1/2	128.237	42.52
3/4	128.238	47.95
1	128.239	51.24
1 1/4	128.240	69.63
1 1/2	125.496	87.72
2	125.497	118.79
75/2 1/2	128.401	285.77
3	129.351	384.33
4	129.793	632.50

#### MM Solvent Cement Sockets

EPDM Seats  
PTFE Seats

Size	Code	Price
16	126.965	42.52
20	126.974	42.52
25	126.975	47.95
32	126.976	51.24
40	126.985	69.63
50	125.486	87.72
63	125.487	118.80
75/2 1/2	128.401	285.77
90	128.429	384.33
110	129.794	632.50

#### BSP Threaded Sockets

EPDM Seats  
PTFE Seats

Size	Code	Price
3/8	127.667	49.37
1/2	127.668	49.37
3/4	127.669	57.98
1	127.670	62.68
1 1/4	127.671	83.89
1 1/2	125.490	98.87
2	125.491	132.62
2 1/2	129.029	335.50
3	129.340	435.63



# economy ball valves

## Economy Ball Valve

**Description:** In-line double union ball valve for water or weak chemicals  
**Mounting:** In any position  
**Maximum Fluid Pressure at 20°C:** 16bar  
**Fluid Temperature Range:** 0°C-60°C  
**Construction:**  
**Body:** PVC-U  
**Seals:** EPDM  
**Seats:** HDPE/PTFE  
**End Connections:** Solvent Sockets, (BSP Female Threaded on request)



Inch Solvent Cement Sockets

EPDM Seals  
HDPE/PTFE Seats

Size	Code	Price
1/2	8822-005	23.24
3/4	8822-007	27.59
1	8822-010	39.88
1 1/4	8822-012	43.29
1 1/2	8822-015	60.72
3	8822-020	90.10
3	8822-030	416.68
4	8822-040	539.92

Inch Solvent Cement Sockets

EPDM Seals  
HDPE/PTFE Seats

Size	Code	Price
20	8824-005	26.69
25	8824-007	31.70
32	8824-010	45.85
40	8824-012	49.73
50	8824-015	69.74
63	8824-020	103.66

## Economy Ball Valve White



Inch Solvent Cement Sockets

EPDM Seals  
HDPE Seats

Size	Code	Price
1 1/2	12.6625	52.67
2	12.6823	66.97

### Fast Delivery

We deliver using our own dedicated vehicles or next day carrier. Using our standard delivery service you can expect to receive your order within 24 hours - to your warehouse, factory or job-site



### ASV Stubbe C200 Dos Dosing Ball Valve

**Description:** In-line double union ball valve with flow indicator

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 16 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets (other options - threaded)

**Features:** Accurate flow control with 180° visible indicator



#### MM Solvent Cement Unions

EPDM Seals  
PTFE Seats

Size	Code	Price
20	146065	148.95
25	146066	171.52
32	146067	200.69

#### MM Solvent Cement Unions

FPM Seals  
PTFE Seats

Size	Code	Price
20	146106	169.82
25	146107	193.78
32	146108	228.73

#### Inch Solvent Cement Unions

EPDM Seals  
PTFE Seats

Size	Code	Price
1/2	146081	163.97
3/4	146082	187.41
1	146083	218.83

#### Inch Solvent Cement Unions

FPM Seals  
PTFE Seats

Size	Code	Price
1/2	146122	184.81
3/4	146123	210.48
1	146124	246.84

### Durapipe VKD Double Union Ball Valve

**Description:** In-line double union ball valve

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 16 bar

**Fluid Temperature Range:** 0°C - 60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets

**Features:** Safe blocked unions, multi-functional handle, easy actuator mounting platform and bracketing points included

**Options:** Electric or pneumatic actuation



#### Inch Solvent Cement Sockets

EPDM Seals  
PTFE Seats

Size	Code	Price
3/8	HODKE101	140.65
1/2	HODKE102	146.40
3/4	HODKE103	172.48
1	HODKE104	208.46
1 1/4	HODKE105	265.14
1 1/2	HODKE106	342.67
2	HODKE107	434.79
75/2.1/2"	HODKE312	936.75
3	HODKE109	1124.06
4	HODKE110	1545.56

#### Inch Solvent Cement Sockets

FPM Seals  
PTFE Seats

Size	Code	Price
1/2	HODKF102	174.80
3/4	HODKF103	207.23
1	HODKF104	258.71
1.1/4	HODKF105	313.71
1.1/2	HODKF106	411.56
2	HODKF107	564.34
75/2.1/2"	HODKF312	1124.08
3	HODKF109	1381.70
4	HODKF110	1756.38

#### MM Solvent Cement Sockets

EPDM Seals  
PTFE Seats

Size	Code	Price
16	HODKE305	140.65
20	HODKE306	146.70
25	HODKE307	172.62
32	HODKE308	208.26
40	HODKE309	265.12
50	HODKE310	342.47
63	HODKE311	434.95
75/2.1/2"	HODKE312	936.75
90	HODKE313	1124.06
110	HODKE314	1545.56

#### MM Solvent Cement Sockets

FPM Seals  
PTFE Seats

Size	Code	Price
20	HODKF306	174.76
25	HODKF307	207.19
32	HODKF308	258.71
40	HODKF309	313.77
50	HODKF310	411.70
63	HODKF311	564.25
75/2.1/2"	HODKF312	1124.08
90	HODKF313	1381.70
110	HODKF314	1756.38

Valve actuator bracket available on request

## Praher Type S4 T-Port & L-Port Ball Valve

**Description:** In-line horizontal T-port or L-port 3-way ball valve with lockable handle and union ends

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 16 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, BSP Female Thread, HDPE Fusion Spigots

**Option:** Silicon-free



### T-Port Ball Valve

#### Inch Solvent Cement Unions

EPDM Seals  
PTFE Seats

Size	Code	Price
3/8	12.0629	131.49
1/2	12.0631	131.49
3/4	12.2995	133.76
1	12.2195	133.76
1 1/4	12.2997	205.23
1 1/2	12.2752	205.23
2	12.2754	257.58

#### MM Solvent Cement Unions

EPDM Seals  
PTFE Seats

Size	Code	Price
16	12.0625	131.49
20	12.0627	131.49
25	12.1816	133.78
32	12.1774	133.78
40	12.2714	205.23
50	12.2715	205.23
63	12.2716	257.58

#### Inch Solvent Cement Unions

FPM Seals  
PTFE Seats

Size	Code	Price
3/8	12.0674	174.19
1/2	12.0676	174.19
3/4	12.0671	180.46
1	12.0657	180.46
1 1/4	12.0778	265.87
1 1/2	12.0773	268.10
2	12.0775	334.46

#### MM Solvent Cement Unions

FPM Seals  
PTFE Seats

Size	Code	Price
16	12.0667	174.19
20	12.0669	174.19
25	12.1831	180.45
32	12.0307	180.45
40	12.0767	265.87
50	12.0768	268.10
63	12.0769	334.46

### L-Port Ball Valve

#### Inch Solvent Cement Unions

EPDM Seals  
PTFE Seats

Size	Code	Price
3/8	12.0630	131.49
1/2	12.0633	131.49
3/4	12.2996	133.76
1	12.1897	133.76
1 1/4	12.2998	205.23
1 1/2	12.2753	205.23
2	12.2755	257.58

#### MM Solvent Cement Unions

EPDM Seals  
PTFE Seats

Size	Code	Price
16	12.0626	131.49
20	12.0628	131.49
25	12.1832	133.76
32	12.1833	133.76
40	12.2717	205.23
50	12.2718	205.23
63	12.2719	257.58

#### Inch Solvent Cement Unions

FPM Seals  
PTFE Seats

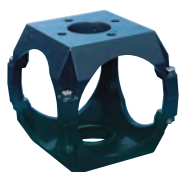
Size	Code	Price
3/8	12.0675	174.19
1/2	12.0677	174.19
3/4	12.0672	180.46
1	12.0658	180.46
1 1/4	12.0779	265.87
1 1/2	12.0774	268.10
2	12.0776	334.46

#### MM Solvent Cement Unions

FPM Seals  
PTFE Seats

Size	Code	Price
16	12.0668	174.19
20	12.0670	174.19
25	12.1834	180.46
32	12.1835	180.46
40	12.0770	265.87
50	12.0771	268.10
63	12.0772	334.46

## Praher Valve Bracket for Type S4 T or L-Port Ball Valve



Size	Code	Price
3/8"/16 & 1/2"/2	17.0042	43.22
3/4"/25 & 1"/32	17.0022	46.09
1 1/4"/40 & 1 1/2"/50	17.0001	52.00
2"/63	17.0018	58.20

**Includes:**

PVC-U Valve Bracket, Screws and Nuts



Valve shown complete with bracket

### Spears 2000 Horizontal T-Port & L-Port Ball Valve

**Description:** In-line horizontal 3-way T-port or L-port ball valve with lockable handle and union ends

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 1/2" to 2" - 16 bar;  
sizes 2 1/2" to 4" - 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, NPT Female Threaded, Flanged ANSI 150



#### Inch Solvent Cement Sockets

EPDM Seals  
PTFE Seats

Size	Code	Price
1/2	5022T1-005	200.31
3/4	5022T1-007	238.74
1	5022T1-010	289.61
1 1/4	5022T1-012	335.37
1 1/2	5022T1-015	393.62
2	5022T1-020	481.55
2 1/2	5022T1-025	1622.06
3	5022T1-030	1655.03
4	5022T1-040	2998.79

#### NPT Female Threaded Sockets

EPDM Seals  
PTFE Seats

Size	Code	Price
1/2	5021T1-005SR	206.91
3/4	5021T1-007SR	246.80
1	5021T1-010SR	297.32
1 1/4	5021T1-012SR	350.80
1 1/2	5021T1-015SR	419.26
2	5021T1-020SR	507.12
2 1/2	5021T1-025SR	1693.48
3	5021T1-030SR	1730.04
4	5021T1-040SR	3079.25

#### Flanged ANSI 150

EPDM Seals  
PTFE Seats

Size	Code	Price
1/2	5023T1-005	410.09
3/4	5023T1-007	428.39
1	5023T1-010	609.68
1 1/4	5023T1-012	1153.34
1 1/2	5023T1-015	1188.20
2	5023T1-020	1543.37
2 1/2	5023T1-025	2709.50
3	5023T1-030	2746.06
4	5023T1-040	3987.38

#### Inch Solvent Cement Sockets

FPM Seals  
PTFE Seats

Size	Code	Price
1/2	5032T1-005	217.13
3/4	5032T1-007	257.04
1	5032T1-010	318.95
1 1/4	5032T1-012	378.97
1 1/2	5032T1-015	430.29
2	5032T1-020	562.05
2 1/2	5032T1-025	1724.57
3	5032T1-030	1752.00
4	5032T1-040	3031.67

#### NPT Female Threaded Sockets

FPM Seals  
PTFE Seats

Size	Code	Price
1/2	5031T1-005SR	227.05
3/4	5031T1-007SR	265.09
1	5031T1-010SR	327.02
1 1/4	5031T1-012SR	393.62
1 1/2	5031T1-015SR	455.87
2	5031T1-020SR	589.47
2 1/2	5031T1-025SR	1795.97
3	5031T1-030SR	1823.38
4	5031T1-040SR	3112.22

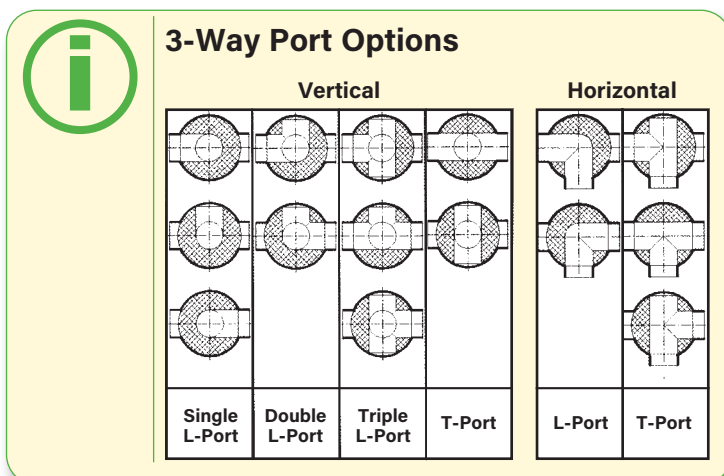
#### Flanged ANSI 150

FPM Seals  
PTFE Seats

Size	Code	Price
1/2	5033T1-005	428.39
3/4	5033T1-007	452.21
1	5033T1-010	666.41
1 1/4	5033T1-012	1221.13
1 1/2	5033T1-015	1243.09
2	5033T1-020	1620.24
2 1/2	5033T1-025	3174.47
3	5033T1-030	3189.08
4	5033T1-040	4357.15

\* The above codes are for T-Port,  
for L-Port insert L i.e. 5022L1-005

Please Note: The horizontal 'T' port  
valves have no branch shut off



## Spears 2000 Vertical T-Port & L-Port Ball Valve

**Description:** In-line vertical 3-way T-port or L-port ball valve with lockable handle and union ends

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 1/2" to 2" - 16 bar; sizes 2 1/2" to 4" - 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, NPT Female Threaded, Flanged ANSI 150



### Inch Solvent Cement Sockets

EPDM Seals  
PTFE Seats

Size	Code	Price
1/2	4722T1-005	199.20
3/4	4722T1-007	233.62
1	4722T1-010	284.13
1 1/4	4722T1-012	343.44
1 1/2	4722T1-015	397.28
2	4722T1-020	488.79
2 1/2	4722T1-025	1713.54
3	4722T1-030	1748.35
4	4722T1-040	3024.36

### Inch Solvent Cement Sockets

FPM Seals  
PTFE Seats

Size	Code	Price
1/2	4732T1-005	215.67
3/4	4732T1-007	254.86
1	4732T1-010	316.39
1 1/4	4732T1-012	406.43
1 1/2	4732T1-015	435.73
2	4732T1-020	565.69
2 1/2	4732T1-025	1733.72
3	4732T1-030	1764.82
4	4732T1-040	3053.68

### NPT Threaded Sockets

EPDM Seals  
PTFE Seats

Size	Code	Price
1/2	4721T1-005SR	202.56
3/4	4721T1-007SR	241.63
1	4721T1-010SR	292.17
1 1/4	4721T1-012SR	359.55
1 1/2	4721T1-015SR	422.92
2	4721T1-020SR	516.23
2 1/2	4721T1-025SR	1784.96
3	4721T1-030SR	1819.79
4	4721T1-040SR	3104.93

### NPT Threaded Sockets

FPM Seals  
PTFE Seats

Size	Code	Price
1/2	4731T1-005SR	218.95
3/4	4731T1-007SR	262.55
1	4731T1-010SR	324.02
1 1/4	4731T1-012SR	421.05
1 1/2	4731T1-015SR	461.30
2	4731T1-020SR	593.19
2 1/2	4731T1-025SR	1805.10
3	4731T1-030SR	1838.07
4	4731T1-040SR	3134.23

### Flanged ANSI 150

EPDM Seals  
PTFE Seats

Size	Code	Price
1/2	4723T1-005	411.90
3/4	4723T1-007	432.05
1	4723T1-010	616.94
1 1/4	4723T1-012	1162.52
1 1/2	4723T1-015	1206.48
2	4723T1-020	1554.34
2 1/2	4723T1-025	2720.46
3	4723T1-030	2757.05
4	4723T1-040	4009.25

### Flanged ANSI 150

FPM Seals  
PTFE Seats

Size	Code	Price
1/2	4733T1-005	426.60
3/4	4733T1-007	450.37
1	4733T1-010	668.25
1 1/4	4733T1-012	1228.42
1 1/2	4733T1-015	1243.08
2	4733T1-020	1622.06
2 1/2	4733T1-025	3170.81
3	4733T1-030	3192.80
4	4733T1-040	4199.71

\* The above codes are for T-Port,  
for L-Port insert L i.e. 4722L1-005



### Additional L-Port Options

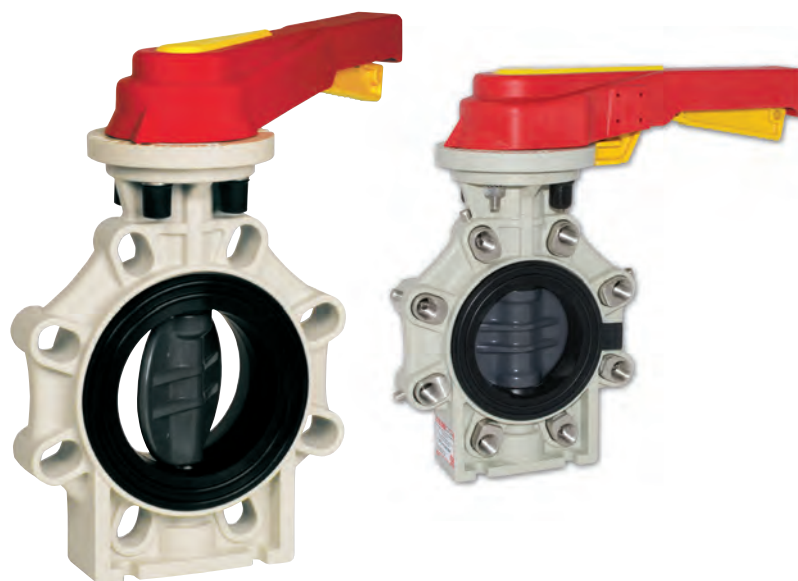
The Spears 2000 Vertical L-Port Ball Valve is also available at additional cost with:

- Double L-Port Function
- Triple L-Port Function

Please enquire for details and prices.



