



PVC-U INCH

PVC-U CONTENTS

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PVC-U JOINTING PROCEDURES

PVC-U cement is gap filling

PVC-U cement softens the inside of the fitting and the outside of the pipe to form a joint chemically.

Strength of joint is reduced if surfaces are not cleaned and properly prepared.

PVC-U INCH

1. Cut the pipe end square.
2. Remove burrs and clean out swarf. A chamfer must be filed approx 3mm x 45° (This will prevent the layer of cement being scraped away as the pipe is pushed into the fitting).
3. Use a felt marker pen or pencil to mark the pipe at the distance which will penetrate the socket to the root/stop.
4. Thoroughly clean the surfaces of both pipe and fittings with MEK cleaner on a clean lint-free cloth. Please note it is not necessary to abrade pipe or fitting unless pipes are discoloured/sun bleached.
5. Stir the PVC-U Cement thoroughly.
6. Use a clean brush approximately half as wide as the pipe to be jointed.
Apply cement to the pipe and fittings using longitudinal strokes.
The pipe should have a slightly thicker coating than the fitting.
The prepared areas should be completely covered with cement.
Note: It is important to apply cement quickly to enable assembly without excessive force being required.
7. Immediately after application of cement push pipe fully home into the fitting without rotating.
Hold the pipe and fitting for up to a minute, depending on size, to ensure fitting does not slide off the pipe.
Note: When working under cold conditions ensure the joints are free from frost and moisture and allow extra curing time.
8. Wipe off excess cement from both sides of the joint using a clean lint-free cloth.
9. Replace lids on tins.
10. Clean brush in MEK cleaner.

PRECAUTIONS

The jointing area must be well ventilated

Do not allow a naked flame or smoking in the jointing area

Ensure cement is used prior to its expiry date (shown on bottom of tin)

Wear rubber or latex gloves when applying MEK cleaner and PVC-U cement

Never dilute PVC-U solvent cement

Always replace lids on tins when not in use

Always use clean brushes

Always use clean lint-free cloth or absorbent paper

Use a shelter to keep jointing surfaces dry in wet weather

CEMENT SETTING TIMES

PIPE DIAMETER	UP TO 2"		2 1/2" TO 4"		5" AND ABOVE	
Temperature	Up to 10 bar	Up to 16 bar	Up to 10 bar	Up to 16 bar	Up to 10 bar	Up to 16 bar
>10°C	2 h	4 h	4 h	8 h	8 h	16 h
5°C to 10°C	4 h	8 h	8 h	16 h	16 h	32 h

These times are applicable to UNI100 Griffon cement.

PIPE DIAMETER	UP TO 1 1/2"			2" TO 4"			5" AND ABOVE		
Temperature	5 bar	10 bar	16 bar	5 bar	10 bar	16 bar	5 bar	10 bar	16 bar
>15°C	15 min	30 min	2 h	30 min	1 h	4 h	2 h	8 h	16 h
5°C to 15°C	30 min	1 h	4 h	1 h	2 h	8 h	4 h	16 h	32 h

These times are applicable to WDF-05 Griffon cement.

CEMENT USAGE RECOMMENDATIONS

The following is an estimation of the number of joints likely to be achieved per litre of solvent cement.

NOMINAL BORE	NUMBER OF JOINTS	TYPE AND SIZE OF BRUSH	NUMBER OF PEOPLE
3/8" - 1/2"	1300	4mm Round	1
3/4" - 1"	650	8mm Round	1
1 1/4" - 2"	160	1" Flat	1
2 1/2"	90	2" Flat	1
3"	70	2" Flat	2
4"	30	3" Flat	2
5" - 6"	20	3" Flat	3
8"	12	3" Flat	3
10"	8	3" Flat	3
12"	4	3" Flat	3



NOTE 2



NOTE 3



NOTE 4



NOTE 4



NOTE 6



NOTE 6



NOTE 7



NOTE 8



NOTE 8

PVC-U INCH

INSTALLING THREADED FITTINGS

1. Ensure all threads are clean.
2. Apply PTFE tape to the male thread for 1½ turns in a clockwise direction.
3. Screw the female threaded fitting by hand onto the male thread.
4. It should be possible to screw the fitting on by hand for ¾ of the thread length.
5. After tightening by hand add an extra ½ turn with a suitable tool ie strap wrench

PRECAUTIONS

Use PTFE tape only. Do not use thread seal paste or any other jointing compound. Do not force tightening of the joint under any circumstances. For connecting plastic pipework systems to metal pipework systems composite unions and/or flanges must be used.

PVC-U PRESSURE PIPES

MANUFACTURING STANDARDS

Imperial PVC-U products are generally manufactured in accordance with the following standards:

Pipe - EN1452-2

Fittings - EN1452-3 / BS4346 Part 1

Threaded Fittings - BS21, DIN2999, ISO7

Unless otherwise stated PVC-U Pressure Fittings have the following pressure ratings:

Solvent Weld - 3/8" to 8" = Class E/15 bar

Threaded = Class D/12 bar

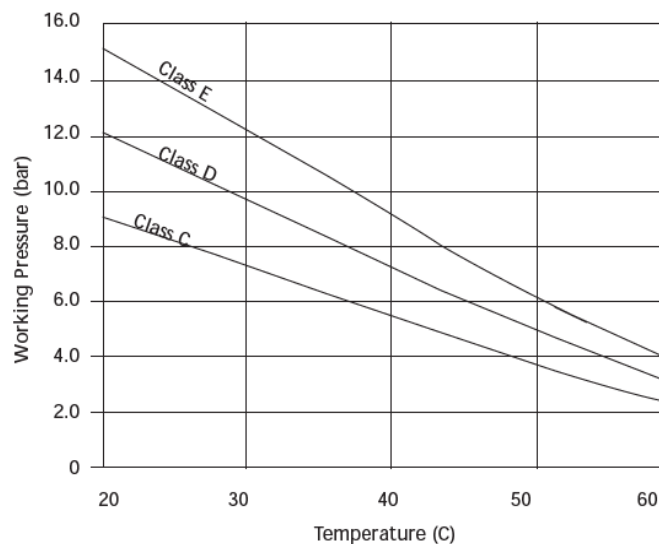
* All quoted at 20°C

PVC-U SYSTEM PRESSURE/TEMPERATURE RELATIONSHIP

Pressure ratings for plastic pipework systems are always quoted at 20°C, it is a fundamental principle of such systems that if the temperature is increased then the pressure rating must be reduced.

PVC-U systems should never be used for temperatures in excess of 60°C.

The following chart gives a rough guide as to the pressure/temperature relationship of PVC-U pipework systems.



In above ground installations it is essential to provide support to ensure that the weight of the pipe and its contents are adequately supported. The recommended maximum support spacings for horizontal runs of PVC-U pipe are given in the table below. Spacings are calculated assuming the pipes are carrying water.

PVC-U PIPEWORK SUPPORT CENTRES

NOMINAL BORE	20°C	25°C	30°C	35°C	40°C	45°C	20°C-45°C
SPACING GIVEN IN METRES							VERTICAL PIPES
3/8"	0.75	0.67	0.60	0.50	0.40		0.80
1/2"	0.85	0.77	0.70	0.60	0.50		0.90
3/4"	0.90	0.82	0.75	0.65	0.55	0.50	1.00
1"	1.00	0.92	0.85	0.75	0.65	0.57	1.20
1 1/4"	1.10	1.05	1.00	0.90	0.80	0.70	1.40
1 1/2"	1.25	1.20	1.15	1.05	0.95	0.82	1.60
2"	1.40	1.35	1.30	1.20	1.10	0.97	1.80
2 1/2"	1.50	1.45	1.40	1.30	1.20	1.07	2.00
3"	1.65	1.60	1.55	1.45	1.35	1.20	2.20
4"	1.85	1.80	1.75	1.65	1.55	1.37	2.40
5"	2.15	2.10	2.05	1.95	1.85	1.72	2.50
6"	2.25	2.20	2.15	2.07	2.00	1.85	2.50
8"	2.50	2.45	2.40	2.32	2.25	2.12	2.50

INCH GREY PVC-U PRESSURE PIPE TO EN1452-2

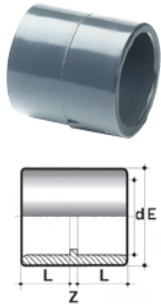


SIZE	PART NO	£/M	CLASS	PIPE OD mm	WALL mm	PIPE ID mm	Wt (Kg/m)
3/8"	021.P.01EPE		E	17.1	1.5	14.1	0.09
	021.P.017PE		7	17.1	3.2	9.5	0.22
1/2"	021.P.02EPE		E	21.4	1.7	18.0	0.17
	021.P.027PE		7	21.4	3.7	13.4	0.32
3/4"	021.P.03EPE		E	26.7	1.9	22.9	0.24
	021.P.037PE		7	26.7	3.9	18.3	0.44
1"	021.P.04EPE		E	33.6	2.2	29.2	0.35
	021.P.047PE		7	33.6	4.5	24.0	0.65
1 1/4"	021.P.05DPE		D	42.2	2.2	37.8	0.45
	021.P.05EPE		E	42.2	2.7	36.8	0.55
	021.P.057PE		7	42.2	4.8	31.8	0.89
1 1/2"	021.P.06DPE		D	48.3	2.5	43.3	0.59
	021.P.06EPE		E	48.3	3.1	42.1	0.71
	021.P.067PE		7	48.3	5.1	37.3	1.10
2"	021.P.07CPE		C	60.3	2.5	55.3	0.75
	021.P.07DPE		D	60.3	3.1	54.1	0.90
	021.P.07EPE		E	60.3	3.9	52.5	1.10
2 1/2"	021.P.077PE		7	60.3	5.5	48.3	1.50
	021.P.08CPE		C	75.2	3.6	68.8	1.24
	022.P.07516PE		E	75.2	5.6	64.0	1.86
3"	021.P.09CPE		C	88.9	3.5	81.9	1.51
	021.P.09DPE		D	88.9	4.6	79.7	1.93
	021.P.09EPE		E	88.9	5.7	77.5	2.37
4"	021.P.10CPE		C	114.3	4.5	105.3	2.47
	021.P.10DPE		D	114.3	6.0	102.3	3.24
	021.P.10EPE		E	114.3	7.3	99.7	3.86
5"	021.P.11CPE		C	140.2	6.0	128.2	3.71
	022.P.14016PE		E	140.2	8.3	123.6	6.60
	021.P.12CPE		C	168.3	6.6	155.1	5.30
6"	021.P.12DPE		D	168.3	8.8	150.7	6.95
	021.P.12EPE		E	168.3	10.8	146.7	8.37
8"	021.P.13CPE		C	219.1	7.8	203.5	8.20
	021.P.13DPE		D	219.1	10.3	198.5	10.56
	021.P.13EPE		E	219.1	12.6	193.9	12.50
10"	021.P.14CPE		C	273.0	9.7	253.6	12.00
	021.P.14DPE		D	273.0	12.8	247.4	15.80
	021.P.14EPE		E	273.0	15.7	241.6	18.90
12"	021.P.15CPE		C	323.9	11.5	300.9	16.60
	021.P.15DPE		D	323.9	15.2	293.5	22.20
	021.P.15EPE		E	323.9	18.7	286.5	26.70
14"	021.P.16CPE		C	355.6	14.1	327.4	20.20
	021.P.16DPE		D	355.6	18.6	318.4	26.50
	021.P.16EPE		E	355.6	22.8	310.0	32.00
16"	021.P.17CPE		C	406.4	14.5	377.4	26.50
	021.P.17DPE		D	406.4	19.0	368.4	34.60
	021.P.17EPE		E	406.4	23.4	359.6	41.5
18"	021.P.18CPE		C	457.2	16.3	424.6	33.3
	021.P.18DPE		D	457.2	21.4	414.4	43.9
20"	021.P.19CPE		C	508.0	18.1	471.8	41.5
24"	021.P.20CPE		C	609.6	21.7	566.2	59.9

PIPE IS SUPPLIED PLAIN ENDED.
 PRICE ON APPLICATION FOR OTHER END CONFIGURATIONS IE SPIGOT AND SOCKET/RUBBER RING.
 PIPES WITH SPIGOT/SOCKET AND RUBBER RING ENDS MAY BE SUBJECT TO MINIMUM
 MANUFACTURING QUANTITIES AND/OR LEAD TIMES.
 STANDARD PIPE LENGTH SUPPLIED IS 6 METRES OR 5.8 METRES.
 ALL WALL THICKNESSES AND PIPE ID'S ARE APPROXIMATE VALUES.

PVC-U PRESSURE FITTINGS PLAIN

SOCKET



d	PART NO	PRICE	L	Z	E	Wt (g)						
3/8"	021.011.01		14	3	23.5	9						
1/2"	021.011.02		16	3	28	13						
3/4"	021.011.03		19	3	34	20						
1"	021.011.04		22	3	42	33						
1 1/4"	021.011.05		26	3	51	56						
1 1/2"	021.011.06		31	3	61	89						
2"	021.011.07		38	3	75	168						
2 1/2"	022.011.075P		44	4	88	222						
3"	021.011.09		51	5	106	372						
4"	021.011.10		61	6	129	620						
5"	022.011.140P		76	9	161	1100						
6"	021.011.12		86	11	191	1685						
8"	021.011.13		119	11	258	4200						
10"	021.011.14		147	10	320	9020						

90° ELBOW



d	PART NO	PRICE	L	Z	E	FIG	Wt (g)					
3/8"	021.031.01		14	9	23.5	A	13					
1/2"	021.031.02		16	11	26.5	A	15					
3/4"	021.031.03		19	14	32.5	A	24					
1"	021.031.04		22	17	41	A	42					
1 1/4"	021.031.05		26	23	50	A	72					
1 1/2"	021.031.06		31	28	60	A	150					
2"	021.031.07		38	34	75	A	285					
2 1/2"	022.031.075P		44	40	89	A	375					
3"	021.031.09		51	48	106	A	655					
4"	021.031.10		61	58	129	A	1080					
5"	022.031.140P		76	73	164	A	1990					
6"	021.031.12		86	81	188	A	3990					
8"	021.031.13		119	115	258	A	8600					
10"	021.031.14		146	210	316	B	18160					

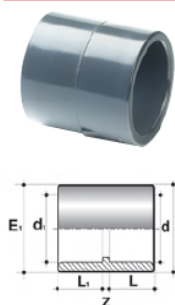
90° SHORT RADIUS BEND



d	PART NO	PRICE	L	Z	E	Wt (g)						
1/2"	021.051.02		16	40	28	38						
3/4"	021.051.03		19	50	35	59						
1"	021.051.04		22	64	42	118						
1 1/4"	021.051.05		26	80	51	180						
1 1/2"	021.051.06		31	100	63	320						
2"	021.051.07		38	126	77	535						
2 1/2"	022.051.075P		44	150	94	1015						
3"	021.051.09		51	180	113	1590						
4"	021.051.10		61	220	132	2640						

PVC-U PRESSURE FITTINGS PLAIN

INCH/METRIC ADAPTOR SOCKET



d x d1	PART NO	PRICE	L ₁	L ₂	Z	E	E ₁	Wt (g)					
1/2" x 20	023.011.02020		16	16	3	28	28	15					
3/4" x 25	023.011.03025		19	19	3	33	33	23					
1" x 32	023.011.04032		22	22	3	41	41	36					
1 1/4" x 40	023.011.05040		26	26	3	50	50	60					
1 1/2" x 50	023.011.06050		31	31	3	60.5	60.5	85					
2" x 63	023.011.07063		38	38	3	75	75	145					
3" x 90	023.011.09090		51	51	5	106	106	353					
4" x 110	023.011.10110		61	61	6	129	129	605					
6" x 160	023.011.12160		86	90	8	181	189	1500					

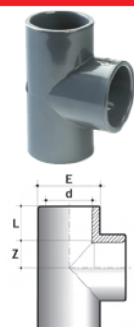
PVC-U INCH

45° ELBOW



d	PART NO	PRICE	L	Z	E	Wt (g)							
3/8"	021.041.01		14	5.5	23	10							
1/2"	021.041.02		16	5.5	28	15							
3/4"	021.041.03		19	6	34	25							
1"	021.041.04		22	8	42	41							
1 1/4"	021.041.05		26	10	51	59							
1 1/2"	021.041.06		31	12	61	125							
2"	021.041.07		38	15	75	215							
2 1/2"	022.041.075P		44	18	88	310							
3"	021.041.09		51	21	106	500							
4"	021.041.10		61	25	130	920							
5"	022.041.140P		76	32	164	1640							
6"	021.041.12		86	36	197	2150							
8"	021.041.13		119	49	258	6800							
10"	021.041.14		147	62	320	12000							

EQUAL TEE



d	PART NO	PRICE	L	Z	E	Wt (g)							
3/8"	021.061.01		14	9	23	20							
1/2"	021.061.02		16	11	27.5	21							
3/4"	021.061.03		19	14	33.5	35							
1"	021.061.04		22	17	42	63							
1 1/4"	021.061.05		26	21	51	101							
1 1/2"	021.061.06		31	26	61	207							
2"	021.061.07		38	33	75	365							
2 1/2"	022.061.075P		44	39	89	495							
3"	021.061.09		51	47	106	837							
4"	021.061.10		61	57	129	1440							
5"	022.061.140P		76	72	162.5	2610							
6"	021.061.12		86	81	188	4950							
8"	021.061.13		119	114	258	11100							
10"	021.061.14		147.5	142	319	20020							