# Praher K4 Butterfly Valve



Locking Handle



Universal Drilling



PP-GF Body  
PVCu disc



Support Lugs in  
Base



Lugged Type

## Features

- Only Body Seal and Disc in contact with media
- Double sealed shaft
- Valve support lugs in base
- Direct actuator mounting
- Low torque operation
- Multi-position Lockable Handle
- Manual or Gear operation
- All sizes PN10 rated
- Universal drilling - can be used with DIN, ANSI, BS and JIS flanges
- Lugged version available

## Materials

Body - PP-GF  
Disc - PVCu  
Seals - EPDM or FPM

## Sizes

2 1/2" - 8"

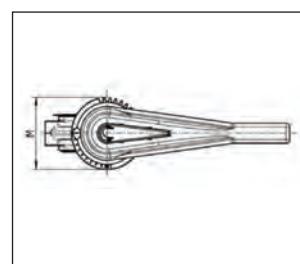
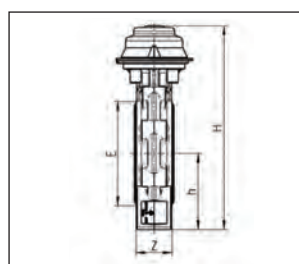
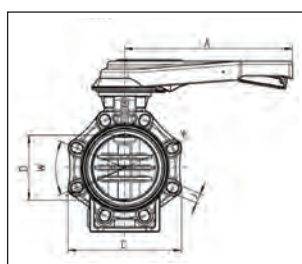
## Pressure Rating

PN10

## Connections

Between flanges, universally drilled

## Valve Dimensions



Size	2 1/2"/75	3"/90	4"/110	6"/160	8"/225
A	230	230	300	386	386
D	65	80	100	150	200
C	133	176	206	261	314
W	90°	45°	45°	45°	45°
J	19	19	19	23	23
K	127-145	146-160	175-190.5	234.5-241.3	290-298.5
H	285	292	322	396	458
h	100	100	115	147.5	175
E	98	116	146	196	251
M	114	114	114	150	150
Z	46	49	56	70	71
PN	10 bar	10 bar	10 bar	10 bar	10 bar

Dimensions in mm

## Praher Type K4 Butterfly Valve

**Description:** butterfly valve with universal drilling for mounting between flanges. (DIN, ANSI & BS)

**Construction:**

**Body:** PP-GF

**Disc:** PVCu

**Seals:** EPDM or FPM

**Pressure rating:** PN10

**Size:** 2"/75mm - 8"/225mm

**Options:** - Lug type, gear operated  
- Position feedback



### Lever Operated

EPDM Seals

Size	Code	Price
2"/63	12.8560	288.04
2.½"/75	12.5860	288.03
3"/90	12.5861	338.00
4"/110	12.5862	368.85
5"/140	12.8456	519.84
6"/140	12.5863	603.90
8"/225	12.5864	845.78

### Lever Operated

FPM Seals

Size	Code	Price
2"/63	12.8562	425.47
2.½"/75	12.5865	425.47
3"/90	12.5866	526.72
4"/110	12.5867	581.61
5"/140	12.8457	743.69
6"/160	12.5868	833.78
8"/225	12.5869	1122.71



\* Installation in PE100 SDR17 - stub flanges need to be chamfered, please see page 297

### Lugged DIN

EPDM Seals

Size	Code	Price
2.½"/75	12.8560 LD	486.91
3"/90	12.8561 LD	675.91
4"/110	12.5862 LD	706.98
5"/140	12.8456 LD	1067.33
6"/160	12.5863 LD	1360.33
8"/225	12.5864 LD	1603.71

FPM seals available on request

### Lugged ANSI

EPDM Seals

Size	Code	Price
2.½"/75	12.5860 LA	486.91
3"/90	12.5861 LA	675.91
4"/110	12.5862 LA	706.98
5"/140	12.8456 LA	1067.33
6"/160	12.5863 LA	1360.33
8"/225	12.5864 LA	1603.71

FPM seals available on request



### Gear Operated

EPDM Seals

Size	Code	Price
2.½"/75	12.6010	671.14
3"/90	12.6011	720.90
4"/110	12.6012	733.44
5"/140	12.8761	877.79
6"/160	12.6013	855.83
8"/225	12.6014	1219.48

### Gear Operated

FPM Seals

Size	Code	Price
2.½"/75	12.6015	791.10
3"/90	12.6016	909.61
4"/90	12.6017	946.17
5"/140	12.8763	1107.23
6"/160	12.6018	1207.44
8"/225	12.6019	1497.39

### Spears Butterfly Valve

**Description:** Wafer style butterfly valve  
**Mounting:** In any position, between flanges to ANSI 150  
**Maximum Fluid Pressure at 20°C:** 10 bar  
**Fluid Temperature Range:** 0°C-60°C  
**Construction:**  
**Body and Disc:** PVC-U  
**Disc:** Glass Reinforced PVC-U  
**Seals:** EPDM or FPM  
**Shaft:** Stainless Steel 316  
**End Connections:** Flange mounted (flanges not included)



#### Lever Operated

EPDM Seals	Size	Code	Price
	1½	722311-015	473.26
	2	722311-020	514.43
	2½	722311-025	543.73
	3	722311-030	547.45
	4	722311-040	584.01
	6	722311-060	864.07
	8	722311-080	1633.07

FPM Seals	Size	Code	Price
	1½	723311-015	823.87
	2	723311-020	842.18
	2½	723311-025	886.08
	3	723311-030	931.85
	4	723311-040	1005.12
	6	723311-060	1407.84
	8	723311-080	1812.45

Also available bare shaft for remote or actuator mounting.  
 Please enquire for details.

#### Gear Operated

EPDM Seals	Size	Code	Price
	1½	722321-015	1453.64
	2	722321-020	1473.75
	3	722321-030	1517.71
	4	722321-040	1592.72
	6	722321-060	1914.90
	8	722321-080	2585.01
	10	722321-100	3496.72
	12	722321-120	4818.51

FPM Seals	Size	Code	Price
	1½	723321-015	2032.14
	2	723321-020	2050.41
	3	723321-030	2163.93
	4	723321-040	2215.18
	6	723321-060	2903.59
	8	723321-080	3485.70
	10	723321-100	7722.11
	12	723321-120	13887.99

### Durapipe FK Butterfly Valve

**Description:** Wafer style butterfly valve  
**Mounting:** In any position, between flanges to BS4504 PN10; BS10 table D/E, or ANSI 150  
**Maximum Fluid Pressure at 20°C:** 10 bar  
**Fluid Temperature Range:** 0°C - 60°C  
**Construction:**  
**Body:** Glass reinforced polypropylene  
**Disc:** PVC-U  
**Seals:** EPDM, FPM or NBR  
**End Connections:** Flange mounted (Flanges not included)  
**Options:** Lever or gear operation; electric or pneumatic actuation



#### Lever Operated

EPDM Seals	Size	Code	Price
	1½"/50mm	HOFKE106	459.70
	2"/63mm	HOFKE107	484.92
	2½"/75mm	HOFKE108	532.56
	3"/90mm	HOFKE109	586.86
	4"/110mm	HOFKE110	710.85
	5"/140mm	HOFKE111	920.31
	6"/160mm	HOFKE112	1131.67
	8"/225mm	HOFKE113	1684.40

FPM Seals	Size	Code	Price
	1½"/50mm	HOFKF106	512.36
	2"/63mm	HOFKF107	589.05
	2½"/75mm	HOFKF108	653.93
	3"/90mm	HOFKF109	685.93
	4"/110mm	HOFKF110	819.11
	5"/140mm	HOFKF111	1030.31
	6"/160mm	HOFKF112	1264.74
	8"/225mm	HOFKF113	1846.47

#### Gear Operated

EPDM Seals	Size	Code	Price
	2½"/75mm	HVFKE108	1319.00
	3"/90mm	HVFKE109	1344.02
	4"/90mm	HVFKE110	1324.72
	5"/140mm	HVFKE111	1706.30
	6"/160mm	HVFKE112	1888.75
	8"/180mm	HVFKE113	2610.60
	10"/250mm	HVFKE114	4247.73
	12"/315mm	HVFKE115	4950.06

FPM Seals	Size	Code	Price
	2½"/75mm	HVFKF108	1439.78
	3"/90mm	HVFKF109	1471.79
	4"/110mm	HVFKF110	1604.93
	5"/140mm	HVFKF111	1816.16
	6"/160mm	HVFKF112	2050.64
	8"/225mm	HVFKF113	2777.41
	10"/250mm	HVFKF114	7832.11
	12"/315mm	HVFKF115	8479.68

## Asahi Type 57 Butterfly Valve

**Description:** Wafer style butterfly valve

**Mounting:** In any position, between flanges to ANSI 150

**Maximum Fluid Pressure at 20°C:** Sizes 1½" to 10" : 10 bar

Sizes 12" to 14" : 6.9 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Disc:** PVC-U, Polypropylene or PVDF

**Seals:** EPDM, FPM or Nitrile

**Shaft:** Stainless Steel 316

**End Connections:** Flange mounted (flanges not included)



### PVC-U Disc

Lever Operated  
EPDM Seals

Size	Code	Price
1½	3722-015	571.30
2	3722-020	598.47
2½	3722-025	671.93
3	3722-030	647.43
4	3722-040	753.53
6	3722-060	1131.64
8	3722-080	2097.37

Lever Operated  
FPM Seals

Size	Code	Price
1½	3724-015	908.55
2	3724-020	1079.96
2½	3724-025	1161.58
3	3724-030	938.54
4	3724-040	1142.54
6	3724-060	1847.07
8	3724-080	3084.80

### Polypropylene Disc

Lever Operated  
EPDM Seals

Size	Code	Price
1½	3730-015	571.30
2	3730-020	598.47
2½	3730-025	671.93
3	3730-030	647.43
4	3730-040	753.53
6	3730-060	1131.64
8	3730-080	2097.37

Lever Operated  
Nitrile Seals

Size	Code	Price
1½	3732-015	571.30
2	3732-020	598.47
2½	3732-025	671.93
3	3732-030	647.43
4	3732-040	753.53
6	3732-060	1131.64
8	3732-080	2097.37

Lever Operated  
FPM Seals

Size	Code	Price
1½	3731-015	908.55
2	3731-020	1079.96
2½	3731-025	1161.58
3	3731-030	938.54
4	3731-040	1142.54
6	3731-060	1847.07
8	3731-080	3084.80

### PVDF Disc

Lever Operated  
EPDM Seals

Size	Code	Price
1½	3733-015	595.74
2	3733-020	612.06
2½	3733-025	704.55
3	3733-030	731.75
4	3733-040	840.57
6	3733-060	1531.52
8	3733-080	2652.28

Lever Operated  
FPM Seals

Size	Code	Price
1½	3734-015	1096.28
2	3734-020	1264.95
2½	3734-025	1384.65
3	3734-030	1207.80
4	3734-040	1444.49
6	3734-060	2567.98
8	3734-080	4240.95



### Additional Options

- Lug style for blocking and end-of-line applications
- Titanium and Hastelloy stem
- Stem extensions
- Chain operators

Please enquire for details and prices.

### Implex Economy Butterfly Valve

**Description:** Wafer style butterfly valve

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 2"/63mm to 5"/140mm - 10 bar;

Sizes 6"/160mm to 10"/250mm - 6 bar

**Fluid Temperature Range:** 0°C-50°C

**Construction:**

**Body and Disc:** PVC-U **Seals:** EPDM

**Shaft:** Stainless Steel **End Connections:** Flanged



Valve shown flanged style

Wafer Style EPDM Seals	Lever Operated		
	Size	Code	Price
	2/63	09626	186.58
	2.1/75	09627	194.03
	3/90	09628	220.88
	4/110	09629	242.89
	125	09630	278.98
	5/140	09631	287.94
	6/160	09632	331.43
	8/225	09633	477.99
	10/250	09634	917.53
	12/315	09635	2885.76

Flanged PN10 EPDM Seals	Lever Operated		
	Size	Code	Price
	3	09071	295.63
	4	09072	337.80
	6	09074	584.81
	8	09075	827.95

Flanged PN10 EPDM Seals	Lever Operated		
	Size	Code	Price
	63	09640	195.54
	75	09641	210.90
	90	09642	295.63
	110	09643	337.80
	125	09644	403.15
	5"/140	09645	441.53
	160	09646	584.81
	200	09647	827.95
	225	09648	827.95
	250	09649	1635.46
	315	09650	4360.31

### Clamp Union Sight Glass

**Description:** Clear Sight Glass with Clamp Union Connections

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 2"/63mm to 6"/160mm 10 bar

**Fluid Temperature Range:** 0°C - 60°C

**Construction:**

**Body:** Clear PVC-U

**Seals:** EPDM

**End Connections:** Clamp Unions in PVC-U or PE



EPDM Seals	Inch Clamp Union Connections		
	Size	Code	Price
	3	18038	163.32
	4	18039	185.71
	5/140	18011	283.87
	6	18042	415.06

EPDM Seals	MM Clamp Union Connections		
	Size	Code	Price
	40	18004	107.12
	50	18005	107.12
	63	18006	129.36
	75	18007	158.86
	90	18008	169.85
	110	18009	193.13
	125	18010	222.33
	5/140	18011	283.87
	160	18012	431.65
	200	18013	636.12



Spears Needle Valve

**Description:** Globe or Angle pattern flow control valve  
**Mounting:** In any position  
**Maximum Fluid Pressure at 20°C:** 16 bar  
**Fluid Temperature Range:** 0°C-60°C  
**Construction:**  
**Body:** PVC-U  
**Seal:** PTFE  
**End Connections:** Female NPT Threaded  
**Feature:** Built-in panel or bracket mounting nut



Globe Pattern Valve

Size	Code	Price
1/4	5591-002	147.25
3/8	5591-003	147.25

Angle Pattern Valve

Size	Code	Price
1/4	5691-002	147.25
3/8	5691-003	147.25

Ball Float Valve

**Description:** Liquid level control valve  
**Mounting:** In a horizontal position  
**Maximum Fluid Pressure at 20°C:** 10 bar  
**Fluid Temperature Range:** 0°C-60°C  
**Construction:**  
**Body:** Polypropylene  
**Arm:** Polypropylene  
**Float:** Polypropylene  
**End Connections:** BSP male threaded



Adjustable Cam

Size	Code	Price
1/2	HA/BVADJ/1PE/EP	62.62
1	HA/BVADJ/5PE/EP	220.97
1.1/2	HA/BVADJ/7PE/EP	267.00

Adjustable Cam Design  
5 Different Positions

Praher Laboratory Ball Valve

**Description:** In-line ball valve with accessories  
**Mounting:** In any position  
**Maximum Fluid Pressure at 20°C:** 10 bar  
**Fluid Temperature Range:** 0°C-60°C  
**Construction:**  
**Body:** PVC-U  
**Seals:** EPDM or FPM  
**Seats:** PTFE  
**End Connections:** BSP or NPT Threaded



	Size	Code	Price
BSP male x BSP female EPDM seals	1/4	122.353	43.84
NPT male x NPT female EPDM seals	1/4	122.355	43.84
BSP male x BSP female FPM seals	1/4	122.354	54.36
NPT male x NPT female FPM seals	1/4	122.356	54.36

	Size	Code	Price
BSP hose nozzle	1/4	141.144	8.43
NPT hose nozzle	1/4	14.0203	8.36
BSP male x BSP female EPDM seals	3/8x1/4	122.751	43.84
BSP male x BSP female FPM seals	3/8x1/4	122.757	54.36

# Praher T4 Diaphragm Valve



Lockable Handle



Visual Position Indicator



Optional Valve Support Plates

## General

Sealing material: EPDM / EPDM-PTFE / FPM

Body material: PVC-u - PP - PVDF

Dimensions: DN 15/d 20 - DN125/d140

## Operating Pressure

DN 15 / 1/2" - DN 125 / 5" 10 bar

## Connections

Solvent cement socket (ASTM, DIN, JIS)  
Solvent cement spigot (DN 15 - DN 65)

(ASTM, DIN, JIS)

Flange connection (ANSI, ASA, DIN, JIS)  
DN65 with stub flange and backing ring



## Features

- Safety gear wheel
- Corrosion Resistant
- Maintenance free operation over a long working life
- Suitable for aggressive and dirty media
- Radial installation or removal
- Easy replacement of the diaphragms

## Technical Specification

For example:

TYPE PRAHER, DIN 2403

PVC Diaphragm valve T4 DN 15 d20

Solvent cement spigot ASTM

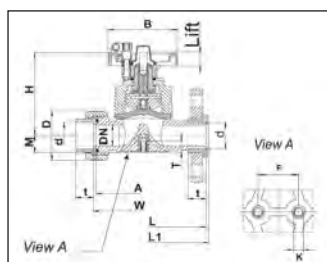
Sealing material EPDM-PTFE

Safety gear wheel

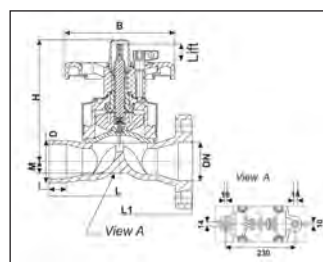
Max. Operating pressure 10 bar

## Valve Dimensions

DN 15 - DN 50



DN 65 - DN 80



d	20	25	32	40	50	63	75	90	110	140
DN	15	20	25	32	40	50	65	80	100	125
G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"
M	17.0	17.0	21.0	33.0	33.0	40.3	25.0	25.0	25.0	25.0
H	100.0	100.0	107.0	144.0	144.0	170.0	260.0	260.0	330.0	330.0
B	86.0	86.0	86.0	136.0	136.0	136.0	234.0	234.0	234.0	234.0
D	43.0	53.0	60.0	74.0	83.0	103.0	-	-	-	-
F	25.0	25.0	25.0	45.0	45.0	45.0	-	-	-	-
Lift	9.0	9.0	11.0	22.0	22.0	28.0	35.0	35.0	45.0	45.0
K	M6	M6	M6	M8	M8	M8	-	-	-	-
L	124.0	144.0	154.0	174.0	194.0	224.0	284.0	-	-	-
L1	130.0	150.0	160.0	180.0	200.0	230.0	300.0	310.0	350.0	400.0
T	12.0	12.0	12.0	15.0	15.0	15.0	-	-	-	-
Z	96.0	114.0	122.0	142.0	160.0	190.0	-	-	-	-
A	90.0	108.0	116.0	136.0	154.0	184.0	-	-	-	-
t	16.0	19.0	22.0	26.0	31.0	38.0	44.0	54.5	-	-
PN	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Dimensions in mm

## Praher Type T4 Diaphragm Valve

**Description:** In-line diaphragm valve with position indicator

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Diaphragm:** EPDM, FPM or PTFE (EPDM backed)

**End Connections:** Solvent Sockets, Solvent Spigots, Flanged BS4504 EN1072 PN10

**Option:** Silicon-free



EPDM Diaphragm	Inch Solvent Cement Unions		
	Size	Code	Price
	½	122.905	120.49
	¾	122.906	130.83
	1	122.907	163.43
	1¼	122.908	235.33
	1½	122.909	256.66
	2	122.910	316.70

PTFE Diaphragm	Inch Solvent Cement Unions		
	Size	Code	Price
	½	122.926	249.23
	¾	122.927	261.06
	1	122.928	298.96
	1¼	122.929	423.27
	1½	122.930	460.27
	2	122.931	581.67

FPM Diaphragm	Inch Solvent Cement Unions		
	Size	Code	Price
	½	122.911	249.23
	¾	122.912	261.06
	1	122.913	298.96
	1¼	122.914	423.27
	1½	122.915	460.27
	2	122.916	581.67