PVC-U PRESSURE FITTINGS PLAIN

REDUCING TEE



d x d1	PART NO	PRICE	L	L1	Z	Z1	E	E1	Wt (g)			
3/4" x 1/2"	021.081.0302		19	16	14	14	33.5	28	42			
1" x 1/2"	021.081.0402		22	16	17	17	42	28	69			
1" x 3/4"	021.081.0403		22	19	17	17	42	34	70			
1 1/4" x 1/2"	021.081.0502		26	16	21	21	51	38	112			
1 1/4" x 3/4"	021.081.0503		26	19	21	21	51	34	115			
1 1/4" x 1"	021.081.0504		26	22	21	21	51	42	118			
1 1/2" x 1/2"	021.081.0602		31	16	26	26	61	28	155			
1 1/2" x 3/4"	021.081.0603		31	19	26	26	61	34	166			
1 1/2" x 1"	021.081.0604		31	22	26	26	61	42	170			
1 1/2" x 1 1/4"	021.081.0605		31	26	26	26	61	51	178			
2" x 1/2"	021.081.0702		38	16	33	33	75	28	268			
2" x 3/4"	021.081.0703		38	19	33	33	75	34	270			
2" x 1"	021.081.0704		38	22	33	33	75	42	275			
2" x 1 1/4"	021.081.0705		38	26	33	33	75	51	288			
2" x 1 1/2"	021.081.0706		38	31	33	33	75	61	300			
2 1/2" x 1"	021.081.0804		44	22	39	39	89	42	463			
2 1/2" x 1 1/4"	021.081.0805		44	26	39	39	89	51	465			
2 1/2" x 1 1/2"	021.081.0806		44	31	39	39	89	61	465			
2 1/2" x 2"	021.081.0807		44	38	39	39	89	75	478			
3" x 1 1/4"	021.081.0905		51	26	47	47	106	51	702			
3" x 1 1/2"	021.081.0906		51	31	47	47	106	61	740			
3" x 2"	021.081.0907		51	38	47	47	106	75	740			
3" x 2 1/2"	021.081.0908		51	44	47	47	106	89	760			
4" x 1 1/2"	021.081.1006		61	31	57	57	129	61	1250			
4" x 2"	021.081.1007		61	38	57	57	129	75	1200			
4" x 2 1/2"	021.081.1008		61	44	57	57	129	89	1220			
4" x 3"	021.081.1009		61	51	57	57	129	106	1250			

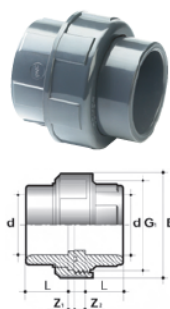
Y PIECE/45° TEE



d	PART NO	PRICE	L	Z1	Z2	E	Wt (g)					
1/2"	021.071.02		16	7	29	27.5	36					
3/4"	021.071.03		19	7	36	33.5	49					
1"	021.071.04		22	8	44	42	92					
1 1/4"	021.071.05		26	10	54	50.5	149					
1 1/2"	021.071.06		31	12	65	61	297					
2"	021.071.07		38	14	80	74.5	513					
2 1/2"*	022.071.075K		44	18	101	91	690					
5"*	022.071.140K			34	190							
6"*	021.071.12			43	224							

* PN10 RATED

UNION



d	PART NO	PRICE	L	Z1	Z2	G1	E	Wt (g)				
3/8"	021.021.01		14	3	10	1/4"	34	30				
1/2"	021.021.02		16	3	10	1"	42	41				
3/4"	021.021.03		19	3	10	1 1/4"	52	67				
1"	021.021.04		22	3	10	1 1/2"	59	90				
1 1/4"	021.021.05		26	3	12	2"	72	135				
1 1/2"	021.021.06		31	3	14	2 1/4"	79	206				
2"	021.021.07		38	3	18	2 3/4"	96	360				
2 1/2"*	022.021.075P		44	3	18	3 1/2"	119	580				
3"*	021.021.09		51	5	18	4"	134	777				
4"*	021.021.10		61	5	18	5"	163	1150				

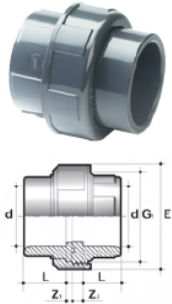
* PN10 RATED

SPARE PARTS FOR UNIONS AVAILABLE SEE PAGE 82

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN

INCH/METRIC ADAPTOR UNION



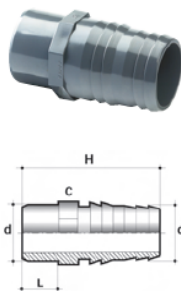
d x d ₁	PART NO	PRICE	L	Z ₁	Z ₂	G ₁	E	Wt (g)				
3/8" x 16	023.021.01016		14	3	10	3/4"	34	30				
1/2" x 20	023.021.02020		16	3	10	1"	42	41				
3/4" x 25	023.021.03025		19	3	10	1 1/4"	52	67				
1" x 32	023.021.04032		22	3	10	1 1/2"	59	90				
1 1/4" x 40	023.021.05040		26	3	12	2"	72	135				
1 1/2" x 50	023.021.06050		31	3	14	2 1/4"	79	206				
2" x 63*	023.021.07063		38	3	18	2 3/4"	96	360				
3" x 90*	023.021.09090		51	5	18	4"	134	777				
4" x 110*	023.021.10110		61	5	18	5"	163	1150				

* PN10 RATED

SPARE PARTS FOR UNIONS AVAILABLE SEE PAGE 82

PVC-U INCH

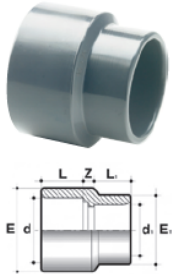
HOSE ADAPTOR - MALE SPIGOT x MM HOSE TAIL



d x d ₁	PART NO	PRICE	d	d ₁	L	H	C	Wt (g)				
1/2" x 20	023.261.02020		1/2"	20	16	70	24	23				
3/4" x 25	023.261.03025		3/4"	25	19	79	27	30				
1" x 32	023.261.04032		1"	32	22	83	36	50				
1 1/4" x 40	023.261.05040		1 1/4"	40	26	96	46	73				
1 1/2" x 50	023.261.06050		1 1/2"	50	31	108	55	137				
2" x 60	023.261.07060		2"	60	38	130	65	208				

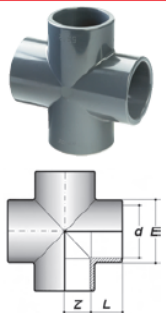
RANGE OF PP HOSE FITTINGS AVAILABLE SEE PAGE 308

REDUCING SOCKET



d x d ₁	PART NO	PRICE	L	L ₁	Z	E	E ₁	Wt (g)				
3/4" x 1/2"	021.601.0302		19	16	6	34	28	32				
1" x 3/4"	021.601.0403		22	19	6	42	33	53				
1 1/4" x 1"	021.601.0504		26	22	6	51	41	89				
1 1/2" x 1 1/4"	021.601.0605		31	26	6	61	50	134				
2" x 1 1/2"	021.601.0706		38	31	6	75	60.5	225				
2 1/2" x 2"	021.601.0807		44	38	6	89	75	359				
3" x 2 1/2"	021.601.0908		51	44	6	106	88	571				
4" x 3"	021.601.1009		61	51	6	129	106	940				
6" x 4"	021.601.1210											

CROSS



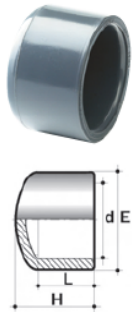
d	PART NO	PRICE	L	Z	E	Wt (g)						
1/2"	021.191.02		16	11	27.5	26						
3/4"	021.191.03		19	14	33.5	41						
1"	021.191.04		22	17	42	72						
1 1/4"	021.191.05		26	21	51	114						
1 1/2"	021.191.06		31	26	61	233						
2"	021.191.07		38	33	75	411						
2 1/2" **	022.191.075P		44	40	89	776						
3" **	021.191.09		51	48								
4" **	021.191.10		63	60								

* PN10 RATED

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN

CAP



d	PART NO	PRICE	L	H	E	Wt (g)						
3/8"	021.221.01		14	22	23	7						
1/2"	021.221.02		16	27	28	10						
3/4"	021.221.03		19	31	33	16						
1"	021.221.04		22	36	41	26						
1 1/4"	021.221.05		26	43	50	40						
1 1/2"	021.221.06		31	49	60.5	73						
2"	021.221.07		38	57	75	128						
2 1/2"	022.221.075P		44	67	89	178						
3"	021.221.09		51	80	106	310						
4"	021.221.10		61	95	129	520						
5"	022.221.140P		76	114	161	920						
6"	021.221.12		86	126	181	1317						
8"	021.221.13		119	145	258	3478						

REDUCING BUSH



FIG A



FIG B

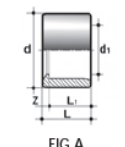


FIG A

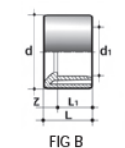


FIG B

d x d1	PART NO	PRICE	L	L1	Z	FIG	Wt (g)					
1/2" x 3/8"	021.091.0201		16	14	2	A	3					
3/4" x 1/2"	021.091.0302		19	16	3	A	4					
1" x 1/2"	021.091.0402		22	16	6	A	12					
1" x 3/4"	021.091.0403		22	19	3	A	8					
1 1/4" x 1/2"	021.091.0502		26	16	10	B	23					
1 1/4" x 3/4"	021.091.0503		26	19	7	A	22					
1 1/4" x 1"	021.091.0504		26	22	4	A	15					
1 1/2" x 3/4"	021.091.0603		31	19	12	B	29					
1 1/2" x 1"	021.091.0604		31	22	9	B	32					
1 1/2" x 1 1/4"	021.091.0605		31	26	5	A	17					
2" x 1"	021.091.0704		38	22	16	B	52					
2" x 1 1/4"	021.091.0705		38	26	12	B	53					
2" x 1 1/2"	021.091.0706		38	31	7	A	41					
2 1/2" x 1 1/2"	021.091.0806		44	31	13	B	89					
2 1/2" x 2"	021.091.0807		44	38	6	A	72					
3" x 1 1/2"	021.091.0906		51	31	20	B	159					
3" x 2"	021.091.0907		51	38	13	B	137					
3" x 2 1/2"	021.091.0908		51	44	7	A	116					
4" x 2"	021.091.1007		61	38	23	B	337					
4" x 2 1/2"	021.091.1008		61	44	17	B	266					
4" x 3"	021.091.1009		61	51	10	A	246					
5" x 3"	021.091.1109		76	51	25	B	455					
5" x 4"	021.091.1110		76	61	115	B	410					
6" x 4"	021.091.1210		86	61	25	B	683					
8" x 6"	021.091.1312		119	86	33	B	1540					
10" x 8"	021.091.1413		147	120	27	B	3090					

STUB FLANGE



d	PART NO	PRICE	L	Z	S	E	E1	Wt (g)				
1/2"	021.111.02		16	3	6	27	34	10				
3/4"	021.111.03		19	3	7	33	41	14				
1"	021.111.04		22	3	7	41	50	23				
1 1/4"	021.111.05		26	3	8	50	61	48				
1 1/2"	021.111.06		31	3	8	61	73	68				
2"	021.111.07		38	3	9	76	90	128				
2 1/2"	022.111.075P		44	3	10	90	106	160				
3"	021.111.09		51	5	11	108	125	272				
4"	021.111.10		61	5	12	131	150	361				
5"	022.111.140P		77	7	13	163	187	750				
6"	021.111.12		88	7	14	193	217	1155				
8"	021.111.13		119	7	19	248	274	2092				
10"	021.111.14		142	10	23	308	329	3536				

PVC-U PRESSURE FITTINGS PLAIN

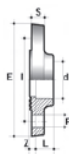
PVC SINGLE CLAMP SADDLE - INCH SIZES



d	PART NO	PRICE
3" x 1/2"	021.2061.0902	
3" x 3/4"	021.2061.0903	
3" x 1"	021.2061.0904	
3" x 1 1/4"	021.2061.0905	
3" x 1 1/2"	021.2061.0906	
3" x 2"	021.2061.0907	
4" x 1/2"	021.2061.1002	
4" x 3/4"	021.2061.1003	
4" x 1"	021.2061.1004	
4" x 1 1/4"	021.2061.1005	
4" x 1 1/2"	021.2061.1006	
4" x 2"	021.2061.1007	
4" x 3"	021.2061.1009	
6" x 1/2"	021.2061.1202	
6" x 3/4"	021.2061.1203	
6" x 1"	021.2061.1204	
6" x 1 1/4"	021.2061.1205	
6" x 1 1/2"	021.2061.1206	
6" x 2"	021.2061.1207	
6" x 3"	021.2061.1209	
6" x 4"	021.2061.1210	
8" x 1/2"	021.2061.1302	
8" x 3/4"	021.2061.1303	
8" x 1"	021.2061.1304	
8" x 1 1/4"	021.2061.1305	
8" x 1 1/2"	021.2061.1306	
8" x 2"	021.2061.1307	
8" x 3"	021.2061.1309	
8" x 4"	021.2061.1310	
8" x 6"	021.2061.1312	
10" x 4"	021.2061.1410	
10" x 6"	021.2061.1412	

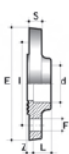
PVC-U INCH

FULL FACE FLANGE - BS4504 NP10/16



d	PART NO	PRICE	L	Z	I	S	E	HOLES	Bolt Dia	Wt (g)
1/2"	021.141.02Z		16	4.5	65	11	95	4	M12	78
3/4"	021.141.03Z		19	4.5	75	12	105	4	M12	105
1"	021.141.04Z		22	4.5	85	14	115	4	M12	143
1 1/4"	021.141.05Z		26	4.5	100	15	142	4	M16	220
1 1/2"	021.141.06Z		31	4.5	110	16	152	4	M16	280
2"	021.141.07Z		38	4.5	125	18	165	4	M16	380
2 1/2"	021.141.08Z		44	6	145	19	185	4	M16	505
3"	021.141.09Z		51	7	160	20	200	8	M16	685
4"	021.141.10Z		61	8	180	22	220	8	M16	940

FULL FACE FLANGE - BS10 TABLES D & E



d	PART NO	PRICE	L	Z	I	S	E	HOLES	Bolt Dia	Wt (g)
1/2"	021.141.02W		16	4.5	67	11	95	4	M12	78
3/4"	021.141.03W		19	4.5	73	12	105	4	M12	105
1"	021.141.04W		22	4.5	83	14	115	4	M12	143
1 1/4"	021.141.05W		26	4.5	88	15	142	4	M12	220
1 1/2"	021.141.06W		31	4.5	98	16	152	4	M12	280
2"	021.141.07W		38	4.5	115	18	165	4	M16	380
2 1/2"	021.141.08W		44	6	127	19	185	4	M16	505
3"	021.141.09W		51	7	146	20	200	4	M16	685
4"	021.141.10W		61	8	178	22	220	8	M16	940

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN

BLANK FLANGE - BS4504 NP10/16



SIZE	PART NO	PRICE	E	I	F	HOLES	Bolt Dia	Wt (g)			
1/2"	021.161.02Z		95	65	14	4	M12	75			
3/4"	021.161.03Z		105	75	14	4	M12	100			
1"	021.161.04Z		115	85	14	4	M12	137			
1 1/4"	021.161.05Z		142	100	18	4	M16	225			
1 1/2"	021.161.06Z		152	110	18	4	M16	280			
2"	021.161.07Z		165	125	18	4	M16	355			
2 1/2"	021.161.08Z		185	145	18	4	M16	488			
3"	021.161.09Z		200	160	18	8	M16	640			
4"	021.161.10Z		220	180	18	8	M16	825			
6"	021.161.12Z		283	240	22	8	M20	1589			

BLANK FLANGE - BS10 TABLES D & E



SIZE	PART NO	PRICE	E	I	F	HOLES	Bolt Dia	Wt (g)			
1/2"•	021.161.02W		95	67	14	4	M12	75			
3/4"•	021.161.03W		105	73	14	4	M12	100			
1"•	021.161.04W		115	83	14	4	M12	137			
1 1/4"•	021.161.05W		142	88	14	4	M12	225			
1 1/2"•	021.161.06W		152	98	14	4	M12	280			
2"•	021.161.07W		165	115	18	4	M16	355			
3"•	021.161.09W		200	146	18	4	M16	640			
4" D•	021.161.10V		220	178	18	4	M16	825			
4" E•	021.161.10W		220	178	18	8	M16	825			
6"•	021.161.12W		283	235	22	8	M20	1589			

BLANK FLANGE - ASA 150

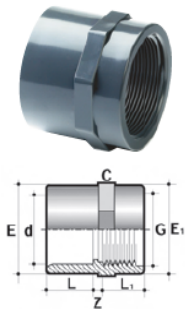


SIZE	PART NO	PRICE	E	I	F	HOLES	Bolt Dia	Wt (g)			
1/2"•	021.161.02X		95	60	14	4	M12	75			
3/4"•	021.161.03X		105	70	14	4	M12	100			
1"•	021.161.04X		115	79	14	4	M12	137			
1 1/4"•	021.161.05X		142	89	14	4	M12	225			
1 1/2"•	021.161.06X		152	98	14	4	M12	280			
2"•	021.161.07X		165	121	18	4	M16	355			
3"•	021.161.09X		200	152	18	4	M16	640			
4"•	021.161.10X		220	190	18	8	M16	825			
6"•	021.161.12X		283	241	22	8	M20	1589			

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN/THREADED (BSP)

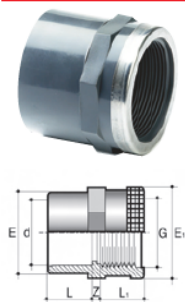
SOCKET



d	PART NO	PRICE	L	L ₁	Z	E	E ₁	C	Wt (g)			
1/2"	021.012.02		16	15	4	28	28	30	15			
3/4"	021.012.03		19	16.3	4	34	34	34	22			
1"	021.012.04		22	19.1	5	42	42	42	33			
1 1/4"	021.012.05		26	21.4	5	50	50	55	63			
1 1/2"	021.012.06		31	21.4	5	61	61	65	100			
2"	021.012.07		38	25.7	5	75	75	75	158			
2 1/2"	023.012.07508K		44	30.2	5	89	89	90	215			
3"	021.012.09		51	33.3	8	106	106	110	347			
4"	021.012.10		61	39.3	8	129	129	129	508			

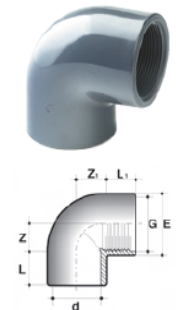
PVC-U INCH

SOCKET – S/S REINFORCED



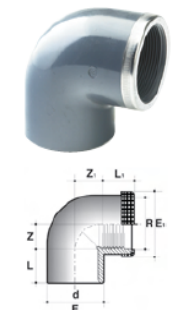
d	PART NO	PRICE	L	L ₁	Z	E	E ₁	Wt (g)				
1/2"	021.342.02		16	15	4	28	29	20				
3/4"	021.342.03		19	16.3	6	34	35	30				
1"	021.342.04		22	19.1	6	42	43	45				
1 1/4"	021.342.05		26	21.4	8	50.5	51.5	75				
1 1/2"	021.342.06		31	21.4	13	61	62	120				
2"	021.342.07		38	25.7	15	75	76	195				

90° ELBOW



d	PART NO	PRICE	L	L ₁	Z	Z ₁	E	Wt (g)				
1/2"	021.032.02		16	15	11	12	26.5	15				
3/4"	021.032.03		19	16.3	14	16	32.5	27				
1"	021.032.04		22	19.1	17	19.7	41	48				
1 1/4"	021.032.05		26	21.4	23	24.9	50	72				
1 1/2"	021.032.06		31	21.4	28	30.6	60	162				
2"	021.032.07		38	25.7	34	37.6	75	310				
2 1/2"	023.032.07508K		44	30.2	40	46.3	89	410				
3"	021.032.09		51	33.3	48	53.8	106	715				
4"	021.032.10		61	39.3	58	65.7	129	1078				

90° ELBOW – S/S REINFORCED



d	PART NO	PRICE	L	L ₁	Z	Z ₁	E	E ₁	Wt (g)			
1/2"	021.352.02		16	15	11	12	26.5	27.5	23			
3/4"	021.352.03		19	16.3	14	16.7	32.5	33.5	39			
1"	021.352.04		22	19.1	17	19.9	41	42	65			
1 1/4"	021.352.05		26	21.4	21	25.6	50	51	95			
1 1/2"	021.352.06		31	21.4	26	35.6	60	61	180			
2"	021.352.07		38	25.7	33	45.3	75	76	320			

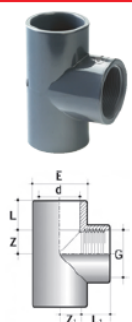
PVC-U PRESSURE FITTINGS PLAIN/THREADED (BSP)

45° ELBOW



d	PART NO	PRICE	L	L ₁	Z	Z ₁	E	Wt (g)			
1/2"	021.042.02		16	15	5.5	6.5	28	15			
3/4"	021.042.03		19	16.3	6	8.7	34	25			
1"	021.042.04		22	19.1	8	10.9	42	41			
1 1/4"	021.042.05		26	21.4	10	14.6	51	69			
1 1/2"	021.042.06		31	21.4	12	21.6	61	125			
2"	021.042.07		38	25.7	15	27.3	75	235			
2 1/2"	023.042.07508K		44	30.2	18	31.8	89	355			
3"	021.042.09		51	33.3	21	38.7	106	535			
4"	021.042.10		61	39.3	25	46.7	129	1000			

EQUAL TEE



d	PART NO	PRICE	L	L ₁	Z	Z ₁	E	Wt (g)			
1/2"	021.062.02		16	15	11	12	27.5	25			
3/4"	021.062.03		19	16.3	14	16	33.5	38			
1"	021.062.04		22	19.1	17	19.7	42	69			
1 1/4"	021.062.05		26	21.4	23	19.9	51	106			
1 1/2"	021.062.06		31	21.4	28	24	61	213			
2"	021.062.07		38	25.7	34	30	75	380			
2 1/2"	023.062.07508K		44	30.2	40	38	89	505			
3"	021.062.09		51	33.3	48	44	106	882			
4"	021.062.10		61	39.3	58	57	129	1455			

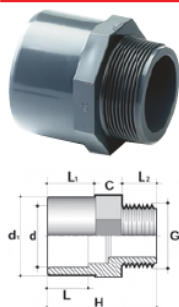
EQUAL TEE - S/S REINFORCED



d	PART NO	PRICE	L	L ₁	Z	Z ₁	E	E ₁	Wt (g)			
1/2"	021.362.02		16	15	11	12	27.5	28.5	32			
3/4"	021.362.03		19	16.3	14	16.7	33.5	34.5	50			
1"	021.362.04		22	19.1	17	19.9	42	43	81			
1 1/4"	021.362.05		26	21.4	21	25.6	51	52	127			
1 1/2"	021.362.06		31	21.4	26	35.6	61	62	230			
2"	021.362.07		38	25.7	33	45.3	75	76	390			

PVC-U PRESSURE FITTINGS PLAIN/THREADED (BSP)

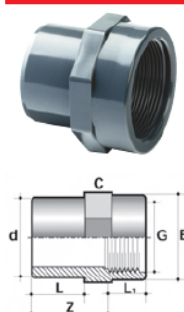
ADAPTOR - FEMALE PLAIN/MALE PLAIN/MALE THREADED



d x d ₁ x G	PART NO	PRICE	d ₁	L	L ₁	L ₂	H	C	Wt (g)			
1/2" x 3/4" x 1/2"	021.202.02		3/4"	16	19	15	46	27	15			
1/2" x 3/4" x 3/4"	021.202.0203		3/4"	16	19	16.3	47	30	16			
3/4" x 1" x 3/4"	021.202.03		1"	19	22	16.3	50	36	27			
3/4" x 1" x 1"	021.202.0304		1"	19	22	19.1	53	36	29			
1" x 1 1/4" x 1"	021.202.04		1 1/4"	22	26	19.1	57	42	43			
1" x 1 1/4" x 1 1/4"	021.202.0405		1 1/4"	22	26	21.4	60	46	52			
1 1/4" x 1 1/2" x 1 1/4"	021.202.05		1 1/2"	26	31	21.4	66.5	55	61			
1 1/4" x 1 1/2" x 1 1/2"	021.202.0506		1 1/2"	26	31	21.4	66.5	55	64			
1 1/2" x 2" x 1 1/2"	021.202.06		2"	31	38	21.4	74	65	110			
1 1/2" x 2" x 2"	021.202.0607		2"	31	38	25.7	78	65	124			
2" x 2 1/2" x 2"	021.202.07		2 1/2"	38	44	25.7	84	75	152			
2" x 2 1/2" x 2 1/2"	021.202.0708		2 1/2"	38	44	30.2	91	80	180			
2 1/2" x 3" x 2 1/2"	021.202.08		3"	44	51	30.2	99	95	260			
2 1/2" x 3" x 3"	021.202.0809		3"	44	51	33.3	102	95	275			
3" x 4" x 3"	021.202.09		4"	53	61	33.3	113	119	578			
3" x 4" x 4"	021.202.0910		4"	51	61	39.3	118	115	584			
4" x 5" x 4"	021.202.10		5"	61	69	39.3	120	130	426			
4" x 5" x 5"	021.202.1011		5"	61	64	43.6	124	140	526			

PVC-U INCH

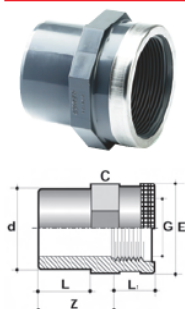
ADAPTOR - MALE PLAIN/FEMALE THREADED



d x G	PART NO	PRICE	L	L ₁	E	Z	C	Wt (g)				
1/2" x 1/2"	021.212.02		16	15	28	24	30	23				
1/2" x 3/4"	021.212.0203		16	16.3	34	24	36	28				
3/4" x 1/2"	021.212.0302		19	15	28	27	30	23				
3/4" x 3/4"	021.212.03		19	16.3	34	27	36	28				
3/4" x 1"	021.212.0304		19	19.1	42	27	46	43				
1" x 3/4"	021.212.0403		22	16.3	34	30	36	36				
1" x 1"	021.212.04		22	19.1	42	30	46	46				
1 1/4" x 1"	021.212.0504		26	19.1	42	36	46	55				
1 1/4" x 1 1/4"	021.212.05		26	21.4	51	36	55	70				
1 1/2" x 1 1/4"	021.212.0605		31	21.4	51	41	55	75				
1 1/2" x 1 1/2"	021.212.06		31	21.4	58	41	60	75				
1 1/2" x 2"	021.212.0607		31	25.7	75	41	75	120				
2" x 1 1/2"	021.212.0706		38	21.4	60	49	65	130				
2" x 2"	021.212.07		38	25.7	75	48	75	130				
2 1/2" x 2"	021.212.0807		44	25.7	75	53	75	150				
2 1/2" x 2 1/2"	023.212.07508K		44	30.2	89	58	90	225				
2 1/2" x 3"	021.212.0809		44	33.3	103	58	105	310				
3" x 2 1/2"	021.212.0908		51	30.2	89	65	95	300				
3" x 3"	021.212.09		51	33.3	103	66	105	330				
3" x 4"	021.212.0910		51	39.3	130	65	130	490				
4" x 3"	021.212.1009		61	33.3	103	76	130	460				
4" x 4"	021.212.10		61	39.3	130	76	130	510				

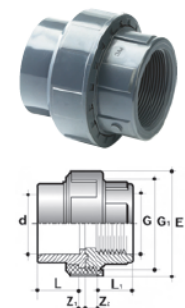
PVC-U PRESSURE FITTINGS PLAIN/THREADED (BSP)

ADAPTOR - S/S REINFORCED - MALE PLAIN/FEMALE THREADED



d x G	PART NO	PRICE	L	L ₁	E	Z	C	Wt (g)				
1/2" x 1/2"	021.372.02		16	15	29	24	30	23				
3/4" x 1/2"	021.372.0302		19	15	29	27	30	23				
3/4" x 3/4"	021.372.03		19	16.3	35	27	36	30				
1" x 3/4"	021.372.0403		22	16.3	35	30	36	36				
1" x 1"	021.372.04		22	19.1	43	30	46	49				
1 1/4" x 1"	021.372.0504		26	19.1	43	36	46	65				
1 1/4" x 1 1/4"	021.372.05		26	21.4	51.5	36	55	81				
1 1/2" x 1 1/4"	021.372.0605		31	21.4	51.5	41	55	77				
1 1/2" x 1 1/2"	021.372.06		31	21.4	61	41	60	85				
2" x 1 1/2"	021.372.0706		38	21.4	61	48	75	130				
2" x 2"	021.372.07		38	25.7	76	48	75	140				

UNION

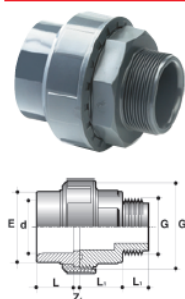


d	PART NO	PRICE	L	L ₁	Z ₁	Z ₂	G ₁	E	Wt (g)			
1/2"	021.022.02		16	15	3	11	1"	42	41			
3/4"	021.022.03		19	16.3	3	12.7	1 1/4"	52	68			
1"	021.022.04		22	19.1	3	12.9	1 1/2"	59	93			
1 1/4"	021.022.05		26	21.4	3	16.6	2"	72	145			
1 1/2"	021.022.06		31	21.4	3	23.6	2 1/4"	79	234			
2"	021.022.07		38	25.7	3	30.3	2 3/4"	96	390			
2 1/2"*	023.022.07508K		44	30.2	3	31.8	3 1/2"	119	625			
3"*	021.022.09		51	33.3	5	35.7	4"	134	820			
4"*	021.022.10		61	39.3	5	39.7	5"	163	1280			

* PN10 RATED

SPARE PARTS FOR UNIONS AVAILABLE SEE PAGE 82

UNION - MALE THREAD ONE END



d x G	PART NO	PRICE	L	L ₁	L ₂	Z ₁	C	G ₁	E	Wt (g)		
1 1/2" x 1 1/2"	021.592.06		31	21.4	40	3	65	2 1/4"	79	300		
1 1/2" x 2"	021.592.0607		31	25.7	40	3	65	2 1/4"	79	310		
2" x 2"	021.592.07		38	25.7	42	3	70	2 3/4"	96	430		

SPARE PARTS FOR UNIONS AVAILABLE SEE PAGE 82

HOSE ADAPTOR - MALE BSP X MM HOSE TAIL

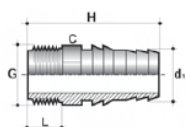


G x d	PART NO	PRICE	L	H	C	Wt (g)						
1/4" x 12	023.262M.00012		11	52	19	8						
3/8" x 16	023.262M.01016		11.4	64	19	15						
1/2" x 20	023.262M.02020		15	70	24	20						
3/4" x 25	023.262M.03025		16.3	76	30	30						
1" x 32	023.262M.04032		19.1	80	36	50						
1 1/4" x 40	023.262M.05040		21.4	92	46	70						
1 1/2" x 50	023.262M.06050		21.4	99	55	118						
2" x 60	023.262M.07060		25.7	118	65	190						

RANGE OF PP HOSE FITTINGS AVAILABLE SEE PAGE 308

PVC-U PRESSURE FITTINGS PLAIN/THREADED (BSP)

HOSE ADAPTOR - MALE BSP X INCH HOSE TAIL

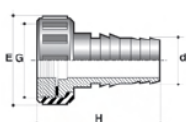
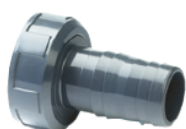


G x d ₁	PART NO	PRICE	H	C	L	G	d ₁	Wt (g)				
1/2" x 1/2"	021.262M.0202		61	6	13	26	13	10				
3/4" x 3/4"	021.262M.0303		62	18	17	28	20	19				
1" x 1"	021.262M.0404		78	21	21	40	25	37				

RANGE OF PP HOSE FITTINGS AVAILABLE SEE PAGE 308

PVC-U INCH

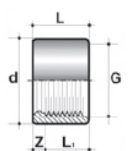
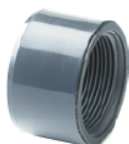
HOSE ADAPTOR - FEMALE BSP X MM HOSE TAIL



G x d	PART NO	PRICE	H	E	Wt (g)							
3/4" x 16	023.872.03016		54	34	23							
1" x 20	023.872.04020		59	42	32							
1 1/4" x 25	023.872.05025		63	52	49							
1 1/2" x 30	023.872.06030		68	59	68							
2" x 40	023.872.07040		77	72	110							
2 1/4" x 50	023.872.08050		80	79	145							
2 3/4" x 60	023.872.08060		84	96	220							

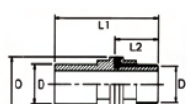
RANGE OF PP HOSE FITTINGS AVAILABLE SEE PAGE 308

REDUCING BUSH



d x G	PART NO	PRICE	L	L ₁	Z	Wt (g)						
3/8" x 1/4"	021.092.0100											
1/2" x 1/4"	021.092.0200											
1/2" x 3/8"	021.092.0201		16	13.5	2.5	4						
3/4" x 1/2"	021.092.0302		19	15	4	8						
1" x 3/4"	021.092.0403		22	16.3	5.7	12						
1 1/4" x 1"	021.092.0504		26	19.1	6.9	22						
1 1/2" x 1 1/4"	021.092.0605		31	21.4	9.6	45						
2" x 1 1/2"	021.092.0706		38	21.4	16.6	68						
2 1/2" x 2"	021.092.0807		44	25.7	18.3	96						
3" x 2 1/2"	021.092.0908		51	30.2	20.8	152						
4" x 3"	021.092.1009		61	33.3	27.7	282						

TANK CONNECTOR



D	PART NO	PRICE	L ₁	L ₂	O	Wt (g)						
1/2"	021.242.02		77	42	38	41						
3/4"	021.242.03		77	42	42	52						
1"	021.242.04		103	55	55	108						
1 1/4"	021.242.05		121	70	65	153						
1 1/2"	021.242.06		128	73	72	216						
2"	021.242.07		154	82	93	370						
2 1/2"	021.242.08		164	94	106	471						
3"	021.242.09		202	110	125	768						
4"	021.242.10		230	140	154	1421						

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN/THREADED (BSP)

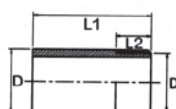
PP TANK CONNECTOR



D	PART NO	PRICE	D	E	H	P	L	H ₁	Wt (g)				
1 1/2"	031.242.06		48	80	90	37	56	25	125				

PVC-U INCH

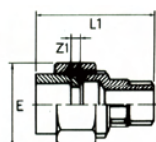
NIPPLE*



D	PART NO	PRICE	L2	L1	Wt (g)								
3/8"	021.252.01		13	42	8								
1/2"	021.252.02		17	50	14								
3/4"	021.252.03		16	56	25								
1"	021.252.04		20	63	38								
1 1/4"	021.252.05		24	75	52								
1 1/2"	021.252.06		30	88	80								
2"	021.252.07		32	88	115								
2 1/2"	021.252.08		35	106	197								
3"	021.252.09		39	128	300								
4"	021.252.10		43	153	560								

* MACHINED FROM PIPE

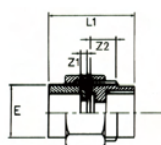
COMPOSITE UNION - MALE BRASS



SIZE	PART NO	PRICE	E	L1	Z1	Wt (g)							
1/2"	021.762.02		43	54	3	175							
3/4"	021.762.03		48	74	3	238							
1"	021.762.04		55	86	9	324							
1 1/4"	021.762.05		65	94	10	469							
1 1/2"	021.762.06		78	109	12	595							
2"	021.762.07		88	125	14	982							
2 1/2"	021.762.08		108	127	18	1663							
3"	021.762.09		124	138	18	2184							

PLEASE NOTE: FOR CONNECTING PLASTIC PIPEWORK SYSTEMS TO METAL PIPEWORK SYSTEMS COMPOSITE UNIONS AND/OR FLANGES MUST BE USED.