EPDM Diaphragm	Flanged PN10		
	Size	Code	Price
	½	12.0189	129.95
	¾	12.0190	144.13
	1	12.0191	175.19
	1¼	12.0192	267.02
	1½	12.0193	288.30
	2	12.0194	356.69
	2½	12.0198	778.44
	3	12.0200	924.95
	4	12.0898	1326.03
	5	12.0899	1657.54

EPDM Diaphragm	MM Solvent Cement Unions		
	Size	Code	Price
	20	122.212	114.53
	25	122.213	124.32
	32	122.214	155.39
	40	122.215	224.08
	50	122.216	244.21
	63	122.217	301.93

PTFE Diaphragm	MM Solvent Cement Unions		
	Size	Code	Price
	20	122.832	237.40
	25	122.834	248.65
	32	122.835	284.44
	40	122.836	402.54
	50	122.837	438.07
	63	122.838	553.50

FPM Diaphragm	MM Solvent Cement Unions		
	Size	Code	Price
	20	122.376	237.40
	25	122.377	248.65
	32	122.378	284.44
	40	122.379	402.54
	50	122.380	438.07
	63	122.381	553.50

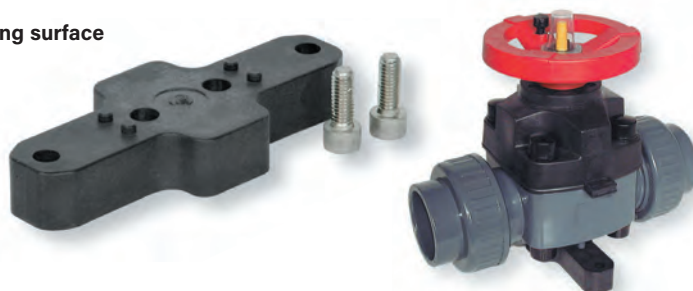
PTFE Diaphragm	Flanged PN10		
	Size	Code	Price
	½	12.0212	255.77
	¾	12.0213	265.52
	1	12.0216	315.28
	1¼	12.0217	491.32
	1½	12.0218	512.10
	2	12.0219	645.21
	2½	12.0227	1228.38
	3	12.0228	1374.89
	4	12.0896	1832.20
	5	12.0897	2004.86

## Praher Diaphragm Valve Mounting Plate

✓ Ensures clearance of union nut from mounting surface

✓ Complete with two fixing screws

Valve Size	Plates Thickness	Code	Price
20	16.0	14.0103	9.96
25/32	23.0	14.0102	9.96
40	18.5	14.0123	16.19
50/63	23.5	14.0109	16.19



Praher diaphragm valve shown with mounting plate

### Spears Diaphragm Valve

**Description:** In-line diaphragm valve with position indicator

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 1/2" to 2" - 16 bar (PTFE diaphragm - 10 bar); sizes 2 1/2" to 4" - 10 bar; size 6" - 6.5 bar; size 8" - 5 bar  
Flanged valves (where size permits) - 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seat:** EPDM, FPM, PTFE (EPDM backed) or PTFE (FPM backed)

**End Connections:** Solvent Sockets, Solvent Spigots, NPT Female Threaded, Flanged

**Features:** Sizes 1/2" to 2" Solvent Socket valves also include NPT Female Threaded end connections



#### Inch Solvent Cement Unions

EPDM Diaphragm  
EPDM Seals

Size	Code	Price
1/2	2729-005	187.44
3/4	2729-007	212.78
1	2729-010	262.13
1 1/4	2729-012	393.62
1 1/2	2729-015	413.72
2	2729-020	488.80

#### Inch Solvent Cement Unions

FPM Diaphragm  
FPM Seals

Size	Code	Price
1/2	2739-005	208.35
3/4	2739-007	236.16
1	2739-010	287.77
1 1/4	2739-012	466.83
1 1/2	2739-015	477.83
2	2739-020	578.52

#### Inch Solvent Cement Unions

PTFE Diaphragm  
EPDM Backed  
EPDM Seals

Size	Code	Price
1/2	2729T-005	298.49
3/4	2729T-007	318.95
1	2729T-010	461.31
1 1/4	2729T-012	633.48
1 1/2	2729T-015	675.54
2	2729T-020	770.75

#### Inch Solvent Cement Unions

PTFE Diaphragm  
FPM Backed  
FPM Seals

Size	Code	Price
1/2	2739VT-005	410.09
3/4	2739VT-007	443.04
1	2739VT-010	563.87
1 1/4	2739VT-012	759.78
1 1/2	2739VT-015	787.24
2	2739VT-020	986.77

#### Flanged ANSI 150

EPDM Diaphragm  
EPDM Seals

Size	Code	Price
1/2	2723-005	299.12
3/4	2723-007	336.15
1	2723-010	378.97
1 1/4	2723-012	514.43
1 1/2	2723-015	519.93
2	2723-020	618.79
2 1/2	2723-025	1036.20
3	2723-030	1384.07
4	2723-040	1918.65
6	2723-060	4880.76
8	2723-080	9307.48

#### Flanged ANSI 150

FPM Diaphragm  
FPM Seals

Size	Code	Price
1/2	2733-005	323.69
3/4	2733-007	344.52
1	2733-010	422.92
1 1/4	2733-012	569.37
1 1/2	2733-015	580.36
2	2733-020	660.91
2 1/2	2733-025	1184.50
3	2733-030	1537.83
4	2733-040	2090.71
6	2733-060	5422.62
8	2733-080	9761.43

#### Flanged ANSI 150

PTFE Diaphragm  
EPDM Backed  
EPDM Seals

Size	Code	Price
1/2	2793T-005	410.09
3/4	2793T-007	443.04
1	2793T-010	563.87
1 1/4	2793T-012	759.79
1 1/2	2793T-015	787.24
2	2793T-020	882.43
2 1/2	2793T-025	1636.69
3	2793T-030	2145.58
4	2793T-040	2973.15
6	2793T-060	7696.44
8	2793T-080	11420.17

#### Flanged ANSI 150

PTFE Diaphragm  
FPM Backed  
FPM Seals

Size	Code	Price
1/2	2793VT-005	448.56
3/4	2793VT-007	499.80
1	2793VT-010	631.68
1 1/4	2793VT-012	838.48
1 1/2	2793VT-015	873.33
2	2793VT-020	1008.77
2 1/2	2793VT-025	1874.70
3	2793VT-030	2372.63
4	2793VT-040	3302.66
6	2793VT-060	8454.33
8	2793VT-080	12829.82

## Spears Y-Pattern Valve

**Description:** In-line Y-Pattern throttling valve

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 1/2" to 2" - 10 bar; sizes 2 1/2" to 4" - 6 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U (grey or clear)

**Seat:** EPDM or FPM

**End Connections:** Solvent Sockets, Reinforced NPT Female Threaded, Flanged

**Features:** Globe valve design provides proportional opening to seating disc travel for more accurate flow control.

Ideal for adjusting flow through variable area flowmeters.

Special semi-rigid seating disc eliminates vibration for more accurate flow control

Y-Pattern reduces flow restriction over standard globe valve



### Inch Solvent Cement Sockets

Grey Body  
EPDM

Size	Code	Price
1/2	1722-005	192.94
3/4	1722-007	225.90
1	1722-010	270.58
1 1/4	1722-012	329.49
1 1/2	1722-015	442.44
2	1722-020	626.87
3	1722-030	1348.71
4	1722-040	2289.87

### Inch Solvent Cement Sockets

Clear Body  
EPDM

Size	Code	Price
1/2	1722-005CL	241.03
3/4	1722-007CL	282.59
1	1722-010CL	338.07
1 1/4	1722-012CL	413.43
1 1/2	1722-015CL	551.13
2	1722-020CL	783.96
3	1722-030CL	1686.34
4	1722-040CL	2860.40

### NPT Female Threaded

Stainless Steel Reinforced

Grey Body  
EPDM

Size	Code	Price
1/2	1721-005SR	200.24
3/4	1721-007SR	237.20
1	1721-010SR	285.29
1 1/4	1721-012SR	390.09
1 1/2	1721-015SR	479.35
2	1721-020SR	675.30
3	1721-030SR	1447.64
4	1721-040SR	2394.67

### Flanged ANSI 150

Grey Body  
EPDM

Size	Code	Price
1/2	1723-005	270.58
3/4	1723-007	311.32
1	1723-010	366.78
1 1/4	1723-012	430.82
1 1/2	1723-015	541.43
2	1723-020	760.75
3	1723-030	1482.55
4	1723-040	2941.87

### Inch Solvent Cement Sockets

Grey Body  
FPM

Size	Code	Price
1/2	1732-005	203.77
3/4	1732-007	241.03
1	1732-010	289.19
1 1/4	1732-012	362.86
1 1/2	1732-015	467.71
2	1732-020	667.53
3	1732-030	1467.11
4	1732-040	2491.70

### Inch Solvent Cement Sockets

Clear Body  
FPM

Size	Code	Price
1/2	1732-005CL	254.62
3/4	1732-007CL	301.18
1	1732-010CL	361.36
1 1/4	1732-012CL	454.09
1 1/2	1732-015CL	584.15
2	1732-020CL	834.47
3	1732-030CL	1833.84
4	1732-040CL	3116.59

### NPT Female Threaded

Stainless Steel Reinforced

Grey Body  
FPM

Size	Code	Price
1/2	1731-005SR	211.15
3/4	1731-007SR	251.92
1	1731-010SR	303.96
1 1/4	1731-012SR	411.38
1 1/2	1731-015SR	500.75
2	1731-020SR	708.35
3	1731-030SR	1568.03
4	1731-040SR	2596.49

### Flanged ANSI 150

Grey Body  
FPM

Size	Code	Price
1/2	1733-005	281.42
3/4	1733-007	326.06
1	1733-010	381.56
1 1/4	1733-012	459.88
1 1/2	1733-015	566.64
2	1733-020	797.61
3	1733-030	1601.03
4	1733-040	3120.48



### Valterra Slide Gate Valve

**Description:** In-line manually operated slide gate valve

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 1½"/50mm - 3.4 bar; 2"/63mm - 2.5 bar; 3"/90mm - 2 bar; 4"/110mm - 1.4 bar; 6" & 8" - 1 bar

**Fluid Temperature Range:** 0°C-40°C

**Construction:**

**Body:** ABS or PVC-U

**Seals:** Santopreme

**Paddle:** Polypropylene or Stainless Steel

**End Connections:** Solvent Socket, Solvent Spigot, NPT Threaded



#### Inch or mm Solvent Cement Sockets

Size	Connections	Colour	Body	Sockets	Paddle	Handle	Code	Price
1½"	Socket x Socket	Black	ABS	ABS	Polypropylene	Plastic	I7101	28.21
1½"	Socket x Socket	White	ABS	PVC-U	Polypropylene	Plastic	I6101	28.21
43x1½"	Socket x Socket	Black	ABS	PVC-U	Polypropylene	Plastic	I7143IP	30.10
50mm	Socket x Socket	Grey	PVC-U	PVC-U	Polypropylene	Plastic	I8101	28.20
2"	Socket x Socket	Black	ABS	ABS	Polypropylene	Plastic	I7201	41.71
2"	Socket x Socket	White	ABS	PVC-U	Polypropylene	Plastic	I6201	40.95
2"	Socket x Socket	Black	ABS	ABS	Stainless Steel	Plastic	I5201	61.76
63mm	Socket x Socket	Grey	PVC-U	PVC-U	Polypropylene	Plastic	I8201	40.95
3"	Socket x Socket	Black	ABS	ABS	Polypropylene	Plastic	I7301	54.48
3"	Socket x Socket	White	ABS	PVC-U	Polypropylene	Plastic	I6301	53.46
3"	Socket x Socket	Black	ABS	ABS	Stainless Steel	Plastic	I5301	74.25
90mm	Socket x Socket	Grey	PVC-U	PVC-U	Polypropylene	Plastic	I8301	55.49
4"	Socket x Socket	Grey	PVC-U	PVC-U	Stainless Steel	Metal	I6401	200.73
110mm	Socket x Socket	Grey	PVC-U	PVC-U	Stainless Steel	Metal	I8401	841.03
6"	Socket x Socket	White	PVC-U	PVC-U	Stainless Steel	Metal	I6601	760.44
160mm	Socket x Socket	White	PVC-U	PVC-U	Stainless Steel	Metal	I8601	760.45
8"	Socket x Socket	White	PVC-U	PVC-U	Stainless Steel	Metal	I6801	1039.65
10"	Socket x Socket	White	PVC-U	PVC-U	Stainless Steel	Metal	6910	1941.73



#### Low Cost Flow Control

The Valtterra Slide Gate Valve is a simple "pull to open, push to close" valve designed for low pressure applications. In addition to the valve, a range of optional end connections and fittings is also available. Please enquire for details.

## Spears Gate Valve

**Description:** In-line gate valve with non rising stem

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes up to 2" - 14 bar; 3" - 10 bar; 4" - 6 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Gate:** Polypropylene

**Seals:** EPDM or FPM

**Bonnet:** PVC-U except 4" which is Stainless Steel 316

**End Connections:** Solvent Sockets, BSP or NPT Threaded, Flanged.



### Inch Solvent Cement Sockets

EPDM Seals

Size	Code	Price
½	2022-005	54.30
¾	2022-007	63.68
1	2022-010	75.72
1¼	2022-012	104.42
1½	2022-015	134.28
2	2022-020	171.16
3	2022-030	1001.35
4	2022-040	1983.25

### BSP Threaded Sockets

EPDM Seals

Size	Code	Price
½	2025-005	51.97
¾	2025-007	63.68
1	2025-010	75.72
1¼	2025-012	104.42
1½	2025-015	134.28
2	2025-020	171.16

### MM Solvent Cement Sockets

EPDM Seals

Size	Code	Price
20	2024-005	46.71
25	2024-007	57.23
32	2024-010	68.04
40	2024-012	93.83
50	2024-015	120.67
63	2024-020	153.77

### Flanged ANSI 150

EPDM Seals

Size	Code	Price
½	2023-005	259.62
¾	2023-007	291.48
1	2023-010	319.41
1¼	2023-012	365.62
1½	2023-015	425.03
2	2023-020	504.60
2½	2023-025	1521.43
3	2023-030	1521.43
4	2023-040	2487.80

### Inch Solvent Cement Sockets

FPM Seals

Size	Code	Price
½	2032-005	57.42
¾	2032-007	67.15
1	2032-010	83.11
1¼	2032-012	114.92
1½	2032-015	146.37
2	2032-020	187.88
3	2032-030	1100.32
4	2032-040	2181.23

### BSP Threaded Sockets

FPM Seals

Size	Code	Price
½	2035-005	57.42
¾	2035-007	67.15
1	2035-010	83.11
1¼	2035-012	114.92
1½	2035-015	146.37
2	2035-020	187.88

### MM Solvent Cement Sockets

FPM Seals

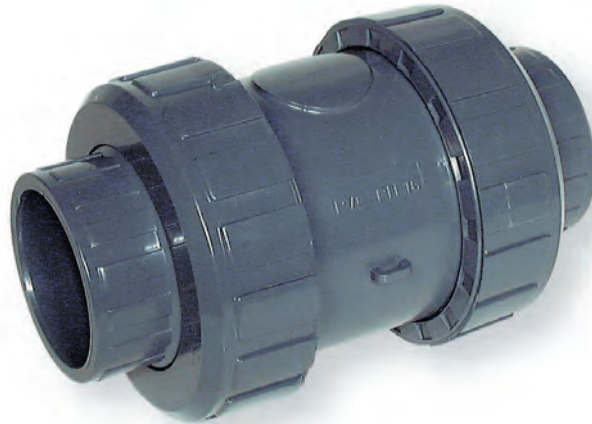
Size	Code	Price
20	2034-005	49.14
25	2034-007	57.47
32	2034-010	71.11
40	2034-012	98.35
50	2034-015	125.26
63	2034-020	160.75

### Flanged ANSI 150

FPM Seals

Size	Code	Price
½	2033-005	297.70
¾	2033-007	332.66
1	2033-010	367.16
1¼	2033-012	434.70
1½	2033-015	498.74
2	2033-020	539.53
2½	2033-025	1672.81
3	2033-030	1672.81
4	2033-040	2736.20

# Praher S4 Check Valve



True Union Design



Tagging Point



Shuttle Design

## Materials

Body - PVCu  
Seals - EPDM or FPM

## Sizes

3/8" - 4"/16mm - 110mm

## Pressure Rating

3/8"/16mm to 2.1/2"/75mm - 16 bar  
3"/90mm - 10 bar  
4"/110mm - 6 bar

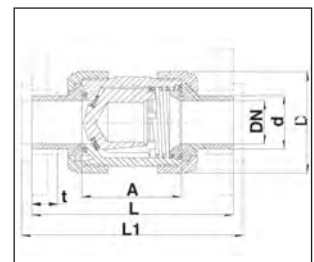
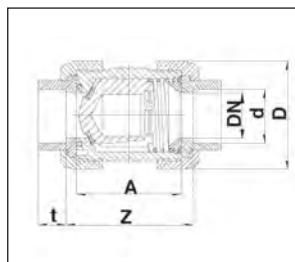
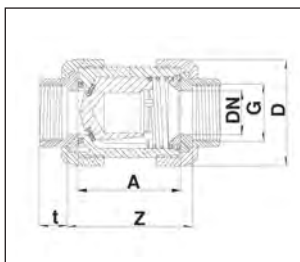
## Features

- True Union design for easy maintenance
- Tagging point included
- Stainless steel spring (optional PTFE sleeve)
- Opening pressure 0.06 bar

## Connections

Solvent Cement Sockets  
Solvent Cement Spigots  
BSP Female Threaded  
Flanged PN10 or ANSI 150  
HDPE Fusion Spigots

## Valve Dimensions (Check, Air Release and Foot Valve)



d	16	20	25	32	40	50	63	75	90	110
DN	10	15	20	25	32	40	50	65	80	80
G	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
L	115.0	125.0	145.0	154.0	174.0	194.0	223.0	287.0	300.0	341.0
L1	120.0	130.0	150.0	160.0	180.0	200.0	230.0	290.0	310.0	350.0
A	62.0	62.0	70.0	74.0	84.0	95.0	109.0	137.0	163.0	163.0
Z	68.0	67.0	76.0	80.0	91.0	103.0	120.0	148.0	180.0	173.0
t	16.5	16.5	19.5	22.5	26.5	31.5	38.5	45.0	55.5	64.0
D	53.0	53.0	63.0	70.0	85.0	101.0	124.5	155.0	188.0	188.0
PN	10	10	10	10	10	10	10	10	6	6

Dimensions in mm

## Praher Type S4 Check (Non-Return) Valve

**Description:** In-line spring cone check valve

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes up to 2½"/75mm - 16 bar;