COMPOSITE UNION - FEMALE BRASS



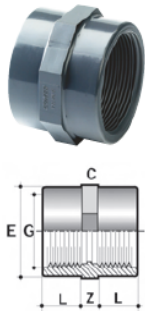
SIZE	PART NO	PRICE	E	L1	Z1	Z2	Wt (g)						
1/2"	021.752.02		43	43	3	9	165						
3/4"	021.752.03		48	52	3	10	290						
1"	021.752.04		55	53	9	11	310						
1 1/4"	021.752.05		65	61	10	11	450						
1 1/2"	021.752.06		78	76	12	12	490						
2"	021.752.07		88	90	11	14	950						
2 1/2"	021.752.08		108	95	14	4	1357						
3"	021.752.09		124	112	16	5	1663						

PLEASE NOTE: FOR CONNECTING PLASTIC PIPEWORK SYSTEMS TO METAL PIPEWORK SYSTEMS COMPOSITE UNIONS AND/OR FLANGES MUST BE USED.

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS THREADED (BSP)

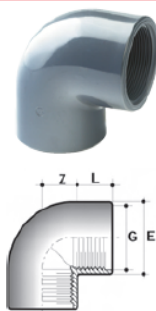
SOCKET



G	PART NO	PRICE	L	Z	E	C	Wt (g)					
3/8"	021.013.01		11.4	6	23.5	24	8					
1/2"	021.013.02		15	7	28	30	20					
3/4"	021.013.03		16.3	7	34	36	25					
1"	021.013.04		19.1	8	42	46	45					
1 1/4"	021.013.05		21.4	8	50.5	55	65					
1 1/2"	021.013.06		21.4	8	57.5	60	70					
2"	021.013.07		25.7	8	71.5	75	125					
2 1/2"	021.013.08		30.2	9	88	90	200					
3"	021.013.09		33.3	10	102	105	276					
4"	021.013.10		39.3	11	129	130	440					

PVC-U INCH

90° ELBOW



G	PART NO	PRICE	L	Z	E	Wt (g)						
3/8"	021.033.01		11.4	11.6	23.5	15						
1/2"	021.033.02		15	12	26.5	22						
3/4"	021.033.03		16.3	16.7	32.5	37						
1"	021.033.04		19.1	19.9	41	60						
1 1/4"	021.033.05		21.4	27.6	50	95						
1 1/2"	021.033.06		21.4	37.6	60	180						
2"	021.033.07		25.7	46.3	75	340						
2 1/2"	021.033.08		30.2	53.8	89	436						
3"	021.033.09		33.3	65.7	106	770						
4"	021.033.10		39.3	79.7	129	1020						

45° ELBOW



G	PART NO	PRICE	L	Z	E	Wt (g)						
3/8"	021.043.01		11.4	8.1	23.5	10						
1/2"	021.043.02		15	6.5	28	18						
3/4"	021.043.03		16.3	8.7	34	30						
1"	021.043.04		19.1	10.9	42	50						
1 1/4"	021.043.05		21.4	14.6	51	80						
1 1/2"	021.043.06		21.4	21.6	61	145						
2"	021.043.07		25.7	27.3	75	254						
2 1/2"	021.043.08		30.2	31.8	89	360						
3"	021.043.09		33.3	38.7	106	620						
4"	021.043.10		39.3	46.7	128	830						

EQUAL TEE



G	PART NO	PRICE	L	Z	E	Wt (g)						
3/8"	021.063.01		11.4	11.6	23.5	18						
1/2"	021.063.02		15	12	27	30						
3/4"	021.063.03		16.3	16.7	33.5	50						
1"	021.063.04		19.1	19.9	42	80						
1 1/4"	021.063.05		21.4	27.6	51	120						
1 1/2"	021.063.06		21.4	37.6	61	240						
2"	021.063.07		25.7	46.3	75	425						
2 1/2"	021.063.08		30.2	53.8	89	560						
3"	021.063.09		33.3	65.7	106	1000						
4"	021.063.10		39.3	79.7	129	1310						

PVC-U PRESSURE FITTINGS THREADED (BSP)

UNION

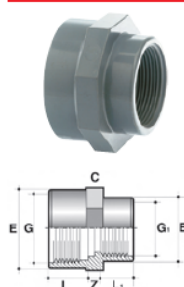


G	PART NO	PRICE	L	Z ₁	Z ₂	G ₁	E	Wt (g)				
3/8"	021.023.01		11.4	5.6	12.6	3/4"	67	32				
1/2"	021.023.02		15	4	11	1"	42	45				
3/4"	021.023.03		16.3	5.7	12.7	1 1/4"	52	72				
1"	021.023.04		19.1	5.9	12.9	1 1/2"	59	100				
1 1/4"	021.023.05		21.4	7.6	16.6	2"	72	160				
1 1/2"	021.023.06		21.4	12.6	23.6	2 1/4"	79	220				
2"	021.023.07		25.7	15.3	30.3	2 3/4"	96	400				
2 1/2"	021.023.08		30.2	16.8	31.8	3 1/2"	119	635				
3"	021.023.09		33.3	22.7	35.7	4"	134	850				
4"	021.023.10		39.3	26.7	39.7	5"	163	1260				

* PN10 RATED

SPARE PARTS FOR UNIONS AVAILABLE SEE PAGE 82

REDUCING SOCKET



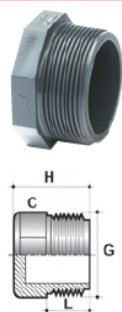
G x G ₁	PART NO	PRICE	L	L ₁	Z	C	E	E ₁	Wt (g)			
1/2" x 3/8"	021.313.0201		15	11.4	6	24	28	23	18			
3/4" x 1/2"	021.313.0302		16.3	15	7	30	34	28	24			
1" x 3/4"	021.313.0403		19.1	16.3	7	36	42	34	41			
1 1/4" x 1"	021.313.0504		21.4	19.1	8	46	51	42	62			
1 1/2" x 1 1/4"	021.313.0605		21.4	21.4	8	55	58	51	72			
2" x 1 1/2"	021.313.0706		25.7	21.4	8	60	72	58	116			
2 1/2" x 2"	021.313.0807		30.2	25.7	8	75	89	72	128			
3" x 2 1/2"	021.313.0908		33.3	30.2	9	105	103	89	287			
4" x 3"	021.313.1009		39.3	33.3	10	130	130	103	434			

CAP



d	PART NO	PRICE	L	H	E	Wt (g)						
3/8"	021.223.01		11.4	22	23	7						
1/2"	021.223.02		15	26	28	15						
3/4"	021.223.03		16.3	28	34	23						
1"	021.223.04		19.1	32	42	40						
1 1/4"	021.223.05		21.4	35	51	56						
1 1/2"	021.223.06		21.4	35	58	67						
2"	021.223.07		25.7	39	72	113						
2 1/2"	021.223.08		30.2	52	89	190						
3"	021.223.09		33.3	56	103	270						
4"	021.223.10		39.3	64	130	420						

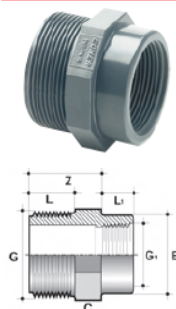
PLUG



G	PART NO	PRICE	L	H	C	Wt (g)						
3/8"	021.233.01		11.4	23	19	8						
1/2"	021.233.02		15	29	24	10						
3/4"	021.233.03		16.3	30	30	15						
1"	021.233.04		19.1	33	36	25						
1 1/4"	021.233.05		21.4	39	46	40						
1 1/2"	021.233.06		21.4	39	55	45						
2"	021.233.07		25.7	43	65	80						
2 1/2"	021.233.08		30.2	53	80	137						
3"	021.233.09		33.3	58	95	210						
4"	021.233.10		39.3	65	120	330						

PVC-U PRESSURE FITTINGS THREADED (BSP)

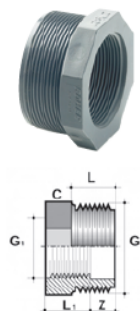
REDUCING BUSH - LONG PATTERN



G x G ₁	PART NO	PRICE	L	L ₁	Z	C	E	Wt (g)				
1/2" x 3/8"	021.303.0201		15	11.4	24	24	23	12				
3/4" x 3/8"	021.303.0301		16.3	11.4	25	30	23	16				
3/4" x 1/2"	021.303.0302		16.3	15	26	30	28	20				
1" x 3/8"	021.303.0401		19.1	11.4	28	36	23	25				
1" x 1/2"	021.303.0402		19.1	15	29	36	28	26				
1" x 3/4"	021.303.0403		19.1	16.3	30	36	34	26				
1 1/4" x 1/2"	021.303.0502		21.4	15	33	46	28	42				
1 1/4" x 3/4"	021.303.0503		21.4	16.3	34	46	34	43				
1 1/4" x 1"	021.303.0504		21.4	19.1	33	46	42	46				
1 1/2" x 3/4"	021.303.0603		21.4	16.3	34	50	34	60				
1 1/2" x 1"	021.303.0604		21.4	19.1	34	50	42	55				
1 1/2" x 1 1/4"	021.303.0605		21.4	21.4	34	55	51	60				
2" x 1"	021.303.0704		25.7	19.1	37	65	42	97				
2" x 1 1/4"	021.303.0705		25.7	21.4	37	65	51	94				
2" x 1 1/2"	021.303.0706		25.7	21.4	37	65	58	96				
2 1/2" x 1 1/4"	021.303.0805		30.2	21.4	43	80	51	140				
2 1/2" x 1 1/2"	021.303.0806		30.2	21.4	43	80	58	138				
2 1/2" x 2"	021.303.0807		30.2	25.7	43	80	72	142				
3" x 1 1/2"	021.303.0906		33.3	21.4	47	95	58	200				
3" x 2"	021.303.0907		33.3	25.7	47	95	72	210				
3" x 2 1/2"	021.303.0908		33.3	30.2	47	95	89	215				
4" x 2"	021.303.1007		39.3	25.7	53	120	72	325				
4" x 2 1/2"	021.303.1008		39.3	30.2	53	120	89	330				
4" x 3"	021.303.1009		39.3	33.3	53	120	103	350				

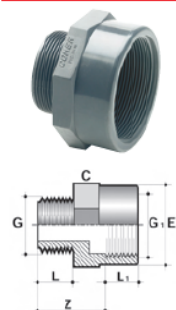
PVC-U INCH

REDUCING BUSH - SHORT PATTERN



G x G ₁	PART NO	PRICE	L	L ₁	Z	C	Wt (g)				
3/4" x 1/2"	021.093.0302		16.3	15	13.3	30	13				
1" x 3/4"	021.093.0403		19.1	16.3	14.8	36	20				
1 1/4" x 1"	021.093.0504		21.4	19.1	16.3	46	35				
1 1/2" x 1 1/4"	021.093.0605		21.4	21.4	14	50	37				
2" x 1 1/2"	021.093.0706		25.7	21.4	18.3	65	72				
2 1/2" x 2"	021.093.0807		30.2	25.7	20.5	80	135				
3" x 2 1/2"	021.093.0908		33.3	30.2	20.1	95	160				
4" x 3"	021.093.1009		39.3	33.3	24	120	360				

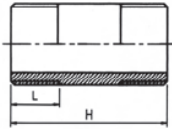
REDUCING PIECE - MALE/FEMALE



G x G ₁	PART NO	PRICE	L	L ₁	Z	C	E	Wt (g)				
3/8" x 1/2"	021.293.0201		11.4	15	22	30	28	10				
1/2" x 3/4"	021.293.0302		15	16.3	24	36	34	17				
3/4" x 1"	021.293.0403		16.3	19.1	26	46	42	25				
1" x 1 1/4"	021.293.0504		19.1	21.4	30	55	51	42				
1 1/4" x 1 1/2"	021.293.0605		21.4	21.4	33	60	58	48				
1 1/2" x 2"	021.293.0706		21.4	25.7	34	75	72	80				
2" x 2 1/2"	021.293.0807		25.7	30.2	38	90	89	138				
2 1/2" x 3"	021.293.0908		30.2	33.3	44	105	103	208				
3" x 4"	021.293.1009		33.3	39.3	48	130	130	340				

PVC-U PRESSURE FITTINGS THREADED (BSP)

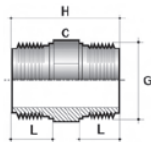
NIPPLE*



SIZE	PART NO	PRICE	L	H	Wt (g)							
1/4"•	021.253.00											
3/8"•	021.253.01		12	43	11							
1/2"•	021.253.02		13	50	13							
3/4"•	021.253.03		14	56	20							
1"•	021.253.04		17	63	30							
1 1/4"•	021.253.05		19	75	51							
1 1/2"•	021.253.06		19	88	83							
2"•	021.253.07		23	88	119							
2 1/2"•	021.253.08		30	106	169							
3"•	021.253.09		30	128	243							
4"•	021.253.10		36	153	485							

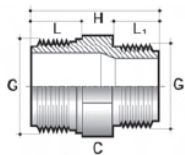
* MACHINED FROM PIPE

HEXAGON NIPPLE



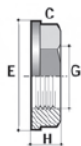
G	PART NO	PRICE	L	H	C	Wt (g)						
3/8"	021.273.01		11.4	31.7	8.9	6						
1/2"	021.273.02		15	42	12	11						
3/4"	021.273.03		16.3	44	11.4	18						
1"	021.273.04		19.1	50	11.8	28						
1 1/4"	021.273.05		21.4	58	15.2	47						
1 1/2"	021.273.06		21.4	58	15.2	61						
2"	021.273.07		25.7	66	14.6	98						
2 1/2"	021.273.08		30.2	78	17.6	144						
3"	021.273.09		33.3	85	18.4	230						
4"	021.273.10		39.3	96	17.4	345						

REDUCING NIPPLE



G x G ₁	PART NO	PRICE	L	L ₁	H	C	Wt (g)					
1/2" x 3/8"	021.283.0201		15	11.4	38	24	10					
3/4" x 1/2"	021.283.0302		16.3	15	43	30	17					
1" x 3/4"	021.283.0403		19.1	16.3	47	36	25					
1 1/4" x 1"	021.283.0504		21.4	19.1	56	46	42					
1 1/2" x 1 1/4"	021.283.0605		21.4	21.4	58	50	48					
2" x 1 1/2"	021.283.0706		25.7	21.4	62	65	80					
2 1/2" x 2"	021.283.0807		30.2	25.7	73	80	138					
3" x 2 1/2"	021.283.0908		33.3	30.2	82	95	208					
4" x 3"	021.283.1009		39.3	33.3	90	120	340					

BACKNUT

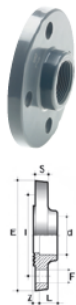


G	PART NO	PRICE	E	H	C	Wt (g)						
3/8"	021.323.01		34	12	24	8						
1/2"	021.323.02		38	13	29	13						
3/4"	021.323.03		43	14	34	16						
1"	021.323.04		56	16	46	30						
1 1/4"	021.323.05		65	18	50	35						
1 1/2"	021.323.06		72	19	60	45						
2"	021.323.07		94	21	80	90						
2 1/2"	021.323.08		115	24	94	180						
3"	021.323.09		130	27	108	230						
4"	021.323.10		162	30	135	340						

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS THREADED (BSP)

FULL FACE FLANGE - BS4504 NP10/16*



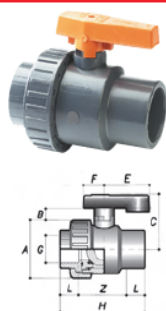
d	PART NO	PRICE	L	Z	I	E	S	Holes	Bolt Dia	Wt (g)
1/2"	021.143.02Z		16	4.5	65	95	11	4	M12	78
3/4"	021.143.03Z		19	4.5	75	105	12	4	M12	105
1"	021.143.04Z		22	4.5	85	115	14	4	M12	143
1 1/4"	021.143.05Z		26	4.5	100	142	15	4	M16	220
1 1/2"	021.143.06Z		31	4.5	110	152	16	4	M16	280
2"	021.143.07Z		38	4.5	125	165	18	4	M16	380
2 1/2"	021.143.08Z		44	6	145	185	19	4	M16	505
3"	021.143.09Z		51	7	160	200	20	8	M16	685
4"	021.143.10Z		61	8	180	220	22	8	M16	940

* MAY BE SUBJECT TO MINIMUM ORDER QUANTITIES AND/OR LEAD TIMES. PLEASE CONTACT SALES DEPT FOR DETAILS.