3"/90mm - 10 bar; 4"/110mm - 6 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Spring:** Stainless Steel (optional PTFE sleeve)

**End Connections:** Solvent Sockets, Solvent Spigots, BSP Threaded, HDPE Fusion Spigots



EPDM Seals	Inch Solvent Cement Sockets		
	Size	Code	Price
	¾	12.1940	52.63
	½	12.0278	55.53
	¾	12.2076	66.36
	1	12.2072	78.54
	1¼	12.2080	96.80
	1½	12.1109	116.15
	2	12.1110	157.45
	2½/75	12.1098	328.74
	3	12.1900	405.57
	4	12.2805	539.34

EPDM Seals	MM Solvent Cement Sockets		
	Size	Code	Price
	16	12.1069	52.64
	20	12.1088	55.53
	25	12.1090	66.36
	32	12.1092	78.54
	40	12.1094	96.79
	50	12.1041	116.15
	63	12.1042	157.45
	2½/75	12.1098	328.74
	90	12.1043	405.57
	110	12.2291	539.34

EPDM Seals	MM Solvent Cement Spigots		
	Size	Code	Price
	16	12.1204	52.64
	20	12.1208	55.54
	25	12.1210	66.36
	32	12.1212	78.54
	40	12.1214	96.79
	50	12.1216	116.15
	63	12.1206	157.45
	75	12.1218	327.28
	90	12.1220	405.57

EPDM Seals	BSP Female Threaded		
	Size	Code	Price
	¾	12.1186	58.36
	½	12.1188	61.21
	¾	12.1190	73.45
	1	12.1192	86.54
	1¼	12.1194	106.41
	1½	12.1196	128.66
	2	12.1198	174.72
	2½	12.1200	358.57
	3	12.1202	452.57

FPM Seals	Inch Solvent Cement Sockets		
	Size	Code	Price
	¾	12.2651	63.71
	½	12.2652	66.36
	¾	12.2653	79.98
	1	12.2654	95.07
	1¼	12.2655	115.85
	1½	12.2656	138.01
	2	12.2657	182.11
	2½/75	12.1099	378.53
	3	12.2648	480.99
	4	12.4569	636.11

FPM Seals	MM Solvent Cement Sockets		
	Size	Code	Price
	16	12.1087	63.71
	20	12.1089	66.36
	25	12.1091	79.97
	32	12.1093	95.07
	40	12.1095	115.85
	50	12.1096	138.01
	63	12.1097	182.11
	2½/75	12.1099	378.53
	90	12.1100	480.99
	110	12.2388	636.11

FPM Seals	MM Solvent Cement Spigots		
	Size	Code	Price
	16	12.1205	63.71
	20	12.1209	66.36
	25	12.1211	79.98
	32	12.1213	95.07
	40	12.1215	115.85
	50	12.1217	138.01
	63	12.1207	182.11
	75	12.1219	378.53
	90	12.1221	480.99

FPM Seals	BSP Female Threaded		
	Size	Code	Price
	¾	12.1187	69.46
	½	12.1189	72.28
	¾	12.1191	87.66
	1	12.1193	103.62
	1¼	12.1195	126.39
	1½	12.1197	151.39
	2	12.1199	200.33
	2½	12.1201	409.86
	3	12.1203	527.93



### Optional End Connections

The S4 check valve is also available with the following end connections:

- PVC-U Flanges
- PVC-U Solvent Cement Spigots
- PE Fusion Spigots

### Praher Type S4 Check (Non-Return) Valve - PTFE Sleeved Spring

**Description:** In-line spring weighted cone check valve with PTFE sleeved spring

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes up to 2 1/2"/75mm - 16 bar;

3"/90mm - 10 bar; 4"/110mm - 6 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U **Seals:** EPDM or FPM **Spring:** Stainless Steel (PTFE Sleeved)

**End Connections:** Solvent Sockets, Solvent Spigots, BSP Threaded



EPDM Seals	MM Solvent Cement Sockets		
	Size	Code	Price
	16	12.1764	58.04
	20	12.1765	60.96
	25	12.1766	73.14
	32	12.1767	86.54
	40	12.1768	106.41
	50	12.1769	127.50
	63	12.1770	173.06
	75	12.1771	361.46
	90	12.1772	446.85
	110	12.2721	591.97

EPDM Seals	Inch Solvent Cement Sockets		
	Size	Code	Price
	3/8	12.1991	58.04
	1/2	12.2196	60.96
	3/4	12.2197	73.14
	1	12.2198	86.54
	1 1/4	12.2199	106.41
	1 1/2	12.2200	127.49
	2	12.1114	173.06
	2 1/2	12.1759	361.46
	3	12.1782	446.84
	4	12.2981	591.97

FPM Seals	MM Solvent Cement Sockets		
	Size	Code	Price
	16	12.2116	70.03
	20	12.2117	73.14
	25	12.2118	88.24
	32	12.2119	104.73
	40	12.2120	127.49
	50	12.2121	152.00
	63	12.2122	200.65
	75	12.2123	416.97
	90	12.2124	529.36
	110	12.2720	700.14

FPM Seals	Inch Solvent Cement Sockets		
	Size	Code	Price
	3/8	12.2643	70.03
	1/2	12.2154	73.14
	3/4	12.2179	88.24
	1	12.2180	104.73
	1 1/4	12.2181	127.49
	1 1/2	12.2182	152.00
	2	12.2183	200.65
	2 1/2	12.2249	416.97
	3	12.2250	529.36
	4	12.2251	700.14

Other end connections on request.

### Durapipe SXE Double Union Ball Check Valve

**Description:** In-line ball check valve

**Mounting:** Vertical

**Maximum Fluid Pressure at 20°C:** 16 bar

**Fluid Temperature Range:** 0°C - 60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**End Connections:** Solvent sockets or BSP Female Threaded

**Durapipe**



EPDM Seals	Inch Solvent Cement Sockets		
	Size	Code	Price
	1/2	HOSXE102	158.07
	3/4	HOSXE103	180.55
	1	HOSXE104	194.48
	1 1/4	HOSXE105	231.51
	1 1/2	HOSXE106	240.22
	2	HOSXE107	410.40
	3	HOSXE109	613.30

FPM Seals	Inch Solvent Cement Sockets		
	Size	Code	Price
	1/2	HOSXF102	206.97
	3/4	HOSXF103	198.83
	1	HOSXF104	240.33
	1 1/4	HOSXF105	332.53
	1 1/2	HOSXF106	363.49
	2	HOSXF107	440.90

EPDM Seals	MM Solvent Cement Sockets		
	Size	Code	Price
	20	HOSXE306	158.07
	25	HOSXE307	180.55
	32	HOSXE308	194.48
	40	HOSXE309	231.51
	50	HOSXE310	240.22
	63	HOSXE311	410.40

FPM Seals	MM Solvent Cement Sockets		
	Size	Code	Price
	20	HOSXF306	206.99
	25	HOSXF307	221.38
	32	HOSXF308	215.85
	40	HOSXF309	298.65
	50	HOSXF310	326.45
	63	HOSXF311	440.90



## Spears True Union 2000 Industrial Ball Check Valve



**Description:** In-line ball check valve

**Mounting:** Vertical

**Maximum Fluid Pressure at 20°C:** Sizes 1/2" to 2" - 16 bar; sizes 2 1/2" to 6" - 10 bar

All sizes flanged - 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**End Connections:** Solvent Sockets, Solvent Spigots,

NPT Female Threaded, Reinforced NPT Female Threaded, Flanged

**Features:** Sizes 1/2" to 2" Solvent Socket valves also include NPT Female Threaded end connections

All valves are assembled with Silicon-free, water soluble lubricant



### Inch Solvent Cement Sockets

EPDM Seals

Size	Code	Price
1/2	4529-005	76.56
3/4	4529-007	91.16
1	4529-010	108.43
1 1/4	4529-012	158.56
1 1/2	4529-015	182.00
2	4529-020	248.26
2 1/2	4522-025	602.36
3	4522-030	602.36
4	4522-040	1129.61
6	4522-060	4437.70

### Inch Solvent Cement Spigots

EPDM Seals

Size	Code	Price
1/2	4527-005	76.56
3/4	4527-007	91.16
1	4527-010	108.43
1 1/4	4527-012	158.56
1 1/2	4527-015	182.00
2	4527-020	248.25
2 1/2	4527-025	602.36
3	4527-030	602.36
4	4527-040	1129.61
6	4527-060	4437.70

### Flanged ANSI 150

EPDM Seals

Size	Code	Price
1/2	4523-005	108.05
3/4	4523-007	130.35
1	4523-010	154.50
1 1/4	4523-012	191.14
1 1/2	4523-015	263.61
2	4523-020	373.50
2 1/2	4523-025	770.73
3	4523-030	1078.31
4	4523-040	1459.12
6	4523-060	6986.07

### Inch Solvent Cement Sockets

FPM Seals

Size	Code	Price
1/2	4539-005	86.41
3/4	4539-007	96.32
1	4539-010	120.84
1 1/4	4539-012	177.58
1 1/2	4539-015	201.75
2	4539-020	276.08
2 1/2	4532-025	640.79
3	4532-030	640.79
4	4532-040	1189.97
6	4532-060	4917.53

### Inch Solvent Cement Spigots

FPM Seals

Size	Code	Price
1/2	4537-005	86.41
3/4	4537-007	96.32
1	4537-010	120.84
1 1/4	4537-012	177.56
1 1/2	4537-015	201.75
2	4537-020	276.08
2 1/2	4537-025	640.79
3	4537-030	640.79
4	4537-040	1189.95
6	4537-060	4917.39

### Flanged ANSI 150

FPM Seals

Size	Code	Price
1/2	4533-005	135.48
3/4	4533-007	162.20
1	4533-010	188.91
1 1/4	4533-012	246.79
1 1/2	4533-015	286.33
2	4533-020	380.86
2 1/2	4533-025	897.04
3	4533-030	1254.08
4	4533-040	1693.48
6	4533-060	8106.49

## Spears Foot Valve Screen

**Description:** Foot valve screen for Spears ball check valve

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**End Connections:** Solvent Spigot



### Inch Solvent Cement Spigots

Size	Code	Price
1/2	FVS-005	81.51
3/4	FVS-007	96.53
1	FVS-010	117.59
1 1/4	FVS-012	170.99
1 1/2	FVS-015	180.25
2	FVS-020	203.27
2 1/2	FVS-025	279.61
3	FVS-030	287.58
4	FVS-040	340.40

### Praher Type S4 Air Release Valve

**Description:** In-line air release valve

**Mounting:** In a vertical position

**Maximum Fluid Pressure at 20°C:** Sizes up to 2½"/75mm - 16 bar;

3"/90mm - 10 bar; 4"/110mm - 6 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Cone:** PVC-U

**End Connections:** Solvent Sockets, Solvent Spigots, BSP Threaded, HDPE Fusion Spigots



EPDM Seals	Inch Solvent Cement Sockets		
	Size	Code	Price
	¾	12.0303	45.28
	½	12.2701	48.14
	¾	12.2130	51.53
	1	12.2131	58.63
	1¼	12.2132	79.13
	1½	12.2831	108.43
	2	12.2011	150.88
	2½/75	12.1276	304.92
	3	12.0099	392.74
	4	12.2999	525.10

EPDM Seals	MM Solvent Cement Sockets		
	Size	Code	Price
	16	12.1262	43.12
	20	12.1264	45.85
	25	12.1266	49.08
	32	12.1268	55.84
	40	12.1270	75.35
	50	12.1272	103.27
	63	12.1274	143.69
	2½/75	12.1276	304.92
	90	12.1278	374.04
	110	12.2391	500.09

EPDM Seals	MM Solvent Cement Spigots		
	Size	Code	Price
	16	12.1459	43.12
	20	12.1461	45.85
	25	12.1463	49.08
	32	12.1465	55.84
	40	12.1467	75.35
	50	12.1469	103.27
	63	12.1471	143.69
	75	12.1473	304.92
	90	12.1475	374.04

EPDM Seals	BSP Female Threaded		
	Size	Code	Price
	¾	12.1280	50.94
	½	12.1282	53.51
	¾	12.1284	58.36
	1	12.1286	66.03
	1¼	12.1288	88.24
	1½	12.1290	120.69
	2	12.1292	167.95
	2½	12.1294	350.07
	3	12.1296	438.29

FPM Seals	Inch Solvent Cement Sockets		
	Size	Code	Price
	¾	12.0803	56.34
	½	12.0804	59.22
	¾	12.0805	65.43
	1	12.0806	75.16
	1¼	12.0807	98.48
	1½	12.0808	130.38
	2	12.0809	175.63
	2½/75	12.1277	352.40
	3	12.0811	466.77
	4	12.0812	623.31

FPM Seals	MM Solvent Cement Sockets		
	Size	Code	Price
	16	12.1263	53.67
	20	12.1265	56.38
	25	12.1267	62.32
	32	12.1269	71.59
	40	12.1271	93.79
	50	12.1273	124.17
	63	12.1275	167.27
	2½/75	12.1277	352.40
	90	12.1279	444.52
	110	12.2392	623.32

FPM Seals	MM Solvent Cement Spigots		
	Size	Code	Price
	16	12.1460	53.66
	20	12.1462	56.38
	25	12.1464	62.32
	32	12.1466	71.59
	40	12.1468	93.79
	50	12.1470	124.17
	63	12.1472	167.27
	75	12.1474	352.40
	90	12.1476	444.52

FPM Seals	BSP Female Threaded		
	Size	Code	Price
	¾	12.1281	62.37
	½	12.1283	64.91
	¾	12.1285	72.28
	1	12.1287	83.10
	1¼	12.1289	108.14
	1½	12.1291	143.18
	2	12.1293	193.56
	2½	12.1295	402.75
	3	12.1297	515.14



## Praher Type S4 Foot Valve

**Description:** In-line foot valve with screen

**Mounting:** In a vertical position

**Maximum Fluid Pressure at 20°C:** Sizes up to 2½"/75mm - 16 bar;  
3"/90mm - 10 bar; 4"/110mm - 6 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Cone:** PVC-U (weighted)

**End Connections:** Solvent Sockets, Solvent Spigots, BSP Threaded,  
HDPE Spigots



### Inch Solvent Cement Sockets

EPDM Seals

Size	Code	Price
¾	12.2873	50.09
½	12.2109	52.64
¾	12.2110	60.96
1	12.2668	69.18
1¼	12.2129	88.53
1½	12.1353	111.86
2	12.1360	154.26
2½/75	12.1367	324.45
3	12.2105	399.86
4	12.2669	532.21

### Inch Solvent Cement Sockets

FPM Seals

Size	Code	Price
¾	12.2874	60.96
½	12.1032	63.71
¾	12.1033	74.55
1	12.1034	85.71
1¼	12.1035	107.87
1½	12.1036	133.76
2	12.1037	179.04
2½/75	12.1368	374.31
3	12.1039	473.90
4	12.1040	630.42

### MM Solvent Cement Sockets

EPDM Seals

Size	Code	Price
16	12.1323	50.09
20	12.1329	52.64
25	12.1335	60.96
32	12.1341	69.18
40	12.1347	88.53
50	12.1354	111.86
63	12.1361	154.26
90	12.1373	399.86
110	12.2389	532.21

### MM Solvent Cement Sockets

FPM Seals

Size	Code	Price
16	12.1324	60.96
20	12.1330	63.71
25	12.1336	74.55
32	12.1342	85.73
40	12.1348	107.87
50	12.1355	133.76
63	12.1362	179.04
90	12.1374	473.91
110	12.2390	630.39

### MM Solvent Cement Spigots

EPDM Seals

Size	Code	Price
16	12.1847	50.09
20	12.1849	52.64
25	12.1851	60.96
32	12.1853	69.18
40	12.1855	88.53
50	12.1858	111.86
63	12.1860	154.26
75	12.1862	324.45
90	12.1864	399.86

### MM Solvent Cement Spigots

FPM Seals

Size	Code	Price
16	12.1848	60.96
20	12.1850	63.71
25	12.1852	74.55
32	12.1854	85.71
40	12.1857	107.88
50	12.1859	133.76
63	12.1861	179.03
75	12.1863	374.31
90	12.1865	473.91

### BSP Female Threaded

EPDM Seals

Size	Code	Price
¾	12.1321	55.53
½	12.1327	58.36
¾	12.1333	67.74
1	12.1339	76.86
1¼	12.1345	97.89
1½	12.1351	124.09
2	12.1358	171.35
2½	12.1365	355.78
3	12.1371	445.46

### BSP Female Threaded

FPM Seals

Size	Code	Price
¾	12.1322	66.89
½	12.1328	68.61
¾	12.1334	81.97
1	12.1340	93.93
1¼	12.1346	117.85
1½	12.1352	146.84
2	12.1359	196.95
2½	12.1366	406.99
3	12.1372	522.25

# Praher K4 Check Valve

## Praher Type K4 Check Valve

**Description:** Lug style check valve with universal drilling for mounting between flanges. (DIN, ANSI & BS)

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Pressure rating:** PN10

**Size:** 2"/75mm - 10"/250mm

**Connections:** Between flanges, universally drilled

### Features

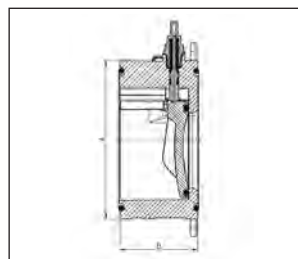
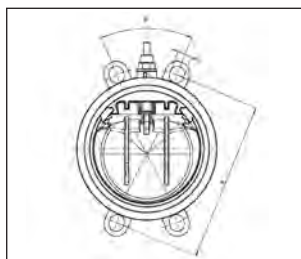
- Excellent Flow Rates
- Wide opening (85°)
- Low pressure drop
- Visual open-closed indicator
- Spring return
- All sizes PN10 rated
- Universal drilling - can be used with DIN, ANSI, BS and JIS flanges



EPDM Seals	Size	Code	Price
	2.1/2"/75	12.5804	471.90
	3"/90	12.5805	505.34
	4"/110	12.5806	602.78
	6"/160	12.5807	807.27
	8"/225	12.5808	1518.04
	10"/250	12.5809	2392.87

FPM Seals	Size	Code	Price
	2.1/2"/75	12.5811	560.43
	3"/90	12.5812	588.57
	4"/110	12.5813	704.27
	6"/160	12.5814	947.79
	8"/225	12.5815	1730.79
	10"/250	12.5816	2655.45

### Valve Dimensions



DN	A	B	C	K	W
65	115	63	20	139-145	90°
80	128	71	20	150-160	45°
100	155	80	20	175-191	45°
150	212	106	24	234-242	45°
200	264	140	24	290-299	45°
250	325	140	27	350-362	30°
300	372	181	27	400-432	30°

Dimensions in mm

Tightening torque for flange connections

DN	65	80	100	150	200	250	300
Nm	15	18	20	40	55	60	65

Kv Value Table		
Pressure Lost	1 bar	0.001 bar
DN 80	2958 l/min	94 l/min
DN 100	5633 l/min	178 l/min
DN 150	12466 l/min	394 l/min
DN 200	21166 l/min	699 l/min

Pressure loss based on maximum opening of 85°



Universal Drilling



Visual Position Indicator



85° Max Opening

# Praher K6 Check Valve

NEW

2

## Praher Type K6 Check Valve

**Description:** Wafer style check valve designed for mounting between flanges. (DIN & ANSI)

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Pressure rating:** PN10

**Size:** 1½"/50mm - 8"/225mm

### Features

- Excellent Flow Rates
- Minimal opening pressure
- Low pressure drop
- Spring return
- All sizes PN10 rated
- Integrated mounting aid



#### Spring Return EPDM Seals

Size	Code	Price
1½"/50	12.9100	271.25
2"/63	12.9101	307.19
2½"/75	12.9102	309.34
3"/90	12.9103	317.69
4"/110	12.9104	350.38
5"/140	12.9105	402.29
6"/160	12.9106	526.99
8"/225	12.9107	827.27
10"/250	12.9108	1153.23
12"/315	12.9109	1522.67

#### No Spring EPDM Seals

Size	Code	Price
1½"/50	12.9078	156.51
2"/63	12.9079	164.71
2½"/75	12.9080	188.00
3"/90	12.9081	211.22
4"/110	12.9082	243.92

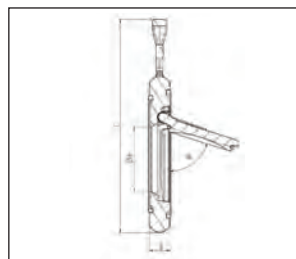
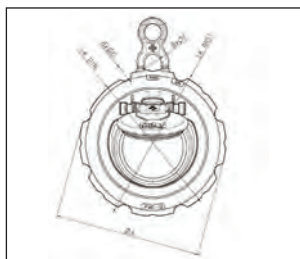
#### Spring Return FPM Seals

Size	Code	Price
1½"/50	12.9111	306.77
2"/63	12.9112	329.93
2½"/75	12.9113	356.03
3"/90	12.9114	299.83
4"/110	12.9115	444.04
5"/140	12.9116	508.31
6"/160	12.9117	647.45
8"/225	12.9118	962.50
10"/280	12.9119	1273.41
12"/315	12.9120	2098.81

#### No Spring FPM Seals

Size	Code	Price
1½"/50	12.9089	192.08
2"/63	12.9090	211.73
2½"/75	12.9091	240.66
3"/90	12.9092	278.62
4"/110	12.9093	342.15

### Valve Dimensions



DN	(d)	ØA	B	C	PCD DIN	ØD	PCD ANSI	ØE	ØF
40	(50)	95	16	141.8	110	18	98.5	15.5	23.5
50	(63)	109	18	159.5	125	18	120.65	19	33
65	(75)	130	20	185	145	18	139.7	19	42
80	(90)	146	20	200.4	160	18	152.4	19	53
100	(110)	175	23	237.2	180	18	190.5	19	73
125	(140)	198	25	262.3	210	18	215.9	22.2	93
150	(160)	223	30	288.8	240	22	241.3	22.2	110
200	(225)	280	34	348.3	295	22	298.45	22.2	150

Dimensions in mm

Tightening torque for flange connections

DN	65	80	100	150	200	250	300
Nm	15	18	20	40	55	60	65



### Hidroten Wafer Check Valve

**Description:** Wafer style flap check valve

**Mounting:** In any position, between flanges to BS 4504 EN1072 PN10

Spring return version for mounting in horizontal position or for pulsating flow

**Maximum Fluid Pressure at 20°C:** 16 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** Polypropylene - Glass Fibre Reinforced

**Diaphragm:** EPDM

**Flap:** Nylon (PA)

**End Connections:** Flange mounted (flanges not included)

#### No Spring Return

EPDM Seals	Size	Code	Price
	90	13002	253.68
	110	13003	283.55
	125	13004	333.24
	140	13005	393.72
	160	13006	499.86
	200	13007	666.44
	250	13008	796.70
	315	13009	963.60

#### Spring Return

EPDM Seals	Size	Code	Price
	90	13012	305.00
	110	13013	339.97
	125	13014	397.72
	140	13015	471.66
	160	13016	583.15
	200	13017	761.88

#### Spring Return and Position Indicator

EPDM Seals	Size	Code	Price
	90	13022	361.47
	110	13023	392.36
	125	13024	452.80
	140	13025	554.97
	160	13026	666.44
	200	13027	847.88
	250	13028	982.21
	315	13029	1177.51



For water use only

### Hidroten Clamp Union Check Valve

**Description:** Swing Check Valve with Clamp Union Connections

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 2"/63mm to 6"/160mm 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body and Disc:** Polypropylene - Glass Fibre Reinforced

**Seals:** EPDM

**End Connections:** Clamp Unions in PVC-U or PE



#### Inch Clamp Union Connections

EPDM Seals	Size	Code	Price
	3	15120	396.23
	4	15121	434.67
	5/140	15023	964.19
	6	15124	1067.14

#### MM Clamp Union Connections

EPDM Seals	Size	Code	Price
	90	15020	396.23
	110	15021	434.67
	125	15022	915.17
	5/140	15023	964.19
	160	15024	1067.14

## Spears Utility Swing Check Valve

**Description:** In-line swing (flap) check valve

**Mounting:** Horizontal or vertical (up-flow)

**Maximum Fluid Pressure at 20°C:** All sizes - 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** White or Clear (transparent) PVC-U

**Seat:** EPDM

**End Connections:** Solvent Sockets, Solvent Cement Unions, NPT Female Threaded, Reinforced NPT Female Threaded

**Features:** Angled seat and weighted flap for low pressure sealing



New - Union ends

### Inch Solvent Cement Sockets

White PVC-U  
EPDM Seat

Size	Code	Price
½	S1520-05	41.76
¾	S1520-07	41.76
1	S1520-10	43.56
1¼	S1520-12	45.06
1½	S1520-15	47.60
2	S1520-20	73.95
2½	S1520-25	123.04
3	S1520-30	136.90
4	S1520-40	193.71

### Inch Solvent Cement Unions

White PVC-U  
EPDM Seat

Size	Code	Price
½	S1720-05	40.30
¾	S1720-07	41.38
1	S1720-10	49.41
1¼	S1720-12	52.04
1½	S1720-15	57.13
2	S1720-20	85.69
2½	S1720-25	142.44
3	S1720-30	182.00
4	S1720-40	245.75

### NPT Female Threaded

White PVC-U  
EPDM Seat

Size	Code	Price
½	S1520-05F	41.76
¾	S1520-07F	41.76
1	S1520-10F	43.56
1¼	S1520-12F	45.06
1½	S1520-15F	47.60
2	S1520-20F	73.95
2½	S1520-25F	123.04
3	S1520-30F	136.90
4	S1520-40F	193.71

### NPT Female Threaded

Stainless Steel Reinforced

White PVC-U  
EPDM Seat

Size	Code	Price
½	S1520-05FSR	48.34
¾	S1520-07FSR	48.34
1	S1520-10FSR	53.14
1¼	S1520-12FSR	66.29
1½	S1520-15FSR	84.18
2	S1520-20FSR	113.51
2½	S1520-25FSR	136.23
3	S1520-30FSR	242.44
4	S1520-40FSR	303.18

### Inch Solvent Cement Sockets

Clear PVC-U  
EPDM Seat

Size	Code	Price
½	S1520C-05	54.92
¾	S1520C-07	56.03
1	S1520C-10	57.13
1¼	S1520C-12	59.73
1½	S1520C-15	65.18
2	S1520C-20	93.38
2½	S1520C-25	155.61
3	S1520C-30	173.17
4	S1520C-40	232.90

### Inch Solvent Cement Unions

Clear PVC-U  
EPDM Seat

Size	Code	Price
½	S1720C-05	47.60
¾	S1720C-07	48.74
1	S1720C-10	58.25
1¼	S1720C-12	61.21
1½	S1720C-15	74.67
2	S1720C-20	104.73
2½	S1720C-25	171.72
3	S1720C-30	197.76
4	S1720C-40	263.61

### NPT Female Threaded

Clear PVC-U  
EPDM Seat

Size	Code	Price
½	S1520C-05F	54.92
¾	S1520C-07F	56.04
1	S1520C-10F	57.13
1¼	S1520C-12F	59.73
1½	S1520C-15F	65.20
2	S1520C-20F	93.38
2½	S1520C-25F	155.61
3	S1520C-30F	173.17
4	S1520C-40F	232.90

### NPT Female Threaded

Stainless Steel Reinforced

Clear PVC-U  
EPDM Seat

Size	Code	Price
½	S1520C-05FSR	61.53
¾	S1520C-07FSR	65.54
1	S1520C-10FSR	70.35
1¼	S1520C-12FSR	81.25
1½	S1520C-15FSR	101.46
2	S1520C-20FSR	132.93
2½	S1520C-25FSR	217.13
3	S1520C-30FSR	278.66
4	S1520C-40FSR	342.32

### Spears Utility Spring Check Valve

**Description:** In-line spring assisted (flap) check valve

**Mounting:** Horizontal or vertical (up-flow)

**Maximum Fluid Pressure at 20°C:** All sizes - 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** White or Clear (transparent) PVC-U

**Seat:** EPDM

**End Connections:** Solvent Sockets, Solvent Cement Unions, NPT Female Threaded, Reinforced NPT Female Threaded

**Features:** Body design allows maximum flow.

Quick response and positive shut-off.



#### Inch Solvent Cement Sockets

White PVC-U  
EPDM Seat

Size	Code	Price
½	S1580-05	79.48
¾	S1580-07	89.93
1	S1580-10	93.79
1¼	S1580-12	97.62
1½	S1580-15	103.90
2	S1580-20	108.81
2½	S1580-25	193.16
3	S1580-30	201.57
4	S1580-40	285.93

#### Inch Solvent Cement Sockets

Clear PVC-U  
EPDM Seat

Size	Code	Price
½	S1580C-05	81.93
¾	S1580C-07	92.77
1	S1580C-10	96.66
1¼	S1580C-12	100.76
1½	S1580C-15	106.72
2	S1580C-20	110.56
2½	S1580C-25	199.10
3	S1580C-30	207.47
4	S1580C-40	294.70

#### Inch Solvent Cement Unions

White PVC-U  
EPDM Seat

Size	Code	Price
½	S1780-05	105.64
¾	S1780-07	119.96
1	S1780-10	124.88
1¼	S1780-12	130.06
1½	S1780-15	138.78
2	S1780-20	144.35
2½	S1780-25	257.69
3	S1780-30	268.52
4	S1780-40	381.87

#### Inch Solvent Cement Unions

Clear PVC-U  
EPDM Seat

Size	Code	Price
½	S1780C-05	109.14
¾	S1780C-07	123.77
1	S1780C-10	128.69
1¼	S1780C-12	134.25
1½	S1780C-15	142.30
2	S1780C-20	146.48
2½	S1780C-25	265.41
3	S1780C-30	276.89
4	S1780C-40	394.03

#### NPT Female Threaded

White PVC-U  
EPDM Seat

Size	Code	Price
½	S1580-05F	79.48
¾	S1580-07F	89.93
1	S1580-10F	93.79
1¼	S1580-12F	97.62
1½	S1580-15F	103.90
2	S1580-20F	108.81
2½	S1580-25F	193.16
3	S1580-30F	201.57
4	S1580-40F	285.93

#### NPT Female Threaded

Clear PVC-U  
EPDM Seat

Size	Code	Price
½	S1580C-05F	81.93
¾	S1580C-07F	92.77
1	S1580C-10F	96.66
1¼	S1580C-12F	100.76
1½	S1580C-15F	106.73
2	S1580C-20F	110.56
2½	S1580C-25F	199.10
3	S1580C-30F	207.47
4	S1580C-40F	294.70

#### NPT Female Threaded

Stainless Steel Reinforced

White PVC-U  
EPDM Seat

Size	Code	Price
½	S1580-05FSR	86.14
¾	S1580-07FSR	99.73
1	S1580-10FSR	107.09
1¼	S1580-12FSR	118.90
1½	S1580-15FSR	140.51
2	S1580-20FSR	148.56
2½	S1580-25FSR	254.57
3	S1580-30FSR	307.58
4	S1580-40FSR	395.80

#### NPT Female Threaded

Stainless Steel Reinforced

Clear PVC-U  
EPDM Seat

Size	Code	Price
½	S1580C-05FSR	88.97
¾	S1580C-07FSR	102.53
1	S1580C-10FSR	109.84
1¼	S1580C-12FSR	122.06
1½	S1580C-15FSR	143.27
2	S1580C-20FSR	150.31
2½	S1580C-25FSR	260.52
3	S1580C-30FSR	313.48
4	S1580C-40FSR	404.54

## Hayward Simplex Basket Strainer

**Description:** In-line strainer with serviceable basket filter

**Mounting:** Vertical

**Maximum Fluid Pressure at 20°C:** 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** Grey PVC-U or Transparent Eastar®

**Strainer Basket:** PVC-U or 316 Stainless Steel

**Strainer Mesh Sizes:** PVC-U: 1/32", 1/16", 1/8", 3/16",  
Stainless Steel: 20, 40, 60, 80, 100 Mesh

**Seals:** FPM

**End Connections:** Solvent Socket, NPT Threaded or Flanged

**Gauge:** Optional



PVCu Body

**Duplex Style Available.**  
Please enquire for prices.

PVC-U Body  
PVC-U Basket

### Inch Solvent Cement Sockets

Size	Code	Price
1/2	SB1050ST	581.94
3/4	SB1075ST	581.94
1	SB1100ST	581.94
1 1/2	SB1150ST	1003.65
2	SB1200ST	1003.65
3	SB1300S	2566.84
4	SB1400S	2566.84

PVC-U Body  
PVC-U Basket

### NPT Female Threaded

Size	Code	Price
1/2	SB1050ST	581.94
3/4	SB1075ST	581.94
1	SB1100ST	581.94
1 1/2	SB1150ST	1003.65
2	SB1200ST	1003.65
3	SB1300T	2566.84
4	SB1400T	2566.84

PVC-U Body  
PVC-U Basket

### Flanged ANSI 150

Size	Code	Price
1/2	SB1050FE	669.09
3/4	SB1075FE	669.09
1	SB1100F	704.26
1 1/2	SB1150F	1192.83
2	SB1200F	1192.83
3	SB1300F	2917.22
4	SB1400F	3218.70
6	SB1600FT	7365.86
8	SB1800FT	9703.78

### Spare PVC-U Basket

New Style

Size	Code	Price
1/2, 3/4, 1	BS11001/_	on application
1 1/2, 2	BS12001/_	
3, 4	BS14001/_	
6	BS16001/_	
8	BS18001/_	

To specify the mesh size, add to part number  
e.g. 6" basket c/w 60 mesh = BS16001/60

### Spare Stainless Steel Basket

New Style

Size	Code	Price
1/2, 3/4, 1	BS710/_	on application
1 1/2, 2	BS720/_	
3, 4	BS740/_	
6	BS760/_	
8	BS780/_	

To specify the mesh size, add to part number,  
e.g. 2" basket c/w 60 mesh = BS720/60

\* Note that the new style stainless steel strainer  
requires the additional use of a PVC-U adaptor

Eastar Body  
PVC-U Basket

### Inch Solvent Cement Sockets

Size	Code	Price
1/2	SBC050STE	on application
3/4	SBC075STE	
1	SBC100STE	
1 1/2	SBC150STE	
2	SBC200STE	
3	SBC300SE	
4	SBC400SE	

Eastar Body  
PVC-U Basket

### NPT Female Threaded

Size	Code	Price
1/2	SBC050STE	on application
3/4	SBC075STE	
1	SBC100STE	
1 1/2	SBC150STE	
2	SBC200STE	
3	SBC300ST	
4	SBC400ST	

Eastar Body  
PVC-U Basket

### Flanged ANSI 150

Size	Code	Price
1/2	SBC050FE	on application
3/4	SBC075FE	
1	SBC100FE	
1 1/2	SBC150FE	
2	SBC200FE	
3	SBC300FE	
4	SBC400FE	

### Optional Extras

Stainless Steel Basket

Size	Code	Price
1/2 - 1	SBC050FE	on application
1 1/4 - 2	SBC075FE	
2 1/2 - 4	SBC100FE	
6	SBC150FE	
8	SBC200FE	

To replace the plastic basket with a  
stainless steel basket, add the basket  
price to the strainer price  
(XX) Replace with mesh required. For  
100 mesh replace (XX) with 100



Eastar® Body



### Drain Kits

Ideal for controlled draining on basket  
strainers. Includes ball valve with locking  
lever, drilled ball and nipple piece.  
Please enquire for details.