PVC-U INCH

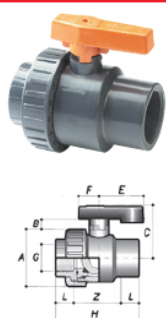
PVC-U MANUAL VALVES

PVC-U INCH



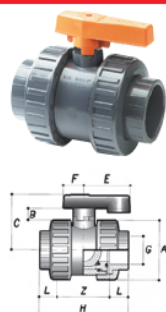
STANDARD BALL VALVE - SINGLE UNION - PTFE SEAT - EPDM SEALS - PLAIN ENDS

G	PART NO	PRICE	L	Z	H	A	B	C	E	F	PN	Wt (g)
3/8"	021.82S1.01Q		14	47	75	50	10	48	39	19	15	100
1/2"	021.82S1.02Q		16	46	78	50	10	48	39	19	15	110
3/4"	021.82S1.03Q		19	52	90	60	11	54	47	22	15	170
1"	021.82S1.04Q		22	59	103	68	13	62	55	25	15	250
1 1/4"	021.82S1.05Q		26	68	120	80	18	75	60	30	15	370
1 1/2"	021.82S1.06Q		31	75	137	96	20	87	68	35	15	560
2"	021.82S1.07Q		38	92	168	116	20	101	80	40	15	980
2 1/2"	022.82S1.075Q		44	124	212	145	25	123	90	45	10	1825
3"	021.82S1.09Q		51	147	249	166	28	138	100	50	10	2900
4"	021.82S1.10Q		61	159	281	210	28	160	120	60	10	4790



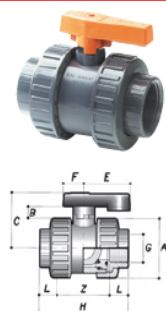
STANDARD BALL VALVE - SINGLE UNION - PTFE SEAT - EPDM SEALS - THREADED ENDS

G	PART NO	PRICE	L	Z	H	A	B	C	E	F	PN	Wt (g)
3/8"	021.82S3.01Q		14	47	75	50	10	48	39	19	15	100
1/2"	021.82S3.02Q		16	46	78	50	10	48	39	19	15	110
3/4"	021.82S3.03Q		19	52	90	60	11	54	47	22	15	170
1"	021.82S3.04Q		22	59	103	68	13	62	55	25	15	250
1 1/4"	021.82S3.05Q		26	68	120	80	18	75	60	30	15	370
1 1/2"	021.82S3.06Q		31	75	137	96	20	87	68	35	15	560
2"	021.82S3.07Q		38	92	168	116	20	101	80	40	15	980
2 1/2"	021.82S3.08Q		44	124	212	145	25	123	90	45	10	1825
3"	021.82S3.09Q		51	147	249	166	28	138	100	50	10	2900
4"	021.82S3.10Q		61	159	281	210	28	160	120	60	10	4790



STANDARD BALL VALVE - DOUBLE UNION - PTFE SEAT - EPDM SEALS - PLAIN ENDS

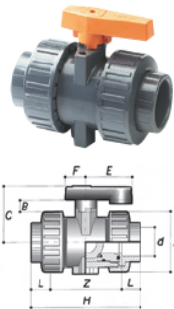
G	PART NO	PRICE	L	Z	H	A	B	C	E	F	PN	Wt (g)
3/8"	021.66S1.01Q		14	40	68	50	10	48	39	19	15	140
1/2"	021.66S1.02Q		16	40	72	50	10	48	39	19	15	130
3/4"	021.66S1.03Q		19	48	86	60	11	54	47	22	15	200
1"	021.66S1.04Q		22	54	98	68	13	62	55	25	15	295
1 1/4"	021.66S1.05Q		26	62	114	80	18	75	60	30	15	440
1 1/2"	021.66S1.06Q		31	73	135	96	20	87	68	35	15	720
2"	021.66S1.07Q		38	85	161	116	20	101	80	40	15	1190
2 1/2"	022.66S1.075Q		44	115	203	145	25	123	90	45	10	2210
3"	021.66S1.09Q		51	129	231	166	28	138	100	50	10	3520
4"	021.66S1.10Q		61	149	271	210	28	160	120	60	10	5790



STANDARD BALL VALVE - DOUBLE UNION - PTFE SEAT - EPDM SEALS - THREADED ENDS

G	PART NO	PRICE	L	Z	H	A	B	C	E	F	PN	Wt (g)
3/8"	021.66S3.01Q		14	40	68	50	10	48	39	19	15	140
1/2"	021.66S3.02Q		16	40	72	50	10	48	39	19	15	130
3/4"	021.66S3.03Q		19	48	86	60	11	54	47	22	15	200
1"	021.66S3.04Q		22	54	98	68	13	62	55	25	15	295
1 1/4"	021.66S3.05Q		26	62	114	80	18	75	60	30	15	440
1 1/2"	021.66S3.06Q		31	73	135	96	20	87	68	35	15	720
2"	021.66S3.07Q		38	85	161	116	20	101	80	40	15	1190
2 1/2"	021.66S3.08Q		44	115	203	145	25	123	90	45	10	2210
3"	021.66S3.09Q		51	129	231	166	28	138	100	50	10	3520
4"	021.66S3.10Q		61	149	271	210	28	160	120	60	10	5790

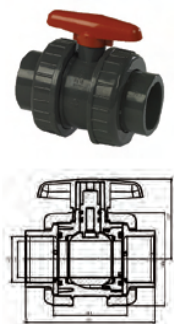
INDUSTRIAL BALL VALVE - DOUBLE UNION - PTFE SEAT - EDPM SEALS - PLAIN ENDS



d	PART NO	PRICE	L	Z	H	A	B	C	E	F	PN	Wt (g)
3/8"	021.6611.01Q		14	62	90	50	10	48	39	19	15	180
1/2"	021.6611.02Q		16	62	94	50	10	48	39	19	15	170
3/4"	021.6611.03Q		19	74	112	60	11	54	47	22	15	265
1"	021.6611.04Q		22	77	121	68	13	62	55	25	15	370
1 1/4"	021.6611.05Q		26	87	139	80	18	75	60	30	15	545
1 1/2"	021.6611.06Q		31	93	155	96	20	87	68	35	15	885
2"	021.6611.07Q		38	113	189	116	20	101	80	40	15	1440
2 1/2"	022.6611.075Q		44	116	204	145	25	123	90	45	10	2300
3"	021.6611.09Q		51	130	232	166	28	138	100	50	10	3655
4"	021.6611.10Q		61	150	272	210	28	160	120	60	10	6000

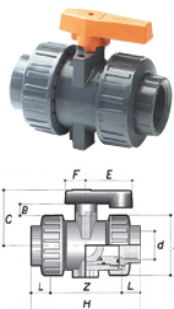
PVC-U INCH

INDUSTRIAL BALL VALVE - DOUBLE UNION - TEFLON FILLED PE SEAT - EDPM SEALS - PLAIN ENDS



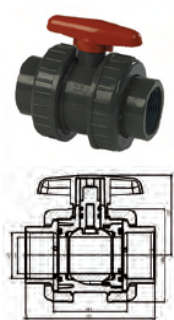
d1	PART NO	PRICE	d2	d3	Z1	Z2	C	TYPE	PN	Wt (g)	Wt (kg)
1/2"	021.6611.02Q-V		59	15	50	50	84	A	16	170	
3/4"	021.6611.03Q-V		64	20	53	55	93	A	16	210	
1"	021.6611.04Q-V		73	25	62	65	108	A	16	310	
1 1/4"	021.6611.05Q-V		86	32	66	75	122	A	16	480	
1 1/2"	021.6611.06Q-V		102	40	88	90	148	A	16	860	
2"	021.6611.07Q-V		124	50	103	103	175	A	16	1450	
2 1/2"	022.6611.075Q-V		151	63	128	123	216	B	10	2630	
3"	021.6611.09Q-V		178.5	75	154	143	256	B	10	4310	
4"	021.6611.10Q-V		215.5	90	178	161	306	B	10	7600	

INDUSTRIAL BALL VALVE - DOUBLE UNION - PTFE SEAT - EDPM SEALS - THREADED ENDS



d	PART NO	PRICE	L	Z	H	A	B	C	E	F	PN	Wt (g)
3/8"	021.6613.01Q		14	62	90	50	10	48	39	19	15	180
1/2"	021.6613.02Q		16	62	94	50	10	48	39	19	15	170
3/4"	021.6613.03Q		19	74	112	60	11	54	47	22	15	265
1"	021.6613.04Q		22	77	121	68	13	62	55	25	15	370
1 1/4"	021.6613.05Q		26	87	139	80	18	75	60	30	15	545
1 1/2"	021.6613.06Q		31	93	155	96	20	87	68	35	15	885
2"	021.6613.07Q		38	113	189	116	20	101	80	40	15	1440
2 1/2"	021.6613.08Q		44	116	204	145	25	123	90	45	10	2300
3"	021.6613.09Q		51	130	232	166	28	138	100	50	10	3655
4"	021.6613.10Q		61	150	272	210	28	160	120	60	10	6000

INDUSTRIAL BALL VALVE - DOUBLE UNION - TEFLON FILLED PE SEAT - EDPM SEALS - THREADED ENDS



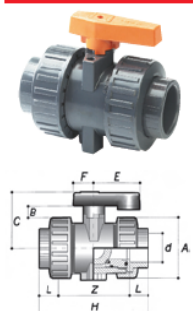
d1	PART NO	PRICE	d2	d3	Z1	Z2	C	TYPE	PN	Wt (g)	Wt (kg)
1/2"	021.6613.02Q-V		59	15	50	50	84	A	16	170	
3/4"	021.6613.03Q-V		64	20	53	55	93	A	16	210	
1"	021.6613.04Q-V		73	25	62	65	108	A	16	310	
1 1/4"	021.6613.05Q-V		86	32	66	75	122	A	16	480	
1 1/2"	021.6613.06Q-V		102	40	88	90	148	A	16	860	
2"	021.6613.07Q-V		124	50	103	103	175	A	16	1450	
2 1/2"	021.6613.08Q-V		151	63	128	123	216	B	10	2630	
3"	021.6613.09Q-V		178.5	75	154	143	256	B	10	4310	
4"	021.6613.10Q-V		215.5	90	178	161	306	B	10	7600	

ELECTRICALLY AND PNEUMATICALLY ACTUATED BALL VALVES ALSO AVAILABLE - SEE PAGES 73-78

• NON COMER PRODUCT

PVC-U MANUAL VALVES

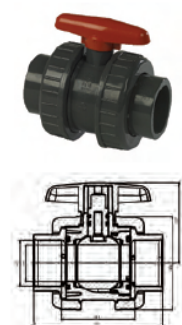
PVC-U INCH



INDUSTRIAL BALL VALVE - DOUBLE UNION - PTFE SEAT - FPM SEALS - PLAIN ENDS

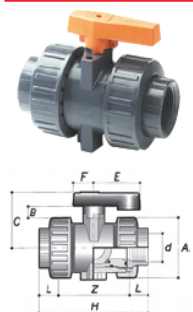
d	PART NO	PRICE	L	Z	H	A	B	C	E	F	PN	Wt (g)
3/8"	021.6611.01R		14	62	90	50	10	48	39	19	15	180
1/2"	021.6611.02R		16	62	94	50	10	48	39	19	15	170
3/4"	021.6611.03R		19	74	112	60	11	54	47	22	15	265
1"	021.6611.04R		22	77	121	68	13	62	55	25	15	370
1 1/4"	021.6611.05R		26	87	139	80	18	75	60	30	15	545
1 1/2"	021.6611.06R		31	93	155	96	20	87	68	35	15	885
2"	021.6611.07R		38	113	189	116	20	101	80	40	15	1440
2 1/2"	022.6611.075R		44	116	204	145	25	123	90	45	10	2300
3"	021.6611.09R		51	130	232	166	28	138	100	50	10	3655
4"	021.6611.10R		61	150	272	210	28	160	120	60	10	6000

INDUSTRIAL BALL VALVE - DOUBLE UNION - TEFLON FILLED PE SEAT - FPM SEALS - PLAIN ENDS



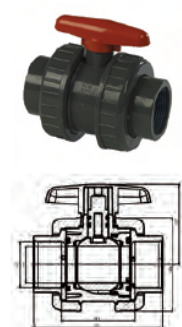
d1	PART NO	PRICE	d2	d3	Z1	Z2	C	TYPE	PN	Wt (g)		
1/2"•	021.6611.02R-V		59	15	50	50	84	A	16	170		
3/4"•	021.6611.03R-V		64	20	53	55	93	A	16	210		
1"•	021.6611.04R-V		73	25	62	65	108	A	16	310		
1 1/4"•	021.6611.05R-V		86	32	66	75	122	A	16	480		
1 1/2"•	021.6611.06R-V		102	40	88	90	148	A	16	860		
2"•	021.6611.07R-V		124	50	103	103	175	A	16	1450		
2 1/2"•	022.6611.075R-V		151	63	128	123	216	B	10	2630		
3"•	021.6611.09R-V		178.5	75	154	143	256	B	10	4310		
4"•	021.6611.10R-V		215.5	90	178	161	306	B	10	7600		

INDUSTRIAL BALL VALVE - DOUBLE UNION - PTFE SEAT - FPM SEALS - THREADED ENDS



d	PART NO	PRICE	L	Z	H	A	B	C	E	F	PN	Wt (g)
3/8"	021.6613.01R		14	62	90	50	10	48	39	19	15	180
1/2"	021.6613.02R		16	62	94	50	10	48	39	19	15	170
3/4"	021.6613.03R		19	74	112	60	11	54	47	22	15	265
1"	021.6613.04R		22	77	121	68	13	62	55	25	15	370
1 1/4"	021.6613.05R		26	87	139	80	18	75	60	30	15	545
1 1/2"	021.6613.06R		31	93	155	96	20	87	68	35	15	885
2"	021.6613.07R		38	113	189	116	20	101	80	40	15	1440
2 1/2"	021.6613.08R		44	116	204	145	25	123	90	45	10	2300
3"	021.6613.09R		51	130	232	166	28	138	100	50	10	3655
4"	021.6613.10R		61	150	272	210	28	160	120	60	10	6000

INDUSTRIAL BALL VALVE - DOUBLE UNION - TEFLON FILLED PE SEAT - FPM SEALS - THREADED ENDS



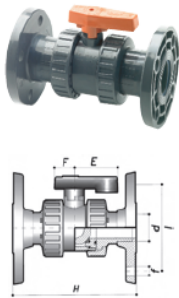
d1	PART NO	PRICE	d2	d3	Z1	Z2	C	TYPE	PN	Wt (g)		
1/2"•	021.6613.02R-V		59	15	50	50	84	A	16	170		
3/4"•	021.6613.03R-V		64	20	53	55	93	A	16	210		
1"•	021.6613.04R-V		73	25	62	65	108	A	16	310		
1 1/4"•	021.6613.05R-V		86	32	66	75	122	A	16	480		
1 1/2"•	021.6613.06R-V		102	40	88	90	148	A	16	860		
2"•	021.6613.07R-V		124	50	103	103	175	A	16	1450		
2 1/2"•	022.6613.075R-V		151	63	128	123	216	B	10	2630		
3"•	021.6613.09R-V		178.5	75	154	143	256	B	10	4310		
4"•	021.6613.10R-V		215.5	90	178	161	306	B	10	7600		

ELECTRICALLY AND PNEUMATICALLY ACTUATED BALL VALVES ALSO AVAILABLE - SEE PAGES 73-78

• NON COMER PRODUCT

PVC-U MANUAL VALVES

STANDARD BALL VALVE - DOUBLE FLANGED NP10/16 - PTFE SEAT - EPDM SEALS

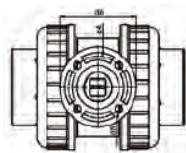
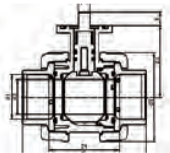


d	PART NO	PRICE	H	I	f	E	F	Wt (g)					
1/2"/20	023.6658.02Q		122	65	14	39	19	305					
3/4"/25	023.6658.03Q		142	75	14	47	22	430					
1"/32	023.6658.04Q		160	85	14	55	25	620					
1 1/4"/40	023.6658.05Q		185	100	18	60	30	920					
1 1/2"/50	023.6658.06Q		216	110	18	68	35	1350					
2"/63	023.6658.07Q		255	125	18	80	40	2050					
2 1/2"/75	023.6658.08Q		314	145	18	90	45	3390					
3"/90	023.6658.09Q		365	160	18	100	50	5160					
4"/110	023.6658.10Q		428	180	18	120	60	8140					

FPM SEALS AVAILABLE ON REQUEST

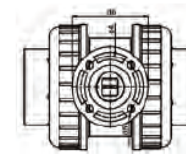
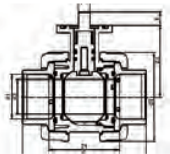
PVC-U INCH