### Praher Type S4 Line Strainer

**Description:** In-line strainer with transparent body and union ends

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 3/8"/16mm to 2 1/2"/75mm - 16 bar;  
3"/90mm - 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U Transparent

**Seals:** EPDM

**Strainer:** Polypropylene with 1.8mm mesh or Stainless Steel with 0.5mm, 0.75mm or 1mm mesh

**End Connections:** Solvent Socket, BSP Female Thread, HDPE Fusion Spigots



#### Inch Solvent Cement Unions

EPDM Seals  
1.8mm Screen

Size	Code	Price
3/8	12.0557	51.48
1/2	12.0558	54.31
3/4	12.0559	64.89
1	12.0560	76.81
1.1/4	12.0561	94.65
1.1/2	12.0562	113.58
2	12.0563	153.97
2.1/2/75	12.1708	321.47
3	12.0565	396.61
4	12.0350	527.41

#### MM Solvent Cement Unions

EPDM Seals  
1.8mm Screen

Size	Code	Price
16	12.1701	51.48
20	12.1702	54.30
25	12.1703	64.89
32	12.1704	76.81
40	12.1705	94.65
50	12.1706	113.58
63	12.1707	153.97
2.1/2/75	12.1708	321.47
90	12.1709	396.61
110	12.1710	527.41

#### Inch Solvent Cement Unions

EPDM Seals  
no screen included

Size	Code	Price
3/8	12.4735	48.16
1/2	12.4736	50.98
3/4	12.4737	62.30
1	12.4738	74.59
1.1/4	12.4739	91.85
1.1/2	12.4740	111.34
2	12.4741	153.05
2.1/2	12.4742	327.07
3	12.4743	400.80
4	12.0102	518.59

#### MM Solvent Cement Unions

EPDM Seals  
no screen included

Size	Code	Price
16	12.4707	45.40
20	12.4708	48.16
25	12.4709	58.73
32	12.4710	70.68
40	12.4711	87.10
50	12.4712	105.75
63	12.4713	145.28
75	12.4714	310.33
90	12.4715	381.30
110	12.4716	510.71

#### Stainless Steel Screen\*

0.5mm mesh

Size	Code	Price
16/3/8"	50606	22.76
20/1/2"	50606	22.76
25/3/4"	50608	28.56
32/1"	50608	28.56
40/1.1/4"	50609	32.23
50/1.1/2"	50610	39.33
63/2"	50611	45.52
75/2.1/2"	50612	68.95
90/3"	50613	83.94
110/4"	50613	83.94

#### Stainless Steel Screen\*

1mm mesh

Size	Code	Price
16/3/8"	50622	22.77
20/1/2"	50622	22.77
25/3/4"	50624	28.56
32/1"	50624	28.56
40/1.1/4"	50625	32.23
50/1.1/2"	50626	39.33
63/2"	50627	45.52
75/2.1/2"	50628	68.95
90/3"	50629	83.94
4"/110	50629	83.94

#### Stainless Steel Screen\*

0.75mm mesh

Size	Code	Price
16/3/8"	50614	22.76
20/1/2"	50614	22.76
25/3/4"	50616	28.56
32/1"	50616	28.56
40/1.1/4"	50617	32.23
50/1.1/2"	50618	39.33
63/2"	50619	45.52
75/2.1/2"	50620	68.95
90/3"	50621	83.94
110/4"	50621	83.94

#### Filter Support for Stainless Steel Screen

Size	Code	Price
16/3/8"	14.1474	47.44
20/1/2"	14.1474	47.44
25/3/4"	14.1475	49.73
32/1"	14.1476	49.73
40/1.1/4"	14.1477	60.83
50/1.1/2"	14.1478	67.04
63/2"	14.1479	72.61
75/2.1/2"	14.1480	93.54
90/3"	14.1481	122.92
110/4"	14.1481	122.92

\* Note: A filter support is required for the stainless steel screen



## Spears Y-Strainer

**Description:** In-line strainer with transparent or grey body

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U transparent or grey

**Seals:** EPDM or FPM

**Strainer:** PVC 20 mesh

**End Connections:** Solvent Socket

**Options:** PVC or stainless steel strainer - 8, 12, 20 or 30 mesh



PVC-U Screen  
EPDM Seals

### PVC-U Grey Body

Size	Code	Price
½	YS22P20-005	77.29
¾	YS22P20-007	91.79
1	YS22P20-010	116.15
1¼	YS22P20-012	145.07
1½	YS22P20-015	193.41
2	YS22P20-020	241.82
3	YS22P20-030	758.31
4	YS22P20-040	1325.73

PVC-U Screen  
EPDM Seals

### PVC-U Transparent Body

Size	Code	Price
½	YS22P20-005CL	85.07
¾	YS22P20-007CL	100.97
1	YS22P20-010CL	127.75
1¼	YS22P20-012CL	159.64
1½	YS22P20-015CL	212.77
2	YS22P20-020CL	266.00
3	YS22P20-030CL	796.19
4	YS22P20-040CL	1392.01

Prices are for PVC 20 mesh only.  
Please enquire for alternative  
mesh strainers.

PVC-U Screen  
FPM Seals

### PVC-U Grey Body

Size	Code	Price
½	YS32P20-005	91.79
¾	YS32P20-007	102.61
1	YS32P20-010	131.61
1¼	YS32P20-012	160.94
1½	YS32P20-015	231.92
2	YS32P20-020	289.83
3	YS32P20-030	815.84
4	YS32P20-040	1427.77

PVC-U Screen  
FPM Seals

### PVC-U Transparent Body

Size	Code	Price
½	YS32P20-005CL	100.97
¾	YS32P20-007CL	112.94
1	YS32P20-010CL	144.73
1¼	YS32P20-012CL	176.96
1½	YS32P20-015CL	255.10
2	YS32P20-020CL	318.80
3	YS32P20-030CL	856.63
4	YS32P20-040CL	1499.17



### Optional Mesh Codes

For stainless steel mesh, replace the letter 'P' with 'S'.

To specify the mesh size, add the following to the part number:

Mesh size	Hole size	Part Number
8	2.39mm	8
12	1.57mm	12
20	0.84mm	20
30	0.61mm	30

e.g. YS22P8 - 005

## Durapipe RV Y-Type Strainer

**Description:** In-line sediment strainer

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 16 bar

**Fluid Temperature Range:** 0°C - 60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Strainer:** PVCU 0.5mm mesh (Optional Stainless Steel)



EPDM Seals

### Inch Solvent Cement Unions

Size	Code	Price
½	HOUVE102	126.84
¾	HOUVE103	138.10
1	HOUVE104	186.87
1¼	HOUVE105	226.03
1½	HOUVE106	311.52
2	HOUVE107	438.33

FPM Seals

### Inch Solvent Cement Unions

Size	Code	Price
½	HOUVF102	171.75
¾	HOUVF103	191.44
1	HOUVF104	249.10
1¼	HOUVF105	281.66
1½	HOUVF106	450.55
2	HOUVF107	590.43

Also available in transparent PVC-U

EPDM Seals

### MM Solvent Cement Unions

Size	Code	Price
20	HOUVE306	126.84
25	HOUVE307	140.61
32	HOUVE308	182.88
40	HOUVE309	226.27
50	HOUVE310	303.84
63	HOUVE311	438.32

FPM Seals

### MM Solvent Cement Unions

Size	Code	Price
20	HOUVF306	171.76
25	HOUVF307	191.44
32	HOUVF308	249.10
50	HOUVF309	281.68
50	HOUVF310	454.73
63	HOUVF311	590.43

# Praher Electrically Actuated Valves



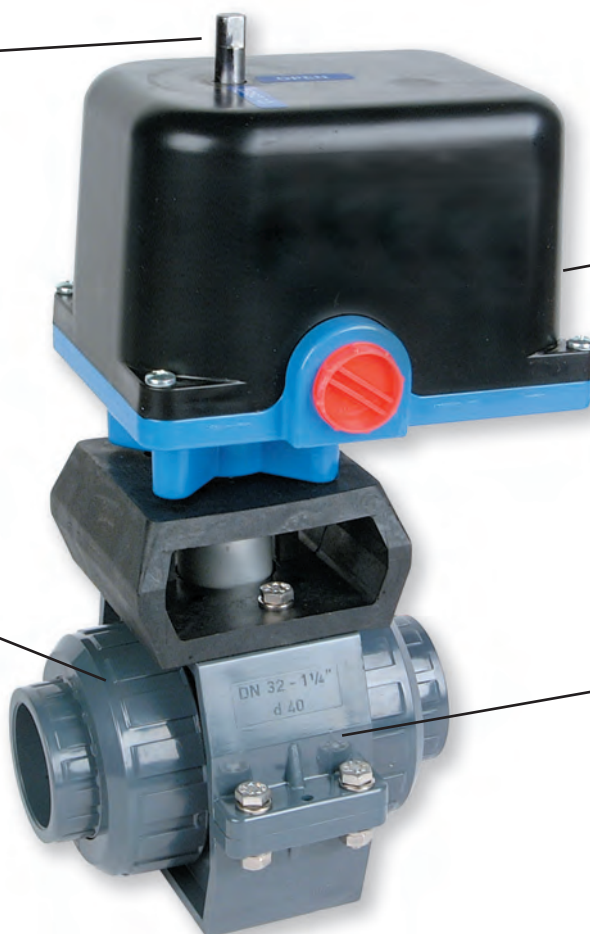
240, 110, 24 volt AC and 110, 24 and 12 volt DC options. Manual override optional. Position indicator included



IP 65 all plastic housing with epoxy coated aluminium base.



Actuators can be fitted to Ball, Three Way Ball and Butterfly Valves.



Matched valve brackets ensure optimum performance and security. Brackets also available separately if required.

## Part Number Matrix

Example	12.1108	E	1	A	G	N	X
Valve type and size	12.1108						
Actuator Type E=Electric							
<b>Voltage</b> 1. 240V 2. 110V 3. 24V DC 4. 24V AC							
<b>Switch Options</b> A. Open / Closed B. Open / Closed & 2 Off Extra Volt Free							
<b>Actuator Type</b> G. Reversible Actuator with Override H. Uni Directional No Override I. Other Manufacturer J. EEXD Version							
<b>Extras</b> N. Heater & Thermostat R. 4-20Ma Positioner V. Fail Safe Operation							
X. Special							

Example: 2" PVC Ball Valve, EPDM Seals, PTFE Seats Solvent Ended, with Electric 240V Actuator Reversible with Manual Override, Open/Closed Limit Switches and Heater/Thermostat

## Praher Type S4 Electrically Actuated Ball Valve

**Description:** In-line ball valve with electric operation

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes up to 2"/63mm - 10 bar;

2 1/2"/75mm - 6 bar; 3"/90mm - 5 bar; 4"/110mm - 4 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, BSP Female Threaded, HDPE Fusion Spigots

**Actuation:**

**Housing Material:** Plastic with epoxy coated aluminium base

**Voltages:** 240v AC; 110v AC; 24v AC; 110v DC; 24v DC; 12v DC

**Frequency Range:** 50/60 Hz

**Protection:** IP65

**Manual Override:** Optional

**Position Indicator:** Included

**Contacts:** Open, closed. Additional contacts optional.



### Inch Solvent Cement Sockets

110v AC  
EPDM Seals  
PTFE Seats

Size	Code	Price
3/8	12.1939E2AG	976.96
1/2	12.1760E2AG	980.78
3/4	12.2073E2AG	993.18
1	12.2069E2AG	1011.89
1 1/4	12.2077E2AG	1038.78
1 1/2	12.1107E2AG	1060.64
2	12.1108E2AG	1090.17
2 1/2	12.0323E2AG	1637.28
3	12.0362E2AG	1718.10
4	12.2143E2AG	1856.71

### Inch Solvent Cement Sockets

110v AC  
FPM Seals  
PTFE Seats

Size	Code	Price
3/8	12.1479E2AG	987.76
1/2	12.1480E2AG	990.54
3/4	12.2148E2AG	1005.22
1	12.2149E2AG	1027.01
1 1/4	12.2150E2AG	1056.53
1 1/2	12.0302E2AG	1082.21
2	12.0300E2AG	1113.51
2 1/2	12.1489E2AG	1683.45
3	12.1490E2AG	1787.42
4	12.2792E2AG	1932.35

### MM Solvent Cement Sockets

110v AC  
EPDM Seals  
PTFE Seats

Size	Code	Price
16	12.1116E2AG	970.85
20	12.1118E2AG	974.65
25	12.1120E2AG	986.97
32	12.1122E2AG	1005.56
40	12.1124E2AG	1032.28
50	12.1048E2AG	1054.00
63	12.1049E2AG	1083.35
75	12.1128E2AG	1627.04
90	12.1130E2AG	1707.35
110	12.1746E2AG	1845.10

### MM Solvent Cement Sockets

110v AC  
FPM Seals  
PTFE Seats

Size	Code	Price
16	12.1117E2AG	981.58
20	12.1119E2AG	984.34
25	12.1121E2AG	998.93
32	12.1123E2AG	1020.58
40	12.1125E2AG	1049.92
50	12.1126E2AG	1075.44
63	12.1127E2AG	1106.54
75	12.1129E2AG	1672.92
90	12.1131E2AG	1776.23
110	12.1747E2AG	1920.26

Also available: Solvent Spigots, BSP Female Threaded Ends; HDPE Fusion Spigots  
240v AC, 110v AC, 24v AC, 110v DC, 24v DC, 12v DC Actuators

## Electric Actuated Valve Options

Switch Options	Price
Open/Closed	included
Open/Closed plus 2 x extra volt free	on application
Actuator Options	
Reversible actuator with manual override	standard
Uni-directional actuator without manual override	on application
Customer specification actuator	on application
EEXD version actuator	on application
Power Options	
110v AC	standard
240v AC	free option
24v DC	on application
24v AC	on application
Extra Options	
Heater and thermostat	on application
4 - 20Ma positioner	on application
Fail-Safe operation	on application

## Pneumatic Actuated Valve Options

Body Material Options	Price
Technopolymer	standard
Hard anodised aluminium	free option
Stainless steel	on application
Double pack epoxy coated	on application
Switchbox Options (with beacon)	
IP65 Technopolymer 2 x mechanical switches	on application
IP65 Technopolymer 2 x proximity switches EEXIA	on application
IP67 Polycarbonate 2 x V3 gold plated switches	on application
IP67 Polycarbonate 2 x V3 gold plated switches EEXIA	on application
IP67 Polycarbonate 2 x proximity switches EEXIA	on application
IP67 Aluminium 2 x V3 gold plated switches EEXD	on application
Solenoid Valve Options	
240v AC Solenoid	on application
110v AC Solenoid	on application
24v DC Solenoid	on application
24v AC Solenoid	on application

### Praher Type S4 Electrically Actuated Ball Valve Low Profile

**Description:** In-line ball valve with low profile electric actuator

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Up to 2"/63mm - 10 bar, 2 1/2" - 6 bar, 3"/90mm - 5 bar, 4"/110mm - 4 bar

**Fluid Temperature Range:** 0°C to 60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, BSP Female, HDPE Fusion Spigots

**Actuation:**

**Material:** Anodised aluminium

**Enclosure:** Weatherproof IP68 Nema 4 and 6

**Limit Switches:** 2 open/close + dry contact 2 open/close

**Override:** By wrench (6mm hexagon)

**Space Heater Included:** 2w (110/230VAC, 24VDC)

**Voltages:** AC 110/230V 1PH, 50/60HZ DC 24V (AC24V)

**Indicator:** Dome type (LED light inside)

**External Coating:** Polyester (TGIC-Free)

**Options:** Not available with low profile Potentionmeter unit (1K-Ohm)

**Options:** Not available with low profile Current position transmitter output DC 4-20mA

**Options:** Not available with low profile Proportional control unit, DC 4-20mA, 2-20mA, Output DC 4-20mA

**Options:** Not available with low profile Local control unit



\*Options are only available with the SA-05L enclosure

#### Inch Solvent Cement Sockets

With Manual Override

110v AC	Size	Code	Price
EPDM Seals	3/8	12.1939E2BI-SA	917.84
PTFE Seats	1/2	12.1760E2BI-SA	920.29
	3/4	12.2073E2BI-SA	931.40
	1	12.2069E2BI-SA	934.60
	1 1/4	12.2077E2BI-SA	937.82
	1 1/2	12.1107E2BI-SA	962.23
	2	12.1108E2BI-SA	991.96
	2 1/2	12.0323E2BI-SA	1228.56
	3	12.0362E2BI-SA	1314.23
	4	12.2143E2BI-SA	1441.82

#### Inch Solvent Cement Sockets

With Manual Override

110v AC	Size	Code	Price
FPM Seals	3/8	12.1479E2BI-SA	926.94
PTFE Seats	1/2	12.1480E2BI-SA	929.18
	3/4	12.2148E2BI-SA	942.50
	1	12.2149E2BI-SA	947.03
	1 1/4	12.2150E2BI-SA	972.87
	1 1/2	12.0302E2BI-SA	997.28
	2	12.0300E2BI-SA	1033.34
	2 1/2	12.1489E2BI-SA	1299.65
	3	12.1490E2BI-SA	1422.73
	4	12.2792E2BI-SA	1551.11

#### MM Solvent Cement Sockets

With Manual Override

110v EPDM	Size	Code	Price
EPDM Seals	16	12.1116E2BI-SA	917.84
PTFE Seats	20	12.1118E2BI-SA	920.28
	25	12.1120E2BI-SA	931.40
	32	12.1122E2BI-SA	934.60
	40	12.1124E2BI-SA	937.82
	50	12.1048E2BI-SA	991.96
	63	12.1049E2BI-SA	991.96
	75	12.1128E2BI-SA	1228.56
	90	12.1130E2BI-SA	1313.43
	110	12.1746E2BI-SA	1441.82

#### MM Solvent Cement Sockets

With Manual Override

110v AC	Size	Code	Price
FPM Seals	16	12.1117 E2BI-SA	926.85
PTFE Seats	20	12.1119 E2BI-SA	929.18
	25	12.1121 E2BI-SA	942.50
	32	12.1123 E2BI-SA	947.03
	40	12.1125 E2BI-SA	972.87
	50	12.1126 E2BI-SA	997.28
	63	12.1127 E2BI-SA	1033.34
	75	12.1129 E2BI-SA	1299.65
	90	12.1131 E2BI-SA	1422.73
	110	12.1747 E2BI-SA	1551.11

## Praher Type S4 Electrically Actuated T-Port & L-Port Ball Valve

**Description:** In-line T-Port or L-Port 3-way ball valve with electric actuation

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, BSP Female Thread, HDPE Fusion Spigots

**Actuation:**

**Housing Material:** Plastic with epoxy coated aluminium base

**Voltages:** 230v AC; 115v AC; 24v AC; 12v AC

**Frequency Range:** 50/60 Hz

**Protection:** IP65

**Manual Override:** Included

**Position Indicator:** Included

**Contacts:** Open, closed, extra volt free on request



## 2 Position Actuator - T-Port

Inch Solvent Cement Sockets			
Size	Code	Price	
3/8	12.0629E2AG	1122.09	
1/2	12.0631E2AG	1122.09	
3/4	12.2995E2AG	1123.62	
1	12.2195E2AG	1123.62	
1 1/4	12.2997E2AG	1157.33	
1 1/2	12.2752E2AG	1157.33	
2	12.2754E2AG	1201.30	

MM Solvent Cement Sockets			
Size	Code	Price	
16	12.0625E2AG	1122.09	
20	12.0627E2AG	1122.09	
25	12.1816E2AG	1123.62	
32	12.1774E2AG	1123.62	
40	12.2714E2AG	1157.30	
50	12.2715E2AG	1157.30	
63	12.2716E2AG	1201.30	

Inch Solvent Cement Sockets			
Size	Code	Price	
3/8	12.0674E2AG	1154.16	
1/2	12.0676E2AG	1154.16	
3/4	12.0671E2AG	1158.96	
1	12.0657E2AG	1158.96	
1 1/4	12.0778E2AG	1202.85	
1 1/2	12.0773E2AG	1202.85	
2	12.0775E2AG	1259.07	

MM Solvent Cement Sockets			
Size	Code	Price	
16	12.0667E2AG	1154.16	
20	12.0669E2AG	1154.16	
25	12.1831E2AG	1158.96	
32	12.0307E2AG	1158.96	
40	12.0767E2AG	1202.85	
50	12.0768E2AG	1202.85	
63	12.0769E2AG	1259.07	

## 2 Position Actuator - L-Port

Inch Solvent Cement Sockets			
Size	Code	Price	
3/8	12.0630E2AG	1122.09	
1/2	12.0633E2AG	1122.09	
3/4	12.2996E2AG	1123.62	
1	12.1897E2AG	1112.79	
1 1/4	12.2998E2AG	1157.30	
1 1/2	12.2753E2AG	1157.30	
2	12.2755E2AG	1249.35	

MM Solvent Cement Sockets			
Size	Code	Price	
16	12.0626E2AG	1122.09	
20	12.0628E2AG	1122.09	
25	12.1832E2AG	1123.62	
32	12.1833E2AG	1123.62	
40	12.2717E2AG	1157.30	
50	12.2718E2AG	1157.30	
63	12.2719E2AG	1201.30	

Inch Solvent Cement Sockets			
Size	Code	Price	
3/8	12.0675E2AG	1200.33	
1/2	12.0677E2AG	1154.16	
3/4	12.0672E2AG	1158.96	
1	12.0658E2AG	1158.96	
1 1/4	12.0779E2AG	1202.85	
1 1/2	12.0774E2AG	1202.85	
2	12.0776E2AG	1259.07	

MM Solvent Cement Sockets			
Size	Code	Price	
16	12.0668E2AG	1154.16	
20	12.0670E2AG	1154.16	
25	12.1834E2AG	1158.96	
32	12.1835E2AG	1050.57	
40	12.0770E2AG	1202.85	
50	12.0771E2AG	1202.85	
63	12.0772E2AG	1259.07	

Switch indication L-bore - 2 positions

	Position 1 0°	Position 2 90°	Function
L			Divert or close

◀ Flow direction

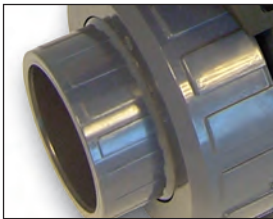
Other voltages on request - enquire for details.



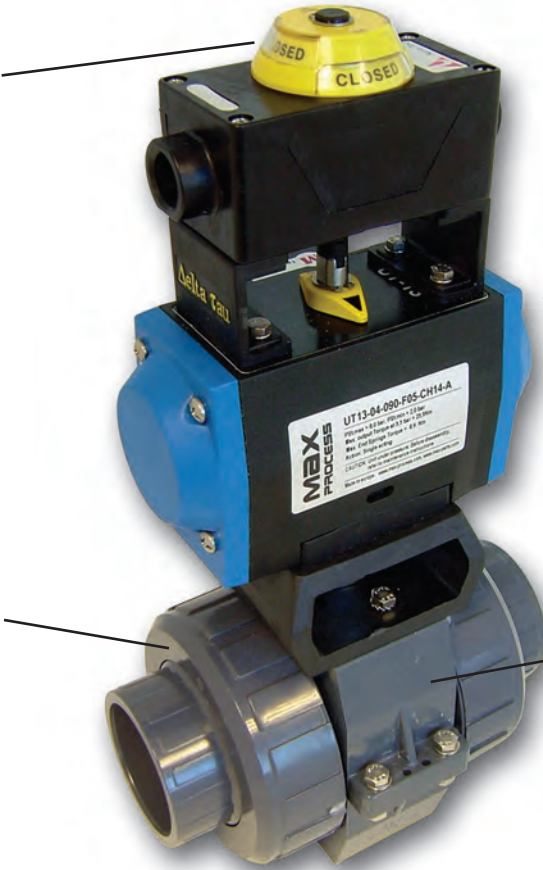
# Praher Pneumatically Actuated Valves



Visual position indicator as standard. Unit can be fitted with optional switchbox to suit application requirements.



Actuators can be fitted to Ball, Three Way Ball and Butterfly Valves.



All plastic technopolymer housing suitable for aggressive environments. Other housing materials available to order.



Matched valve brackets ensure optimum performance and security. Brackets also available separately if required.

## Part Number Matrix

Example	12.1108	P	1	A	F	M	X
Valve type and size							
Actuator Type P= Pneumatic Z= Manual Valve with Switchbox							
Actuator Mode 1. Fail Safe Close 2. Fail Safe Open 3. Double Acting							
Body Material A. Technopolymer Actuator as standard							
Body Material Options B. Stainless Steel Actuator C. Double Pack Epoxy Coated D. Hard Anodised Aluminium							
Switchbox Options E. Switchbox IP65 Technopolymer 2 x Mechanical Switches with Beacon F. Switchbox IP65 Technopolymer 2 x Proximity Switches EEZIA with Beacon G. Switchbox IP67 Polycarb 2 x V3 Gold Plated Switches with Beacon H. Switchbox IP67 Polycarb 2 x V3 Gold Plated Switches EEXIA with Beacon I. Switchbox IP67 Polycarb 2 x Proximity Switches EEXIA with Beacon J. Switchbox IP67 Aluminium 2 x V3 Gold Plated Switches EEXD with Beacon							
Solenoid Valve Options M. Solenoid 240V N. Solenoid 110V O. Solenoid 24V DC P. Soleboid 24V AC X. Special							

Example: 2" PVC Ball Valve, EPDM Seals, PTFE Seats Solvent Ended, with Pneumatic Technopolymer Fail Safe Close Actuator, Technopolymer Switchbox EEXIA with Beacon, and 240V Solenoid Valve.

## Praher Type S4 Pneumatically Actuated Ball Valve

**Description:** In-line ball valve with pneumatic operation

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes up to 2½"/75mm - 16 bar; 3"/90mm - 10 bar; 4"/110mm - 6 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, BSP Female Threaded, HDPE Fusion Spigots

**Actuation:**

**Housing Material:** Plastic (optional anodised aluminium)

**Air Actuators:** Fail-safe close, fail-safe open, double acting

**Protection:** IP65

**Manual Override:** Optional **Position Indicator:** Included

**Contacts:** Optional limit switch box with 2 mechanical switches

**Pilot Valve:** Solenoid, not included



Valve shown with optional limit switches

### Inch Solvent Cement Sockets

Fail-safe close  
EPDM Seals  
PTFE Seats

Size	Code	Price
¾	12.1939P1A	511.35
1½	12.1760P1A	513.46
¾	12.2073P1A	525.42
1	12.2069P1A	542.39
1¼	12.2077P1A	621.97
1½	12.1107P1A	642.63
2	12.1108P1A	785.04
2½	12.0323P1A	1031.42
3	12.0362P1A	1232.21
4	12.2143P1A	1513.36

### MM Solvent Cement Sockets

Fail-safe close  
EPDM Seals  
PTFE Seats

Size	Code	Price
16	12.1116P1A	491.68
20	12.1118P1A	493.71
25	12.1120P1A	505.21
32	12.1122P1A	521.53
40	12.1124P1A	598.05
50	12.1048P1A	617.92
63	12.1049P1A	754.85
75	12.1128P1A	991.75
90	12.1130P1A	1184.81
110	12.1746P1A	1455.15

### Inch Solvent Cement Sockets

Double Acting  
EPDM Seals  
PTFE Seats

Size	Code	Price
¾	12.1939P3A	472.71
1½	12.1760P3A	474.78
¾	12.2073P3A	486.72
1	12.2069P3A	503.68
1¼	12.2077P3A	529.09
1½	12.1107P3A	549.80
2	12.1108P3A	621.30
2½	12.0323P3A	861.28
3	12.0362P3A	1185.79
4	12.2143P3A	1196.19

### MM Solvent Cement Sockets

Double Acting  
EPDM Seals  
PTFE Seats

Size	Code	Price
16	12.1116P3A	454.53
20	12.1118P3A	456.52
25	12.1120P3A	468.00
32	12.1122P3A	484.31
40	12.1124P3A	508.74
50	12.1048P3A	528.65
63	12.1049P3A	597.40
75	12.1128P3A	828.15
90	12.1130P3A	1140.18
110	12.1746P3A	1150.18

### Inch Solvent Cement Sockets

Fail-safe close  
FPM Seals  
PTFE Seats

Size	Code	Price
¾	12.1479P1A	520.39
1½	12.1480P1A	522.99
¾	12.2148P1A	536.56
1	12.2149P1A	556.43
1¼	12.2150P1A	545.31
1½	12.0302P1A	660.93
2	12.0300P1A	806.05
2½	12.1489P1A	1073.38
3	12.1490P1A	1173.54
4	12.2792P1A	1293.23

### MM Solvent Cement Sockets

Fail-safe close  
FPM Seals  
PTFE Seats

Size	Code	Price
16	12.1117P1A	500.38
20	12.1119P1A	502.88
25	12.1121P1A	515.92
32	12.1123P1A	535.03
40	12.1125P1A	613.56
50	12.1126P1A	635.51
63	12.1127P1A	775.05
75	12.1129P1A	1032.10
90	12.1131P1A	1243.49
110	12.1747P1A	1532.94

### Inch Solvent Cement Sockets

Double Acting  
FPM Seals  
PTFE Seats

Size	Code	Price
¾	12.1479P3A	481.69
1½	12.1480P3A	484.32
¾	12.2148P3A	497.87
1	12.2149P3A	517.75
1¼	12.2150P3A	545.31
1½	12.0302P3A	568.10
2	12.0300P3A	806.05
2½	12.1489P3A	903.20
3	12.1490P3A	1246.79
4	12.2792P3A	1277.07

### MM Solvent Cement Sockets

Double Acting  
FPM Seals  
PTFE Seats

Size	Code	Price
16	12.1117P3A	463.16
20	12.1119P3A	465.69
25	12.1121P3A	478.72
32	12.1123P3A	497.83
40	12.1125P3A	524.33
50	12.1126P3A	546.25
63	12.1127P3A	617.58
75	12.1129P3A	868.46
90	12.1131P3A	1198.83
110	12.1747P3A	1227.96

Requires pilot valve - enquire for details.

Also available with BSP Female Threaded connections, and with fail-safe open actuators. Please enquire for details.

## Durapipe VKD Pneumatically Actuated Ball Valve

**Description:** In-line ball valve with pneumatic operation

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 16 bar

**Fluid Temperature Range:** 0°C to 60°C

**Construction:**

**Body:** PVC-U

**Seals:** EPDM or FPM

**Seats:** PTFE

**End Connections:** Solvent Sockets, BSP Female Threaded

**Actuation:**

**Housing Material:** Glass filled polyamid (nylon)

**Air Actuators:** Fail-safe close, fail-safe open, double acting **Protection:** IP65

**Ambient Temperature Range:** 0°C to 60°C

**Manual Override:** Included **Position Indicator:** Included **Contacts:** Optional

**Pilot Valve:** Solenoid, not included **Options:** Limit switches



Valve shown with optional limit switches

Inch Solvent Cement Sockets			
Fail-Safe Close	Size	Code	Price
EPDM Seals	3/8	HPDKE101	614.99
	1/2	HPDKE102	582.91
PTFE Seats	3/4	HPDKE103	582.91
	1	HPDKE104	643.31
	1 1/4	HPDKE105	698.48
	1 1/2	HPDKE106	832.66
	2	HPDKE107	922.32
	2 1/2"/75	HPDKE312	1660.38
	3	HPDKE109	1842.76
	4	HPDKE110	2253.00

MM Solvent Cement Sockets			
Fail-Safe Close	Size	Code	Price
EPDM Seals	16	HPDKE305	577.32
	20	HPDKE306	583.19
PTFE Seats	25	HPDKE307	634.57
	32	HPDKE308	643.15
	40	HPDKE309	698.46
	50	HPDKE310	832.47
	63	HPDKE311	922.49
	2 1/2"/75	HPDKE312	1660.38
	90	HPDKE313	1833.31
	110	HPDKE314	2097.24

Inch Solvent Cement Sockets			
Double Acting	Size	Code	Price
EPDM Seals	3/8	HRDKE101	614.99
	1/2	HRDKE102	582.91
PTFE Seats	3/4	HRDKE103	608.32
	1	HRDKE104	643.31
	1 1/4	HRDKE105	698.48
	1 1/2	HRDKE106	773.94
	2	HRDKE107	922.32
	2 1/2"/75	HRDKE312	1425.56
	3	HRDKE109	1842.76
	4	HRDKE110	2253.00

MM Solvent Cement Sockets			
Double Acting	Size	Code	Price
EPDM Seals	16	HRDKE305	563.15
	20	HRDKE306	583.20
PTFE Seats	25	HRDKE307	608.41
	32	HRDKE308	643.15
	40	HRDKE309	698.46
	50	HRDKE310	773.94
	63	HRDKE311	878.66
	2 1/2"/75	HRDKE312	1425.56
	90	HRDKE313	1833.31
	110	HRDKE314	2097.24

Inch Solvent Cement Sockets			
Fail-Safe Close	Size	Code	Price
FPM Seals	3/8	HPDKF101	644.57
	1/2	HPDKF102	610.54
PTFE Seats	3/4	HPDKF103	642.12
	1	HPDKF104	684.33
	1 1/4	HPDKF105	745.75
	1 1/2	HPDKF106	899.72
	2	HPDKF107	1002.65
	2 1/2"/75	HPDKF312	1842.78
	3	HPDKF109	2093.53
	4	HPDKF110	2458.20

MM Solvent Cement Sockets			
Fail-Safe Close	Size	Code	Price
FPM Seals	16	HPDKF305	608.41
	20	HPDKF306	610.50
PTFE Seats	25	HPDKF307	640.55
	32	HPDKF308	650.13
	40	HPDKF309	745.80
	50	HPDKF310	888.88
	63	HPDKF311	1048.32
	2 1/2"/75	HPDKF312	1842.78
	90	HPDKF313	1954.29
	110	HPDKF314	2269.27

Inch Solvent Cement Sockets			
Double Acting	Size	Code	Price
FPM Seals	3/8	HRDKF101	644.57
	1/2	HRDKF102	610.54
PTFE Seats	3/4	HRDKF103	642.12
	1	HRDKF104	684.35
	1 1/4	HRDKF105	745.75
	1 1/2	HRDKF106	899.72
	2	HRDKF107	1010.19
	2 1/2"/75	HRDKF312	1842.78
	3	HRDKF109	2093.53
	4	HRDKF110	2458.20

MM Solvent Cement Sockets			
Double Acting	Size	Code	Price
FPM Seals	16	HRDKF305	591.04
	20	HRDKF306	592.89
PTFE Seats	25	HRDKF307	621.19
	32	HRDKF308	666.18
	40	HRDKF309	714.17
	50	HRDKF310	799.62
	63	HRDKF311	991.44
	2 1/2"/75	HRDKF312	1842.78
	90	HRDKF313	1954.29
	110	HRDKF314	2281.20

Prices are as fail-safe closed

Also available with:

Fail-safe open actuator. Prefix Part Number HQ (e.g. HQ DKE 101)

Optional extras:

Limit switches (Prices on application)

## Praher Type T4 Pneumatically Actuated Diaphragm Valve

**Description:** In-line pneumatically operated diaphragm valve

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 10 bar

**Fluid Temperature Range:** 0°C-60°C

**Construction:**

**Body:** PVC-U

**Diaphragm:** EPDM, FPM or PTFE (EPDM backed)

**End Connections:** Solvent Sockets, Solvent Spigots, Flanged BS4504 PN10

**Actuation:**

**Housing Material:** Glass Reinforced Polypropylene **Air Actuators:** Failsafe close

**Protection:** IP65 **Manual Override:** Optional **Position Indicator:** Included

**Contacts:** Optional

**Pilot Valve:** Solenoid, not included



Failsafe close EPDM Diaphragm	Inch Solvent Cement Unions		
	Size	Code	Price
	½	12.5775	269.06
	¾	12.5776	275.42
	1	12.5777	386.38
	1¼	12.5778	506.23
	1½	12.5779	508.74
	2	12.5780	594.19

Failsafe close FPM Diaphragm	Inch Solvent Cement Unions		
	Size	Code	Price
	½	12.6240	283.07
	¾	12.6241	288.13
	1	12.6242	404.19
	1¼	12.6243	527.88
	1½	12.6244	531.74
	2	12.6245	622.25

Failsafe close PTFE Diaphragm	Inch Solvent Cement Unions		
	Size	Code	Price
	½	12.6247	283.07
	¾	12.6248	288.13
	1	12.6249	404.19
	1¼	12.6250	538.23
	1½	12.6251	542.16
	2	12.6252	622.25

Requires pilot valve - enquire for details.

Failsafe close EPDM Diaphragm	MM Solvent Cement Unions		
	Size	Code	Price
	20	12.5616	269.06
	25	12.5619	275.42
	32	12.5622	386.38
	40	12.5625	506.23
	50	12.5628	508.74
	63	12.5631	594.19

Failsafe close FPM Diaphragm	MM Solvent Cement Unions		
	Size	Code	Price
	20	12.5617	283.07
	25	12.5620	288.13
	32	12.5623	404.19
	40	12.5626	527.88
	50	12.5629	531.74
	63	12.5632	622.25

Failsafe close PTFE Diaphragm	MM Solvent Cement Unions		
	Size	Code	Price
	20	12.5618	283.07
	25	12.5621	288.13
	32	12.5624	404.19
	40	12.5627	527.88
	50	12.5630	531.74
	63	12.5633	622.25

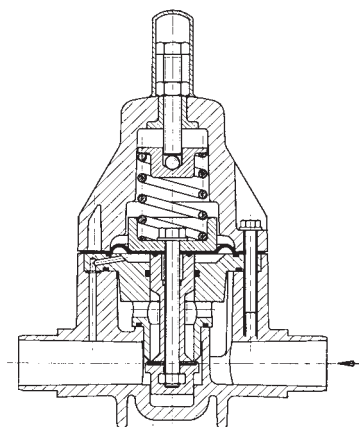
### The function of a pressure reducing valve

A pressure reducing valve is installed in-line. It is responsible for maintaining the downstream line pressure to the pressure set at the valve.

The valve works by responding to changes in the downstream pressure. For example, assume that there are normally two open valves downstream from the pressure regulator. When one is closed, the back pressure will increase. As this happens, the pressure reducing valve would close down to maintain the downstream pressure. When the valve is re-opened the pressure reducing valve would also open up again until the set pressure was reached.

Under operating conditions the pressure reducing valve is always open which means that it is balanced between the inlet pressure (primary side) and the lower outlet/working pressure. At any rise of working pressure at the valve outlet a pressure compensation via the control bore takes place at the area below the diaphragm. The higher working pressure activates the large diaphragm and lifts the piston against the spring force. The flow reduces and the working pressure drops until the balanced condition is reached again. When the working pressure drops this procedure is reversed. The spring force opens the valve seat against the lower pressure force below the diaphragm. The flow rises until the balanced condition is reached again.