INDUSTRIAL BALL VALVE ISO TOP - DOUBLE UNION - TEFLON FILLED PE SEAT - EPDM SEALS - PLAIN ENDS



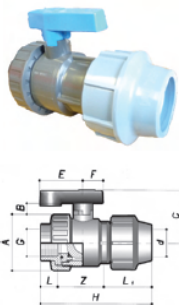
d	PART NO	PRICE	d1	d2	d3	d4	d5	d6	Z1	Z2	C	E	S	Wt (g)
1"	021.6611.04Q-ISO		32	73	25	42	5.5	54	63	60.5	108	11	11	
1 1/2"	021.6611.06Q-ISO		50	102	40	50	6.5	65	85.5	81.5	148	15	14	
2"	021.6611.07Q-ISO		63	124	50	50	6.5	65	101	93.5	178	15	14	

INDUSTRIAL BALL VALVE ISO TOP - DOUBLE UNION - TEFLON FILLED PE SEAT - FPM SEALS - PLAIN ENDS



d	PART NO	PRICE	d1	d2	d3	d4	d5	d6	Z1	Z2	C	E	S	Wt (g)
1"	021.6611.04R-ISO		32	73	25	42	5.5	54	63	60.5	108	11	11	
1 1/2"	021.6611.06R-ISO		50	102	40	50	6.5	65	85.5	81.5	148	15	14	
2"	021.6611.07R-ISO		63	124	50	50	6.5	65	101	93.5	178	15	14	

COMPRESSION BALL VALVE - SINGLE UNION/COMPRESSION - PTFE SEAT - EPDM SEALS - THREADED END- PN16



d	PART NO	PRICE	L	L1	Z	H	A	B	C	E	F	Wt (g)
1/2"x20	023.8259.02002Q		14	57	44	117	50	10	48	39	19	140
3/4"x25	023.8259.02503Q		16	58	52	129	60	11	54	47	22	230
1"x32	023.8259.03204Q		19	65	58	145	68	13	62	55	25	330
1 1/4"x40	023.8259.04005Q		22	85	66	179	80	18	75	60	30	510
1 1/2"x50	023.8259.05006Q		26	90	65	193	96	20	87	68	35	840
2"x63	023.8259.06307Q		31	109	92	249	116	20	101	80	40	1380

• NON COMER PRODUCT

PVC-U MANUAL VALVES

INDUSTRIAL DIAPHRAGM VALVE - HANDWHEEL OPERATED - EPDM DIAPHRAGM



NEW
DESIGN

SIZE	PART NO	PRICE	DIA.SIZE									
1/2"•	021.681.02Q		3/4"									
3/4"•	021.681.03Q		3/4"									
1"•	021.681.04Q		3/4"									
1 1/4"•	021.681.05Q		1"									
1 1/2"•	021.681.06Q		1 1/2"									
2"•	021.681.07Q		1 1/2"									
2 1/2"••	022.681.075Q		2"									
3"••	021.681.09Q		3"									
4"••	021.681.10Q		3"									

*SPIGOT ENDED

FPM DIAPHRAGM AVAILABLE - PRICES ON APPLICATION

PNEUMATICALLY ACTUATED DIAPHRAGM VALVE ALSO AVAILABLE - PRICES ON APPLICATION

INDUSTRIAL DIAPHRAGM VALVE - HANDWHEEL OPERATED - PTFE DIAPHRAGM



NEW
DESIGN

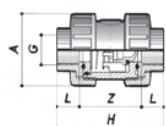
SIZE	PART NO	PRICE	DIA.SIZE									
1/2"•	021.681.02S		3/4"									
3/4"•	021.681.03S		3/4"									
1"•	021.681.04S		3/4"									
1 1/4"•	021.681.05S		1"									
1 1/2"•	021.681.06S		1 1/2"									
2"•	021.681.07S		1 1/2"									
2 1/2"••	022.681.075S		2"									
3"••	021.681.09S		3"									
4"••	021.681.10S		3"									

*SPIGOT ENDED

FPM DIAPHRAGM AVAILABLE - PRICES ON APPLICATION

PNEUMATICALLY ACTUATED DIAPHRAGM VALVE ALSO AVAILABLE - PRICES ON APPLICATION

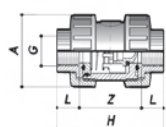
STANDARD SPRING CHECK NON RETURN VALVE - DOUBLE UNION - STAINLESS STEEL SPRING - EPDM SEALS - PLAIN ENDS



G	PART NO	PRICE	L	Z	H	A	Class	Wt (g)				
3/8"	021.671.01Q		14	48	76	50	E	120				
1/2"	021.671.02Q		16	48	80	50	E	110				
3/4"	021.671.03Q		19	53	91	60	E	168				
1"	021.671.04Q		22	58	102	68	E	246				
1 1/4"	021.671.05Q		26	68	120	80	E	360				
1 1/2"	021.671.06Q		31	78	140	96	E	595				
2"	021.671.07Q		38	93	169	116	E	970				
2 1/2"	022.671.075Q		44	126	214	145	C	1740				
3"	021.671.09Q		51	139	269	166	C	2810				
4"	021.671.10Q		61	159	290	210	C	4690				

DETAILS FOR CHECK VALVE WITH PTFE COATED STAINLESS STEEL SPRING ARE AVAILABLE ON REQUEST

STANDARD SPRING CHECK NON RETURN VALVE - DOUBLE UNION - STAINLESS STEEL SPRING - EPDM SEALS - THREADED ENDS

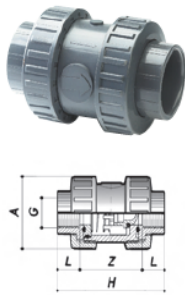


G	PART NO	PRICE	L	Z	H	A	Class	Wt (g)				
3/8"	021.673.01Q		14	48	76	50	E	120				
1/2"	021.673.02Q		16	48	80	50	E	110				
3/4"	021.673.03Q		19	53	91	60	E	168				
1"	021.673.04Q		22	58	102	68	E	246				
1 1/4"	021.673.05Q		26	68	120	80	E	360				
1 1/2"	021.673.06Q		31	78	140	96	E	595				
2"	021.673.07Q		38	93	169	116	E	970				
2 1/2"	021.673.08Q		44	126	214	145	C	1740				
3"	021.673.09Q		51	139	269	166	C	2810				
4"	021.673.10Q		61	159	290	210	C	4690				

DETAILS FOR CHECK VALVE WITH PTFE COATED STAINLESS STEEL SPRING ARE AVAILABLE ON REQUEST

• NON COMER PRODUCT

STANDARD SPRING CHECK NON RETURN VALVE - DOUBLE UNION - STAINLESS STEEL SPRING - FPM SEALS - PLAIN ENDS

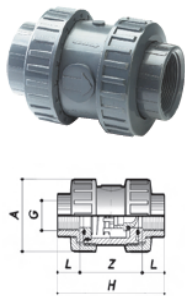


G	PART NO	PRICE	L	Z	H	A	Class	Wt (g)			
3/8"	021.671.01R		14	48	76	50	E	120			
1/2"	021.671.02R		16	48	80	50	E	110			
3/4"	021.671.03R		19	53	91	60	E	168			
1"	021.671.04R		22	58	102	68	E	246			
1 1/4"	021.671.05R		26	68	120	80	E	360			
1 1/2"	021.671.06R		31	78	140	96	E	595			
2"	021.671.07R		38	93	169	116	E	970			
2 1/2"	022.671.075R		44	126	214	145	C	1740			
3"	021.671.09R		51	139	269	166	C	2810			
4"	021.671.10R		61	159	290	210	C	4690			

DETAILS FOR CHECK VALVE WITH PTFE COATED STAINLESS STEEL SPRING ARE AVAILABLE ON REQUEST

PVC-U INCH

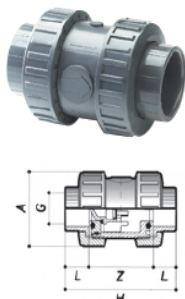
STANDARD SPRING CHECK NON RETURN VALVE - DOUBLE UNION - STAINLESS STEEL SPRING - FPM SEALS - THREADED ENDS



G	PART NO	PRICE	L	Z	H	A	Class	Wt (g)			
3/8"	021.673.01R		14	48	76	50	E	120			
1/2"	021.673.02R		16	48	80	50	E	110			
3/4"	021.673.03R		19	53	91	60	E	168			
1"	021.673.04R		22	58	102	68	E	246			
1 1/4"	021.673.05R		26	68	120	80	E	360			
1 1/2"	021.673.06R		31	78	140	96	E	595			
2"	021.673.07R		38	93	169	116	E	970			
2 1/2"	021.673.08R		44	126	214	145	C	1740			
3"	021.673.09R		51	139	269	166	C	2810			
4"	021.673.10R		61	159	290	210	C	4690			

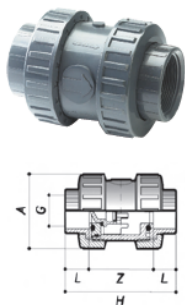
DETAILS FOR CHECK VALVE WITH PTFE COATED STAINLESS STEEL SPRING ARE AVAILABLE ON REQUEST

STANDARD AIR RELEASE VALVE - DOUBLE UNION - EPDM SEALS - PLAIN ENDS



G	PART NO	PRICE	L	Z	H	A	Class	Wt (g)			
3/8"	021.67A1.01Q		14	48	76	50	E	85			
1/2"	021.67A1.02Q		16	48	80	50	E	85			
3/4"	021.67A1.03Q		19	53	91	60	E	140			
1"	021.67A1.04Q		22	58	102	68	E	240			
1 1/4"	021.67A1.05Q		26	68	120	80	E	395			
1 1/2"	021.67A1.06Q		31	78	140	96	E	670			
2"	021.67A1.07Q		38	93	169	116	E	1130			
2 1/2"	022.67A1.075Q		44	126	214	145	C	1740			
3"	021.67A1.09Q		51	139	269	166	C	2810			
4"	021.67A1.10Q		61	159	290	210	C	4690			

STANDARD AIR RELEASE VALVE - DOUBLE UNION - EPDM SEALS - THREADED ENDS

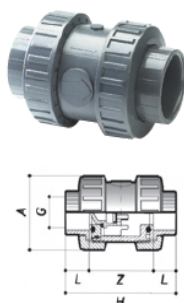


G	PART NO	PRICE	L	Z	H	A	Class	Wt (g)			
3/8"	021.67A3.01Q		14	48	76	50	E	85			
1/2"	021.67A3.02Q		16	48	80	50	E	85			
3/4"	021.67A3.03Q		19	53	91	60	E	140			
1"	021.67A3.04Q		22	58	102	68	E	240			
1 1/4"	021.67A3.05Q		26	68	120	80	E	395			
1 1/2"	021.67A3.06Q		31	78	140	96	E	670			
2"	021.67A3.07Q		38	93	169	116	E	1130			
2 1/2"	021.67A3.08Q		44	126	214	145	C	1740			
3"	021.67A3.09Q		51	139	269	166	C	2810			
4"	021.67A3.10Q		61	159	290	210	C	4690			

PVC-U MANUAL VALVES

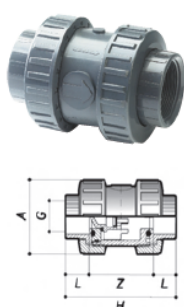
PVC-U INCH

STANDARD AIR RELEASE VALVE - DOUBLE UNION - FPM SEALS - PLAIN ENDS



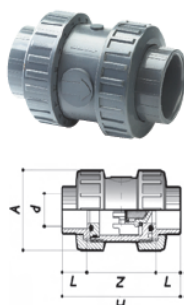
G	PART NO	PRICE	L	Z	H	A	Class	Wt (g)			
3/8"	021.67A1.01R		14	48	76	50	E	85			
1/2"	021.67A1.02R		16	48	80	50	E	85			
3/4"	021.67A1.03R		19	53	91	60	E	140			
1"	021.67A1.04R		22	58	102	68	E	240			
1 1/4"	021.67A1.05R		26	68	120	80	E	395			
1 1/2"	021.67A1.06R		31	78	140	96	E	670			
2"	021.67A1.07R		38	93	169	116	E	1130			
2 1/2"	022.67A1.075R		44	126	214	145	C	1740			
3"	021.67A1.09R		51	139	269	166	C	2810			
4"	021.67A1.10R		61	159	290	210	C	4690			

STANDARD AIR RELEASE VALVE - DOUBLE UNION - FPM SEALS - THREADED ENDS



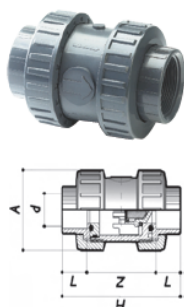
G	PART NO	PRICE	L	Z	H	A	Class	Wt (g)			
3/8"	021.67A3.01R		14	48	76	50	E	85			
1/2"	021.67A3.02R		16	48	80	50	E	85			
3/4"	021.67A3.03R		19	53	91	60	E	140			
1"	021.67A3.04R		22	58	102	68	E	240			
1 1/4"	021.67A3.05R		26	68	120	80	E	395			
1 1/2"	021.67A3.06R		31	78	140	96	E	670			
2"	021.67A3.07R		38	93	169	116	E	1130			
2 1/2"	021.67A3.08R		44	126	214	145	C	1740			
3"	021.67A3.09R		51	139	269	166	C	2810			
4"	021.67A3.10R		61	159	290	210	C	4690			

STANDARD FOOTVALVE - DOUBLE UNION - EPDM SEALS - PLAIN ENDS



d	PART NO	PRICE	L	Z	H	A	Class	Wt (g)			
3/8"	021.67F1.01Q		14	48	76	50	E	95			
1/2"	021.67F1.02Q		16	48	80	50	E	95			
3/4"	021.67F1.03Q		19	53	91	60	E	150			
1"	021.67F1.04Q		22	58	102	68	E	260			
1 1/4"	021.67F1.05Q		26	68	120	80	E	460			
1 1/2"	021.67F1.06Q		31	78	140	96	E	780			
2"	021.67F1.07Q		38	93	169	116	E	1350			
2 1/2"	022.67F1.075Q		44	126	214	145	C	1740			
3"	021.67F1.09Q		51	139	269	166	C	2810			
4"	021.67F1.10Q		61	159	290	210	C	4690			

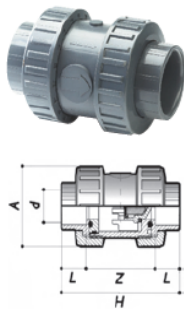
STANDARD FOOTVALVE - DOUBLE UNION - EPDM SEALS - THREADED ENDS



d	PART NO	PRICE	L	Z	H	A	Class	Wt (g)			
3/8"	021.67F3.01Q		14	48	76	50	E	95			
1/2"	021.67F3.02Q		16	48	80	50	E	95			
3/4"	021.67F3.03Q		19	53	91	60	E	150			
1"	021.67F3.04Q		22	58	102	68	E	260			
1 1/4"	021.67F3.05Q		26	68	120	80	E	460			
1 1/2"	021.67F3.06Q		31	78	140	96	E	780			
2"	021.67F3.07Q		38	93	169	116	E	1350			
2 1/2"	021.67F3.08Q		44	126	214	145	C	1740			
3"	021.67F3.09Q		51	139	269	166	C	2810			
4"	021.67F3.10Q		61	159	290	210	C	4690			

PVC-U MANUAL VALVES

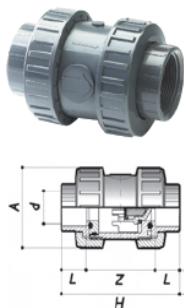
STANDARD FOOTVALVE - DOUBLE UNION - FPM SEALS - PLAIN ENDS



d	PART NO	PRICE	L	Z	H	A	Class	Wt (g)				
3/8"	021.67F1.01R		14	48	76	50	E	95				
1/2"	021.67F1.02R		16	48	80	50	E	95				
3/4"	021.67F1.03R		19	53	91	60	E	150				
1"	021.67F1.04R		22	58	102	68	E	260				
1 1/4"	021.67F1.05R		26	68	120	80	E	460				
1 1/2"	021.67F1.06R		31	78	140	96	E	780				
2"	021.67F1.07R		38	93	169	116	E	1350				
2 1/2"	022.67F1.075R		44	126	214	145	C	1740				
3"	021.67F1.09R		51	139	269	166	C	2810				
4"	021.67F1.10R		61	159	290	210	C	4690				

PVC-U INCH

STANDARD FOOTVALVE - DOUBLE UNION - FPM SEALS - THREADED ENDS



d	PART NO	PRICE	L	Z	H	A	Class	Wt (g)				
3/8"	021.67F3.01R		14	48	76	50	E	95				
1/2"	021.67F3.02R		16	48	80	50	E	95				
3/4"	021.67F3.03R		19	53	91	60	E	150				
1"	021.67F3.04R		22	58	102	68	E	260				
1 1/4"	021.67F3.05R		26	68	120	80	E	460				
1 1/2"	021.67F3.06R		31	78	140	96	E	780				
2"	021.67F3.07R		38	93	169	116	E	1350				
2 1/2"	021.67F3.08R		44	126	214	145	C	1740				
3"	021.67F3.09R		51	139	269	166	C	2810				
4"	021.67F3.10R		61	159	290	210	C	4690				

STANDARD WAFER TYPE CHECK VALVE - WITHOUT SPRING - EPDM SEAL



SIZE	PART NO	PRICE	A	B	C	Wt (g)						
1 1/4"•	023.84S.040Q		85	15	18	184						
1 1/2"•	023.84S.050Q		95	16	22	218						
2"•	023.84S.063Q		109	20	32	310						
2 1/2"•	023.84S.075Q		129	20	40	406						
3"•	023.84S.090Q		144	20	52	468						
4"•	023.84S.110Q		164	22	70	660						
5"•	023.84S.140Q		195	23	92	850						
6"•	023.84S.160Q		220	25	112	1252						
8"•	023.84S.225Q		275	35	150	2230						
10"•	023.84S.280Q		330	40	189	3380						
12"•	023.84S.315Q		380	45	226	4865						