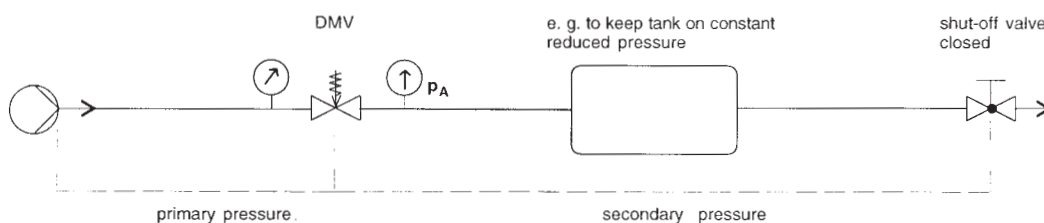
Pre-setting or re-adjustment of the valve set pressure is made by removing the protective cap and by setting the control screw. The counter nut is tightened after final adjustment. When used with neutral fluids, many of the pressure reducing or relief valves can be fitted with a pressure gauge if required.



### Applications for Pressure Reducing Valves

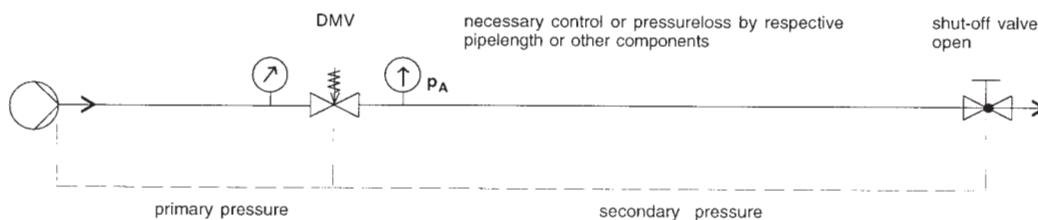
#### working condition 1

If shut-off valve opens the working pressure  $p_A$  drops by an opening pressure  $p_O$



#### working condition 2

If shut-off valve closes the working pressure  $p_A$  rises by the a closing pressure  $p_S$





## ASV Stubbe DMV 755 Pressure Reducing Valve

**Description:** In-line adjustable valve used to reduce system pressures and to keep the working pressure constant  
**Mounting:** In any position  
**Maximum Fluid Pressure at 20°C:** 10 bar  
**Pressure Setting Range:** 1 to 9 bar  
**Hysteresis:** Approx. 0.1 to 0.4 bar  
**Fluid Temperature Range:** 0°C-50°C  
**Construction:**  
**Body:** PVC-U  
**Diaphragm:** EPDM with PTFE liner on fluid side  
**Seats and Seals:** EPDM or FPM  
**End Connections:** Union solvent sockets or solvent cement spigots  
**Features:** Adjustable at any time, even during use. Constant pressure control to  $\pm 0.2$  bar. Vibration free during operation. Installation is independent of flow direction.  
**Options:** Factory fitted pressure gauge available on request.



Setting Range - 1 to 9 bar

EPDM Seals	Inch Solvent Cement Unions		
	Size	Code	Price
	1/2	148827	496.26
	3/4	148828	648.13
	1	148829	655.45
	1 1/4	148830	802.00
	1 1/2	148831	816.70
	2	148832	831.47

EPDM Seals	MM Solvent Cement Unions		
	Size	Code	Price
	16	148784	495.22
	20	148785	496.26
	25	148786	660.84
	32	148787	668.32
	40	148788	817.79
	50	148789	832.78
	63	148790	847.84

EPDM Seals	MM Solvent Cement Spigots		
	Size	Code	Price
	16	148749	476.90
	20	148750	476.90
	25	148751	627.22
	32	148752	627.22
	40	148753	769.16
	50	148754	769.16
	63	148755	769.16

FPM Seals	Inch Solvent Cement Unions		
	Size	Code	Price
	1/2	148834	496.26
	3/4	148835	648.13
	1	148836	655.45
	1 1/4	148837	836.31
	1 1/2	148838	855.88
	2	148839	876.54

FPM Seals	MM Solvent Cement Unions		
	Size	Code	Price
	16	148798	518.68
	20	148799	522.55
	25	148800	680.80
	32	148801	689.37
	40	148802	852.74
	50	148803	872.76
	63	148804	893.79

FPM Seals	MM Solvent Cement Spigots		
	Size	Code	Price
	16	148756	496.37
	20	148757	496.37
	25	148758	650.78
	32	148759	650.78
	40	148760	801.67
	50	148761	801.67
	63	148762	801.67

## ASV Stubbe Gauge Guard

**Description:** Pressure gauge connector with isolating diaphragm  
**Mounting:** In any position  
**Maximum Fluid Pressure at 20°C:** 10 bar  
**Fluid Temperature Range:** 0°C-60°C  
**Construction:**  
**Body:** PVC-U  
**Diaphragm:** PTFE (EPDM backed)

NPT Female x NPT Female	Size	Code	Price
	1/4x1/4	212994	127.34
Spigot/BSP Female x BSP Female	Size	Code	Price
	25x1/4x1/4	212970	133.71
	32x1/2x1/2	212983	133.71



Please note: gauge not included.

## ASV Stubbe DMV 765 Pressure Reducing Valve

**Description:** In-line adjustable valve used to reduce system pressures and to keep the working pressure constant

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 10 bar

**Pressure Setting Range:** 0.5 to 9 bar

**Hysteresis:** Approx. 0.1 to 0.4 bar

**Fluid Temperature Range:** 0°C-50°C

**Construction:**

**Body:** PVC-U

**Diaphragm:** EPDM with PTFE liner on fluid side

**Seats and Seals:** EPDM or FPM

**End Connections:** Union solvent sockets or solvent cement spigots

**Features:** Adjustable at any time, even during use. Constant pressure control to  $\pm 0.2$  bar. Vibration free during operation. Installation is independent of flow direction.

**Options:** Factory fitted pressure gauge available on request.



Setting Range - 0.5 to 9 bar

### Inch Solvent Cement Unions

EPDM Seals

Size	Code	Price
1/2	149277	533.12
3/4	149278	693.36
1	149279	698.16
1 1/4	149280	839.91
1 1/2	149281	853.59
2	149282	864.30

### Inch Solvent Cement Unions

FPM Seals

Size	Code	Price
1/2	149284	549.13
3/4	149285	712.66
1	149286	719.08
1 1/4	149287	874.21
1 1/2	149288	892.54
2	149289	909.78

### MM Solvent Cement Unions

EPDM Seals

Size	Code	Price
16	149234	531.87
20	149235	533.12
25	149236	727.01
32	149237	698.16
40	149238	856.40
50	149239	870.42
63	149240	881.32

### MM Solvent Cement Unions

FPM Seals

Size	Code	Price
16	149248	556.08
20	149249	559.93
25	149250	726.74
32	149251	733.22
40	149252	891.43
50	149253	910.12
63	149254	927.67

### MM Solvent Cement Spigots

EPDM Seals

Size	Code	Price
16	149199	514.78
20	149200	514.78
25	149201	671.22
32	149202	671.22
40	149203	805.81
50	149204	805.81
63	149205	805.81

### MM Solvent Cement Spigots

FPM Seals

Size	Code	Price
16	149206	533.49
20	149207	533.49
25	149208	695.64
32	149209	682.19
40	149210	821.57
50	149211	821.57
63	149212	821.57

## ASV Stubbe DMV 750 Pressure Reducing Valve

**Description:** In-line adjustable valve used to reduce system pressures and to keep the working pressure constant

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 10 bar

**Pressure Setting Range:** 1 to 6 bar

**Hysteresis:** Approx. 0.1 to 0.4 bar

**Fluid Temperature Range:** 0°C-50°C

**Construction:**

**Body:** PVC-U

**Diaphragm:** EPDM with PTFE liner on fluid side

**Seats and Seals:** EPDM or FPM

**End Connections:** Solvent cement spigots

**Features:** Adjustable at any time, even during use. Constant pressure control to  $\pm 0.2$  bar. Installation is independent of flow direction.



Setting Range - 1 to 6 bar

### MM Solvent Cement Spigots

EPDM Seals

Size	Code	Price
75	148460	2422.78
90	148461	5754.46

## Valve Tags

We manufacture laminated plastic or stainless steel valve tags to order.

Laminated Plastic	Code	Price
38mm Diameter engraved one side	LAMTAG38	5.64
38mm Diameter engraved two sides	LAMTAG38/2	6.78
50mm Diameter engraved one side	LAMTAG50	5.64
50mm Diameter engraved two sides	LAMTAG50/2	6.78

Stainless Steel	Code	Price
Rectangular tag engraved one side	S.S.TAG	5.94



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### The function of a pressure relief valve

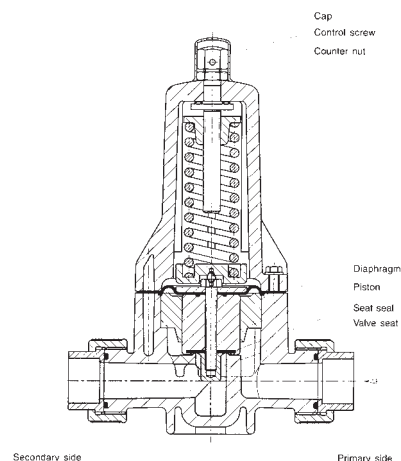
A pressure relief valve is most often used to protect a system from over-pressurisation, but it can also be used to maintain a constant upstream pressure or even as a non-return valve in certain installations.

Not normally installed as an in-line valve, it only opens when the system pressure exceeds the pressure set against the diaphragm of the valve. When this happens, the excess pressure forces the valve piston off its seat, compressing the spring and allowing fluid to flow through the valve body to discharge. Damping at the valve piston suppresses vibration and fluttering.

The pre-formed diaphragm allows full opening of the valve whilst separating the fluid in the lower body from the bonnet and therefore the atmosphere. The seal is additionally secured by crimped seal O-rings at the diaphragm.

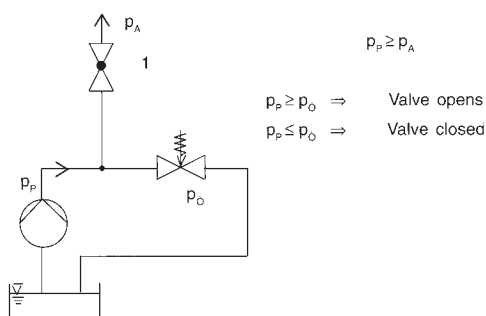
When the system pressure falls back to below the set pressure, the spring forces the piston back into the seat, closing the valve.

Pre-setting or re-adjustment of the valve set pressure is made by removing the protective cap and by setting the control screw. The counter nut is tightened after final adjustment. When used with neutral fluids, many of the pressure relief valves can be fitted with a pressure gauge if required.

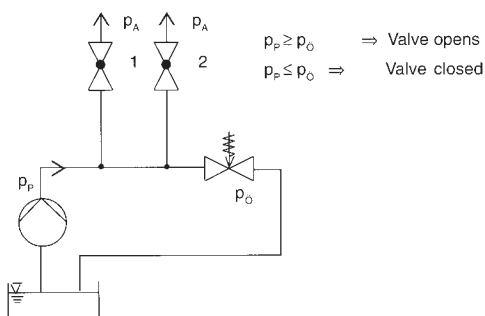


### Applications for Pressure Relief Valves

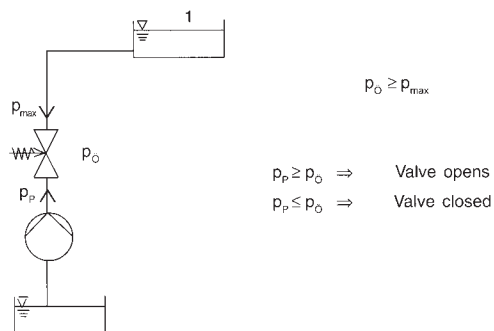
#### 1. Constant system pressure



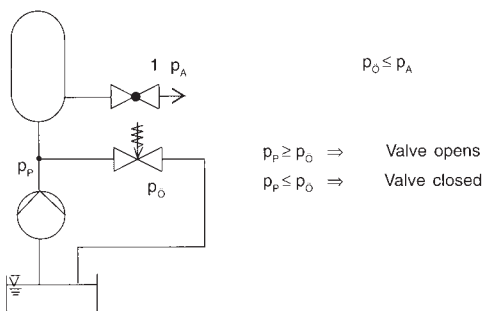
#### 2. Consumer 1 and /or 2 opens, pressure relief valve closes



#### 3. Pressure relief valve as backflow preventer



#### 4. Pressure relief valve as overflow valve: The container pressure or system must not exceed the max. pressure value



X = valve opens  
 Y = valve closed  
 $p_{max}$  = max. pressure  
 $p_A$  = working pressure  
 $p_P$  = pump pressure  
 $p_O$  = opening pressure

## ASV Stubbe DHV 712-R Pressure Relief and Non-Return Valve

**Description:** Adjustable pressure relief and overflow valve, back-pressure safe

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 10 bar

**Pressure Setting Range:** 0.3 to 10 bar

**Opening Pressure:** Approx. 0.3-0.5 bar

**Hysteresis:** Approx. 0.3 bar

**Fluid Temperature Range:** 0°C-50°C

**Construction:**

**Body:** PVC-U

**Diaphragm:** EPDM with PTFE liner on fluid side

**Seats and Seals:** EPDM or FPM

**End Connections:** Union solvent sockets or solvent cement spigots

**Features:** Unique design: valve acts as a non-return valve if there is no pressure on the inlet side. Adjustable at any time, even during use. Vibration free during operation. Maintenance free. High reproducibility, low hysteresis.

**Options:** Factory fitted pressure gauge available on request.



Setting Range - 0.3 to 10 bar

### Inch Solvent Cement Unions

EPDM Seals

Size	Code	Price
3/8	146414	281.77
1/2	146415	298.46
3/4	146416	416.59
1	146417	426.67
1 1/4	146418	532.06
1 1/2	146419	550.47
2	146420	569.43

### MM Solvent Cement Unions

EPDM Seals

Size	Code	Price
16	146350	301.08
20	146351	304.34
25	146352	424.80
32	146353	435.06
40	146354	542.53
50	146355	561.31
63	146356	580.66

### MM Solvent Cement Spigots

EPDM Seals

Size	Code	Price
16	146494	271.17
20	146495	271.17
25	146496	388.10
32	146497	388.10
40	146498	490.83
50	146499	490.83
63	146500	490.83

### Inch Solvent Cement Unions

FPM Seals

Size	Code	Price
3/8	146422	284.81
1/2	146423	309.51
3/4	146424	450.99
1	146425	454.82
1 1/4	146426	570.62
1 1/2	146427	593.47
2	146428	617.52

### MM Solvent Cement Unions

FPM Seals

Size	Code	Price
16	146366	308.35
20	146367	315.60
25	146368	438.58
32	146369	454.82
40	146370	570.62
50	146371	593.47
63	146372	617.52

### MM Solvent Cement Spigots

FPM Seals

Size	Code	Price
16	146510	277.08
20	146511	277.03
25	146512	395.24
32	146513	395.24
40	146514	507.76
50	146515	507.76
63	146516	507.76

## Pressure Gauge Version

### MM Solvent Cement Unions

EPDM Seals

Size	Code	Price
3/8	146390	
1/2	146391	
3/4	146392	
1	146393	on application
1 1/4	146394	
1 1/2	146395	
2	146396	

### MM Solvent Cement Spigots

EPDM Seals

Size	Code	Price
16	146359	
20	146359	
25	146360	
32	146361	on application
40	146362	
50	146363	
63	146364	



### ASV Stubbe DHV 712 Pressure Relief Valve

**Description:** Adjustable pressure relief valve

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** Sizes 75mm & 90mm: 10 bar; 110mm: 6 bar

**Pressure Setting Range:** Choice of 0.3 to 4 bar, 0.5 to 6 bar or 0.5 to 10 bar

**Opening Pressure:** Approx. 0.3 to 0.5 bar

**Hysteresis:** Maximum approx. 1 bar

**Fluid Temperature Range:** 0°C-50°C

**Construction:**

**Body:** PVC-U

**Diaphragm:** EPDM with PTFE liner on fluid side

**Seats and Seals:** EPDM or FPM

**End Connections:** Solvent cement spigots

**Features:** Adjustable at any time, even during use. Vibration and flutter free during operation. Maintenance free.



Setting Range  
0.3 to 4 bar

EPDM Seals

#### MM Solvent Cement Spigots

Size	Code	Price
75	148306	1851.52
90	148307	2931.22
110	148308	4485.38

Setting Range  
0.5 to 6 bar

EPDM Seals

#### MM Solvent Cement Spigots

Size	Code	Price
110	148327	4485.38

Setting Range  
0.5 to 10 bar

EPDM Seals

#### MM Solvent Cement Spigots

Size	Code	Price
75	148319	1851.51
90	148320	2098.75

#### MM Solvent Cement Spigots

FPM Seals

Size	Code	Price
75	148309	2035.59
90	148310	3225.10
110	148311	4931.41

#### MM Solvent Cement Spigots

FPM Seals

Size	Code	Price
110	148328	4931.41

#### MM Solvent Cement Spigots

FPM Seals

Size	Code	Price
75	148321	2035.59
90	148322	3225.10

## ASV Stubbe DHV 718 Pressure Relief Valve

**Description:** Adjustable pressure relief valve

**Mounting:** In any position

**Maximum Fluid Pressure at 20°C:** 10 bar

**Pressure Setting Range:** 0.5 to 10 bar

**Opening Pressure:** Approx. 0.5 bar

**Hysteresis:** Approx. 1 bar

**Fluid Temperature Range:** 0°C-50°C

**Construction:**

**Body:** PVC-U **Diaphragm:** EPDM with PTFE liner on fluid side

**End Connections:** Solvent weld spigots

**Features:** Adjustable at any time, even during use. Vibration and flutter free during operation. Maintenance free. High reproducibility, low hysteresis.

**Options:** Factory fitted pressure gauge available on request.

Ideal for  
Oscillating  
Pumps

Setting Range - 0.5 to 10 bar



Size 12mm

### MM Solvent Cement Unions

EPDM Seals

Size	Code	Price
12	147030	230.93

### MM Solvent Cement Unions

FPM Seals

Size	Code	Price
12	147038	237.97

### MM Fusion Spigots

Size	Code	Price
16	146889	231.05
20	146890	231.05
25	146891	330.60
32	146892	330.60
40	146893	437.10
50	146894	437.10
63	146895	437.10



Sizes 16-63mm

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