THE STANDARD WAFER CHECK VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 2" - 6" NP10/16 * 8" - 12" NP10

STANDARD WAFER TYPE CHECK VALVE - WITHOUT SPRING - FPM SEAL



SIZE	PART NO	PRICE	A	B	C	Wt (g)						
1 1/4"•	023.84S.040R		85	15	18	184						
1 1/2"•	023.84S.050R		95	16	22	218						
2"•	023.84S.063R		109	20	32	310						
2 1/2"•	023.84S.075R		129	20	40	406						
3"•	023.84S.090R		144	20	52	468						
4"•	023.84S.110R		164	22	70	660						
5"•	023.84S.140R		195	23	92	850						
6"•	023.84S.160R		220	25	112	1252						
8"•	023.84S.225R		275	35	150	2230						
10"•	023.84S.280R		330	40	189	3380						
12"•	023.84S.315R		380	45	226	4865						

THE STANDARD WAFER CHECK VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 2" - 6" NP10/16 * 8" - 12" NP10

• NON COMER PRODUCT

PVC-U MANUAL VALVES

PVC-U INCH

STANDARD WAFER TYPE CHECK VALVE - WITH SPRING - EPDM SEAL



SIZE	PART NO	PRICE	A	B	C	Wt (g)									
11/4"	023.855.040Q		85	15	18	184									
11/2"	023.855.050Q		95	16	22	218									
2"	023.855.063Q		109	20	32	310									
2 1/2"	023.855.075Q		130	20	40	406									
3"	023.855.090Q		144	20	53	468									
4"	023.855.110Q		164	22	70	660									
5"	023.855.140Q		192	22	93	850									
6"	023.855.160Q		220	26	113	1252									
8"	023.855.225Q		276	35	152	2230									
10"	023.855.280Q		330	40	189	3380									
12"	023.855.315Q		380	45	226	4865									

THE STANDARD WAFER CHECK VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 2" - 6" NP10/16 * 8" - 12" NP10

STANDARD WAFER TYPE CHECK VALVE - WITH SPRING - FPM SEAL



SIZE	PART NO	PRICE	A	B	C	Wt (g)									
11/4"	023.855.040R		85	15	18	184									
11/2"	023.855.050R		95	16	22	218									
2"	023.855.063R		109	20	32	310									
2 1/2"	023.855.075R		130	20	40	406									
3"	023.855.090R		144	20	53	468									
4"	023.855.110R		164	22	70	660									
5"	023.855.140R		192	22	93	850									
6"	023.855.160R		220	26	113	1252									
8"	023.855.225R		276	35	152	2230									
10"	023.855.280R		330	40	189	3380									
12"	023.855.315R		380	45	226	4865									

THE STANDARD WAFER CHECK VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 2" - 6" NP10/16 * 8" - 12" NP10

STANDARD BUTTERFLY VALVE* - PVC BODY & PVC DISC - LEVER HANDLE WITH RATCHET HOLD - ZINC PLATED STEEL SHAFT - EPDM



SIZE	PART NO	PRICE	A	B	C	E	F	G	H	K	L	M	N	E'	S	Wt (g)
2"/2 1/2"	023.73EL.063Q		201	135	120	40	18	112	48	125	220	70	9	35	10	1650
3"	023.73EL.090Q		232	122	136	40	19	112	52	169.5	245	70	9	35	12	1900
4"	023.73EL.110Q		255	145	148	40	19	112	59	191.5	245	70	9	35	16	2600
5"	023.73EL.140Q		284	175	164	40	22	112	66	215	320	70	9	35	20	3500
6"	023.73EL.160Q		314	209	180	40	24	112	72	240	320	70	9	35	20	4550
8"	023.73EL.200Q		378	248	217	50	23	136	73	298	391	102	11	47	26	7350

BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 2" - 6" NP10/16 * 8" NP10
ELECTRICALLY AND PNEUMATICALLY ACTUATED BUTTERFLY VALVES ALSO AVAILABLE - SEE PAGE 79

*RESIDUAL STOCKS ONLY

STANDARD BUTTERFLY VALVE* - PVC BODY & PVC DISC - LEVER HANDLE WITH RATCHET HOLD - ZINC PLATED STEEL SHAFT - FPM LINER



SIZE	PART NO	PRICE	A	B	C	E	F	G	H	K	L	M	N	E'	S	Wt (g)
2"/2 1/2"	023.73EL.063R		201	135	120	40	18	112	48	125	220	70	9	35	10	1650
3"	023.73EL.090R		232	122	136	40	19	112	52	169.5	245	70	9	35	12	1900
4"	023.73EL.110R		255	145	148	40	19	112	59	191.5	245	70	9	35	16	2600
5"	023.73EL.140R		284	175	164	40	22	112	66	215	320	70	9	35	20	3500
6"	023.73EL.160R		314	209	180	40	24	112	72	240	320	70	9	35	20	4550
8"	023.73EL.200R		378	248	217	50	23	136	73	298	391	102	11	47	26	7350

BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 2" - 6" NP10/16 * 8" NP10
ELECTRICALLY AND PNEUMATICALLY ACTUATED BUTTERFLY VALVES ALSO AVAILABLE - SEE PAGE 79

*RESIDUAL STOCKS ONLY

• NON COMER PRODUCT

PVC-U MANUAL VALVES

STANDARD BUTTERFLY VALVE* - MOUNTED WITH STUB FLANGES & GALVANISED BACKING RINGS - LEVER HANDLE WITH RATCHET



EPDM LINER

SIZE	PART NO	PRICE
2"•	021.92EL.07Q	
2 1/2"•	021.92EL.08Q	
3"•	021.92EL.09Q	
4"•	021.92EL.10Q	
5"•	021.92EL.11Q	
6"•	021.92EL.12Q	
8"•	021.92EL.13Q	

FPM LINER

SIZE	PART NO	PRICE
2"•	021.92EL.07R	
2 1/2"•	021.92EL.08R	
3"•	021.92EL.09R	
4"•	021.92EL.10R	
5"•	021.92EL.11R	
6"•	021.92EL.12R	
8"•	021.92EL.13R	

BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 2" - 6" NP10/16 * 8" NP10
ELECTRICALLY AND PNEUMATICALLY ACTUATED BUTTERFLY VALVES ALSO AVAILABLE - SEE PAGE 79

*RESIDUAL STOCKS ONLY

PVC-U INCH

STANDARD BUTTERFLY VALVE - PVC BODY & PVC DISC - LEVER HANDLE WITH RATCHET HOLD - ST.ST. SHAFT - EPDM LINER



SIZE	PART NO	PRICE	d	d1	d2	Z	Z1	Z2	Z3	B	C	NxD	Wt (g)
2 1/2"•	023.73EL.075Q-V		185	106	128/144	53	134	92.5	174	108	270	4x19	2030
3"•	023.73EL.090Q-V		200	125	145/160	56	141.5	100	181	108	270	8x19	2320
4"•	023.73EL.110Q-V		220	150	165/190	63	151.5	110	192	108	270	8x19	2740
5"•	023.73EL.140Q-V		250	188	204/215	71	162.5	125	203	108	340	8x23	3960
6"•^	023.73EL.160Q-V		285	214	230/242	78	180	142.5	221	108	340	8x23	4860
8"•^	023.73EL.225Q-V		340	266	280/298	81	233	170	289	150	420	8x23	8830

BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 2" - 6" NP10/16 * 8" NP10
ELECTRICALLY AND PNEUMATICALLY ACTUATED BUTTERFLY VALVES ALSO AVAILABLE - SEE PAGE 79

^ PN6 RATED REMAINING VALVES ARE PN10 RATED

MOUNTING KIT FOR BUTTERFLY VALVE - COMPRISING STUB FLANGES, BACKING RINGS AND BOLT SETS



SIZE	PART NO	PRICE
2 1/2"•	023.92E.075-KIT-V	
3"•	021.92E.09-KIT-V	
4"•	021.92E.10-KIT-V	
5"•	023.92E.140-KIT-V	
6"•	021.92E.12-KIT-V	
8"•	021.92E.13-KIT-V	

PLEASE CONFIRM EITHER PVC OR GALVANISED BACKING RINGS WHEN ORDERING

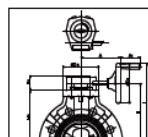
• NON COMER PRODUCT

PVC-U MANUAL VALVES

PVC-U INCH

INDUSTRIAL BUTTERFLY VALVE - PVC-U BODY AND PVC-U DISC WITH HANDWHEEL AND REDUCTION GEARBOX - S/S SHAFT - EPDM SEAL

ASAHI AV VALVES



SIZE	PART NO	PRICE	D	D1	D2	D3	L	H	H1	H2	H3	I	A	A1	A2
1 1/2"	033.73IH6.050Q		150	82	100	160	39	124	75	95	60	204	167	80	47
2"	033.73IH6.063Q		165	87	100	160	42	130	83	101	60	210	167	80	47
2 1/2"	033.73IH6.075Q		185	112	100	160	46	141	93	112	60	221	167	80	47
3"	033.73IH6.090Q		200	123	100	160	46	148	100	119	60	228	167	80	47
4"	033.73IH6.110Q		229	147	100	160	56	166	115	137	60	246	167	80	47
5"	033.73IH6.140Q		254	180	140	160	66	193	127	164	60	273	167	80	47
6"	033.73IH6.160Q		285	210	140	160	71	206	143	177	60	286	167	80	47
8"	033.73IH6.225Q		340	257	140	160	87	238	170	209	60	318	167	80	47
10"	033.73IH6.280Q		406	316	180	200	110	270	203	241	60	370	199	95	60

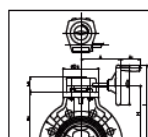
*RESIDUAL STOCKS ONLY.

THE INDUSTRIAL RANGE OF BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:

* 2" - 6" NP10/16 * 8" - 10" NP10

INDUSTRIAL BUTTERFLY VALVE - PVC-U BODY AND PVC-U DISC WITH HANDWHEEL AND REDUCTION GEARBOX - S/S SHAFT - FPM SEAL

ASAHI AV VALVES



SIZE	PART NO	PRICE	D	D1	D2	D3	L	H	H1	H2	H3	I	A	A1	A2
1 1/2"	033.73IH6.050R		150	82	100	160	39	124	75	95	60	204	167	80	47
2"	033.73IH6.063R		165	87	100	160	42	130	83	101	60	210	167	80	47
2 1/2"	033.73IH6.075R		185	112	100	160	46	141	93	112	60	221	167	80	47
3"	033.73IH6.090R		200	123	100	160	46	148	100	119	60	228	167	80	47
4"	033.73IH6.110R		229	147	100	160	56	166	115	137	60	246	167	80	47
5"	033.73IH6.140R		254	180	140	160	66	193	127	164	60	273	167	80	47
6"	033.73IH6.160R		285	210	140	160	71	206	143	177	60	286	167	80	47
8"	033.73IH6.225R		340	257	140	160	87	238	170	209	60	318	167	80	47
10"	033.73IH6.280R		406	316	180	200	110	270	203	241	60	370	199	95	60

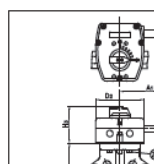
*RESIDUAL STOCKS ONLY.

THE INDUSTRIAL RANGE OF BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:

* 2" - 6" NP10/16 * 8" - 10" NP10

INDUSTRIAL BUTTERFLY VALVE - PVC-U BODY AND PVC-U DISC WITH HANDWHEEL AND REDUCTION GEARBOX - S/S SHAFT - EPDM SEAL

ASAHI AV VALVES



SIZE	PART NO	PRICE	D	D1	D2	D3	L	H	H1	H2	H3	I	A	A1	A2
1 1/2"	033.73IH7.050Q		150	71	122	160	39	130	75	95	92	210	167	64	
2"	033.73IH7.063Q		165	81	122	160	42	140	83	105	92	220	167	64	
2 1/2"	033.73IH7.075Q		185	95	122	160	46	150	93	115	92	230	167	64	
3"	033.73IH7.090Q		211	105	122	160	46	165	106	130	92	245	167	64	
4"	033.73IH7.110Q		238	134	122	160	56	180	119	145	92	260	167	64	
5"	033.73IH7.140Q		263	169	122	160	66	195	132	160	92	275	167	64	
6"	033.73IH7.160Q		285	190	122	160	71	210	143	175	92	290	167	64	
8"	033.73IH7.225Q		340	242	122	160	87	241	170	206	92	321	167	64	
10"	033.73IH7.280Q		421	302	122	160	112	276	211	241	92	356	167	64	

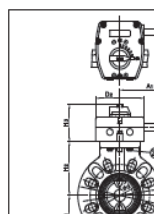
THE INDUSTRIAL RANGE OF BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:

* 2" - 6" NP10/16 * 8" - 10" NP10

ELECTRICALLY AND PNEUMATICALLY ACTUATED BUTTERFLY VALVES ALSO AVAILABLE - SEE PAGE 79

INDUSTRIAL BUTTERFLY VALVE - PVC-U BODY AND PVC-U DISC WITH HANDWHEEL AND REDUCTION GEARBOX - S/S SHAFT - FPM SEAL

ASAHI AV VALVES



SIZE	PART NO	PRICE	D	D1	D2	D3	L	H	H1	H2	H3	I	A	A1	A2
1 1/2"	033.73IH7.050R		150	71	122	160	39	130	75	95	92	210	167	64	
2"	033.73IH7.063R		165	81	122	160	42	140	83	105	92	220	167	64	
2 1/2"	033.73IH7.075R		185	95	122	160	46	150	93	115	92	230	167	64	
3"	033.73IH7.090R		211	105	122	160	46	165	106	130	92	245	167	64	
4"	033.73IH7.110R		238	134	122	160	56	180	119	145	92	260	167	64	
5"	033.73IH7.140R		263	169	122	160	66	195	132	160	92	275	167	64	
6"	033.73IH7.160R		285	190	122	160	71	210	143	175	92	290	167	64	
8"	033.73IH7.225R		340	242	122	160	87	241	170	206	92	321	167	64	
10"	033.73IH7.280R		421	302	122	160	112	276	211	241	92	356	167	64	

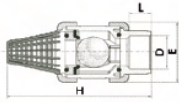
THE INDUSTRIAL RANGE OF BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:

* 2" - 6" NP10/16 * 8" - 10" NP10

ELECTRICALLY AND PNEUMATICALLY ACTUATED BUTTERFLY VALVES ALSO AVAILABLE - SEE PAGES 79

• NON COMER PRODUCT

STANDARD SPRING TYPE FOOT VALVE STRAINER - DOUBLE UNION - EPDM SEAL - THREADED ENDS



SIZE	PART NO	PRICE	L	H	E	Wt (g)						
1/2"•	021.861.02Q		16	107	52	150						
3/4"•	021.861.03Q		19	130	62	200						
1"•	021.861.04Q		22	154	70	330						
1 1/4"•	021.861.05Q		26	176	84	530						
1 1/2"•	021.861.06Q		31	202	94	680						
2"•	021.861.07Q		38	239	117	1230						
2 1/2"•	022.861.075Q		44	306	148	2550						
3"•	021.861.09Q		51	362	179	4550						
4"•	021.861.10Q		61	367	179	4600						

SPRING MATERIAL = STAINLESS STEEL

PVC-U INCH

SIGHT GLASS - EPDM SEAL



SIZE	PART NO	PRICE
1 1/2"•	021.893.06Q	
2"•	021.893.07Q	
2 1/2"•	022.891.075Q	
5"•	022.891.140Q	

END CONFIGURATION SIZES 1 1/2" AND 2"
= BSP FEMALE THREAD.
END CONFIGURATION SIZES 2 1/2" TO 5"
= PLAIN SOLVENT SOCKET.

LABORATORY BALL VALVE - THREADED ENDS



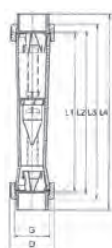
SIZE	PART NO	PRICE
1/4"•	021.983.00	
3/8"•	021.983.01	

• NON COMER PRODUCT

PVC-U MANUAL VALVES

VARIABLE AREA FLOWMETER - STANDARD PATTERN - TROGAMID TUBE - STAINLESS STEEL FLOAT - EPDM SEALS

PVC-U INCH



SIZE	PART NO	PRICE	SCALE	G	D	L1	L2	L3	L4	Wt (g)
3/4"•	021.1161.03A		20-250 L/HR	11/4"	53	350	356	375	394	450
3/4"•	021.1161.03B		40-400 L/HR	11/4"	53	350	356	375	394	450
3/4"•	021.1161.03C		60-640 L/HR	11/4"	53	350	356	375	394	450
3/4"•	021.1161.03D		75-1000 L/HR	11/4"	53	350	356	375	394	440
1"•	021.1161.04A		40-400 L/HR	11/2"	60	350	356	376	400	620
1"•	021.1161.04B		60-640 L/HR	11/2"	60	350	356	376	400	610
1"•	021.1161.04C		100-1000 L/HR	11/2"	60	350	356	376	400	600
1"•	021.1161.04D		150-1600 L/HR	11/2"	60	350	356	376	400	590
1 1/4"•	021.1161.05A		150-1600 L/HR	2"	74	350	356	380	408	1110
1 1/4"•	021.1161.05B		200-2500 L/HR	2"	74	350	356	380	408	1090
1 1/4"•	021.1161.05C		400-4000 L/HR	2"	74	350	356	380	408	1070
1 1/2"•	021.1161.06A		200-2500 L/HR	2 1/4"	83	350	356	382	418	1420
1 1/2"•	021.1161.06B		400-4000 L/HR	2 1/4"	83	350	356	382	418	1390
1 1/2"•	021.1161.06C		500-5000 L/HR	2 1/4"	83	350	356	382	418	1380
2"•	021.1161.07A		0.4-4.0 M ³ /HR	2 3/4"	103	350	356	386	433	2000
2"•	021.1161.07B		0.6-6.4 M ³ /HR	2 3/4"	103	350	356	386	433	1970
2"•	021.1161.07C		1.0-10.0 M ³ /HR	2 3/4"	103	350	356	386	433	1920
2 1/2"•	022.1161.08A		1.5-14.0 M ³ /HR	3 1/2"	122	350	356	388	445	3310
2 1/2"•	022.1161.08B		2.0-20.0 M ³ /HR	3 1/2"	122	350	356	388	445	3310

OPTIONAL ITEMS ON REQUEST: POLYSULFONE TUBE, PP FLOAT, MAGNETIC FLOAT, SWITCHES, SENSORS, SPECIAL SCALES

VARIABLE AREA FLOWMETER - SHORT PATTERN - TROGAMID TUBE - STAINLESS STEEL FLOAT - EPDM SEALS



SIZE	PART NO	PRICE	SCALE	G	D	L1	L2	L3	L4	Wt (g)
3/8"•	021.1171.01A		4-40 L/HR	3/4"	35	165	171	186	199	80
3/8"•	021.1171.01B		5-60 L/HR	3/4"	35	165	171	186	199	80
3/8"•	021.1171.01C		10-100 L/HR	3/4"	35	165	171	186	199	80
3/8"•	021.1171.01D		15-160 L/HR	3/4"	35	165	171	186	199	80
3/8"•	021.1171.01E		20-250 L/HR	3/4"	35	165	171	186	199	80
1/2"•	021.1171.02A		10-100 L/HR	1"	43	170	176	192	208	130
1/2"•	021.1171.02B		15-160 L/HR	1"	43	170	176	192	208	130
1/2"•	021.1171.02C		20-250 L/HR	1"	43	170	176	192	208	130
1/2"•	021.1171.02D		40-400 L/HR	1"	43	170	176	192	208	130
1/2"•	021.1171.02E		50-500 L/HR	1"	43	170	176	192	208	130
3/4"•	021.1171.03A		20-250 L/HR	1 1/4"	53	185	191	210	229	240
3/4"•	021.1171.03B		40-400 L/HR	1 1/4"	53	185	191	210	229	240
3/4"•	021.1171.03C		60-600 L/HR	1 1/4"	53	185	191	210	229	240
3/4"•	021.1171.03D		100-1000 L/HR	1 1/4"	53	185	191	210	229	240
1"•	021.1171.04A		40-400 L/HR	1 1/2"	59	200	206	226	250	340
1"•	021.1171.04B		60-650 L/HR	1 1/2"	59	200	206	226	250	340
1"•	021.1171.04C		100-1000 L/HR	1 1/2"	59	200	206	226	250	340
1"•	021.1171.04D		150-1600 L/HR	1 1/2"	59	200	206	226	250	340

OPTIONAL ITEMS ON REQUEST: POLYSULFONE TUBE, PP FLOAT, MAGNETIC FLOAT, SPECIAL SCALES

• NON COMER PRODUCT

PVC-U ACTUATED VALVES

ELECTRICALLY ACTUATED BALL VALVE

EPDM SEALS - PLAIN ENDS - 110-240V AC



d	PART NO	PRICE
3/8"	021.6611.EAJ.01Q	
1/2"	021.6611.EAJ.02Q	
3/4"	021.6611.EAJ.03Q	
1"	021.6611.EAJ.04Q	
1 1/4"	021.6611.EAJ.05Q	
1 1/2"	021.6611.EAJ.06Q	
2"	021.6611.EAJ.07Q	
2 1/2"	022.6611.EAJ.075Q	
3"	021.6611.EAJ.09Q	
4"	021.6611.EAJ.10Q	

EPDM SEALS - PLAIN ENDS - 24V AC/DC



d	PART NO	PRICE
3/8"	021.6611.EAC.01Q	
1/2"	021.6611.EAC.02Q	
3/4"	021.6611.EAC.03Q	
1"	021.6611.EAC.04Q	
1 1/4"	021.6611.EAC.05Q	
1 1/2"	021.6611.EAC.06Q	
2"	021.6611.EAC.07Q	
2 1/2"	022.6611.EAC.075Q	
3"	021.6611.EAC.09Q	
4"	021.6611.EAC.10Q	

PVC-U INCH

EPDM SEALS - THREADED ENDS - 110-240V AC



d	PART NO	PRICE
3/8"	021.6613.EAJ.01Q	
1/2"	021.6613.EAJ.02Q	
3/4"	021.6613.EAJ.03Q	
1"	021.6613.EAJ.04Q	
1 1/4"	021.6613.EAJ.05Q	
1 1/2"	021.6613.EAJ.06Q	
2"	021.6613.EAJ.07Q	
2 1/2"	021.6613.EAJ.08Q	
3"	021.6613.EAJ.09Q	
4"	021.6613.EAJ.10Q	

EPDM SEALS - THREADED ENDS - 24V AC/DC



d	PART NO	PRICE
3/8"	021.6613.EAC.01Q	
1/2"	021.6613.EAC.02Q	
3/4"	021.6613.EAC.03Q	
1"	021.6613.EAC.04Q	
1 1/4"	021.6613.EAC.05Q	
1 1/2"	021.6613.EAC.06Q	
2"	021.6613.EAC.07Q	
2 1/2"	021.6613.EAC.08Q	
3"	021.6613.EAC.09Q	
4"	021.6613.EAC.10Q	

FPM SEALS - PLAIN ENDS - 110-240V AC



d	PART NO	PRICE
3/8"	021.6611.EAJ.01R	
1/2"	021.6611.EAJ.02R	
3/4"	021.6611.EAJ.03R	
1"	021.6611.EAJ.04R	
1 1/4"	021.6611.EAJ.05R	
1 1/2"	021.6611.EAJ.06R	
2"	021.6611.EAJ.07R	
2 1/2"	022.6611.EAJ.075R	
3"	021.6611.EAJ.09R	
4"	021.6611.EAJ.10R	

FPM SEALS - PLAIN ENDS - 24V AC/DC



d	PART NO	PRICE
3/8"	021.6611.EAC.01R	
1/2"	021.6611.EAC.02R	
3/4"	021.6611.EAC.03R	
1"	021.6611.EAC.04R	
1 1/4"	021.6611.EAC.05R	
1 1/2"	021.6611.EAC.06R	
2"	021.6611.EAC.07R	
2 1/2"	022.6611.EAC.075R	
3"	021.6611.EAC.09R	
4"	021.6611.EAC.10R	

FPM SEALS - THREADED ENDS - 110-240V AC



d	PART NO	PRICE
3/8"	021.6613.EAJ.01R	
1/2"	021.6613.EAJ.02R	
3/4"	021.6613.EAJ.03R	
1"	021.6613.EAJ.04R	
1 1/4"	021.6613.EAJ.05R	
1 1/2"	021.6613.EAJ.06R	
2"	021.6613.EAJ.07R	
2 1/2"	021.6613.EAJ.08R	
3"	021.6613.EAJ.09R	
4"	021.6613.EAJ.10R	

FPM SEALS - THREADED ENDS - 24V AC/DC



d	PART NO	PRICE
3/8"	021.6613.EAC.01R	
1/2"	021.6613.EAC.02R	
3/4"	021.6613.EAC.03R	
1"	021.6613.EAC.04R	
1 1/4"	021.6613.EAC.05R	
1 1/2"	021.6613.EAC.06R	
2"	021.6613.EAC.07R	
2 1/2"	021.6613.EAC.08R	
3"	021.6613.EAC.09R	
4"	021.6613.EAC.10R	

OPTIONAL ITEMS ON REQUEST: FAILSAFE BATTERY SPRING RETURN KIT, MODULATING DIGITAL POSITIONING SYSTEM KIT

PVC-U ACTUATED VALVES

PVC-U INCH

ELECTRICALLY ACTUATED ISO TOP BALL VALVE

EPDM SEALS - PLAIN ENDS - 110-240V AC



d	PART NO	PRICE
1"	021.6611.EAJ.04Q-V	
1 1/2"	021.6611.EAJ.06Q-V	
2"	021.6611.EAJ.07Q-V	

EPDM SEALS - PLAIN ENDS - 24V AC/DC



d	PART NO	PRICE
1"	021.6611.EAC.04Q-V	
1 1/2"	021.6611.EAC.06Q-V	
2"	021.6611.EAC.07Q-V	

EPDM SEALS - THREADED ENDS - 110-240V AC



d	PART NO	PRICE
1"	021.6613.EAJ.04Q-V	
1 1/2"	021.6613.EAJ.06Q-V	
2"	021.6613.EAJ.07Q-V	

EPDM SEALS - THREADED ENDS - 24V AC/DC



d	PART NO	PRICE
1"	021.6613.EAC.04Q-V	
1 1/2"	021.6613.EAC.06Q-V	
2"	021.6613.EAC.07Q-V	

FPM SEALS - PLAIN ENDS - 110-240V AC



d	PART NO	PRICE
1"	021.6611.EAJ.04R-V	
1 1/2"	021.6611.EAJ.06R-V	
2"	021.6611.EAJ.07R-V	

FPM SEALS - PLAIN ENDS - 24V AC/DC



d	PART NO	PRICE
1"	021.6611.EAC.04R-V	
1 1/2"	021.6611.EAC.06R-V	
2"	021.6611.EAC.07R-V	

FPM SEALS - THREADED ENDS - 110-240V AC



d	PART NO	PRICE
1"	021.6613.EAJ.04R-V	
1 1/2"	021.6613.EAJ.06R-V	
2"	021.6613.EAJ.07R-V	

FPM SEALS - THREADED ENDS - 24V AC/DC



d	PART NO	PRICE
1"	021.6613.EAC.04R-V	
1 1/2"	021.6613.EAC.06R-V	
2"	021.6613.EAC.07R-V	

OPTIONAL ITEMS ON REQUEST: FAILSAFE BATTERY SPRING RETURN KIT, MODULATING DIGITAL POSITIONING SYSTEM KIT

• NON COMER PRODUCT

PVC-U ACTUATED VALVES

PNEUMATICALLY ACTUATED BALL VALVE - SPRING RETURN ACTUATOR

EPDM SEALS- PLAIN ENDS - FAIL SAFE CLOSE



d	PART NO	PRICE
3/8"	021.66I1.PANC.01Q	
1/2"	021.66I1.PANC.02Q	
3/4"	021.66I1.PANC.03Q	
1"	021.66I1.PANC.04Q	
1 1/4"	021.66I1.PANC.05Q	
1 1/2"	021.66I1.PANC.06Q	
2"	021.66I1.PANC.07Q	
2 1/2"	022.66I1.PANC.075Q	
3"	021.66I1.PANC.09Q	
4"	021.66I1.PANC.10Q	

EPDM SEALS- PLAIN ENDS - FAIL SAFE OPEN



d	PART NO	PRICE
3/8"	021.66I1.PANO.01Q	
1/2"	021.66I1.PANO.02Q	
3/4"	021.66I1.PANO.03Q	
1"	021.66I1.PANO.04Q	
1 1/4"	021.66I1.PANO.05Q	
1 1/2"	021.66I1.PANO.06Q	
2"	021.66I1.PANO.07Q	
2 1/2"	022.66I1.PANO.075Q	
3"	021.66I1.PANO.09Q	
4"	021.66I1.PANO.10Q	

PVC-U INCH

EPDM SEALS - THREADED ENDS - FAIL SAFE CLOSE



d	PART NO	PRICE
3/8"	021.66I3.PANC.01Q	
1/2"	021.66I3.PANC.02Q	
3/4"	021.66I3.PANC.03Q	
1"	021.66I3.PANC.04Q	
1 1/4"	021.66I3.PANC.05Q	
1 1/2"	021.66I3.PANC.06Q	
2"	021.66I3.PANC.07Q	
2 1/2"	021.66I3.PANC.08Q	
3"	021.66I3.PANC.09Q	
4"	021.66I3.PANC.10Q	

EPDM SEALS - THREADED ENDS - FAIL SAFE OPEN



d	PART NO	PRICE
3/8"	021.66I3.PANO.01Q	
1/2"	021.66I3.PANO.02Q	
3/4"	021.66I3.PANO.03Q	
1"	021.66I3.PANO.04Q	
1 1/4"	021.66I3.PANO.05Q	
1 1/2"	021.66I3.PANO.06Q	
2"	021.66I3.PANO.07Q	
2 1/2"	021.66I3.PANO.08Q	
3"	021.66I3.PANO.09Q	
4"	021.66I3.PANO.10Q	

FPM SEALS - PLAIN ENDS - FAIL SAFE CLOSE



d	PART NO	PRICE
3/8"	021.66I1.PANC.01R	
1/2"	021.66I1.PANC.02R	
3/4"	021.66I1.PANC.03R	
1"	021.66I1.PANC.04R	
1 1/4"	021.66I1.PANC.05R	
1 1/2"	021.66I1.PANC.06R	
2"	021.66I1.PANC.07R	
2 1/2"	022.66I1.PANC.075R	
3"	021.66I1.PANC.09R	
4"	021.66I1.PANC.10R	

FPM SEALS - PLAIN ENDS - FAIL SAFE OPEN



d	PART NO	PRICE
3/8"	021.66I1.PANO.01R	
1/2"	021.66I1.PANO.02R	
3/4"	021.66I1.PANO.03R	
1"	021.66I1.PANO.04R	
1 1/4"	021.66I1.PANO.05R	
1 1/2"	021.66I1.PANO.06R	
2"	021.66I1.PANO.07R	
2 1/2"	022.66I1.PANO.075R	
3"	021.66I1.PANO.09R	
4"	021.66I1.PANO.10R	

FPM SEALS - THREADED ENDS - FAIL SAFE CLOSE



d	PART NO	PRICE
3/8"	021.66I3.PANC.01R	
1/2"	021.66I3.PANC.02R	
3/4"	021.66I3.PANC.03R	
1"	021.66I3.PANC.04R	
1 1/4"	021.66I3.PANC.05R	
1 1/2"	021.66I3.PANC.06R	
2"	021.66I3.PANC.07R	
2 1/2"	021.66I3.PANC.08R	
3"	021.66I3.PANC.09R	
4"	021.66I3.PANC.10R	

FPM SEALS - THREADED ENDS - FAIL SAFE OPEN



d	PART NO	PRICE
3/8"	021.66I3.PANO.01R	
1/2"	021.66I3.PANO.02R	
3/4"	021.66I3.PANO.03R	
1"	021.66I3.PANO.04R	
1 1/4"	021.66I3.PANO.05R	
1 1/2"	021.66I3.PANO.06R	
2"	021.66I3.PANO.07R	
2 1/2"	021.66I3.PANO.08R	
3"	021.66I3.PANO.09R	
4"	021.66I3.PANO.10R	

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS
FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

PVC-U ACTUATED VALVES

PNEUMATICALLY ACTUATED BALL VALVE - DOUBLE ACTING ACTUATOR

EPDM SEALS - PLAIN ENDS

PVC-U INCH



d	PART NO	PRICE
3/8"	021.66I1.PADA.01Q	
1/2"	021.66I1.PADA.02Q	
3/4"	021.66I1.PADA.03Q	
1"	021.66I1.PADA.04Q	
1 1/4"	021.66I1.PADA.05Q	
1 1/2"	021.66I1.PADA.06Q	
2"	021.66I1.PADA.07Q	
2 1/2"	022.66I1.PADA.075Q	
3"	021.66I1.PADA.09Q	
4"	021.66I1.PADA.10Q	

EPDM SEALS - THREADED ENDS



d	PART NO	PRICE
3/8"	021.66I3.PADA.01Q	
1/2"	021.66I3.PADA.02Q	
3/4"	021.66I3.PADA.03Q	
1"	021.66I3.PADA.04Q	
1 1/4"	021.66I3.PADA.05Q	
1 1/2"	021.66I3.PADA.06Q	
2"	021.66I3.PADA.07Q	
2 1/2"	021.66I3.PADA.08Q	
3"	021.66I3.PADA.09Q	
4"	021.66I3.PADA.10Q	

FPM SEALS - PLAIN ENDS



d	PART NO	PRICE
3/8"	021.66I1.PADA.01R	
1/2"	021.66I1.PADA.02R	
3/4"	021.66I1.PADA.03R	
1"	021.66I1.PADA.04R	
1 1/4"	021.66I1.PADA.05R	
1 1/2"	021.66I1.PADA.06R	
2"	021.66I1.PADA.07R	
2 1/2"	022.66I1.PADA.075R	
3"	021.66I1.PADA.09R	
4"	021.66I1.PADA.10R	

FPM SEALS - THREADED ENDS



d	PART NO	PRICE
3/8"	021.66I3.PADA.01R	
1/2"	021.66I3.PADA.02R	
3/4"	021.66I3.PADA.03R	
1"	021.66I3.PADA.04R	
1 1/4"	021.66I3.PADA.05R	
1 1/2"	021.66I3.PADA.06R	
2"	021.66I3.PADA.07R	
2 1/2"	021.66I3.PADA.08R	
3"	021.66I3.PADA.09R	
4"	021.66I3.PADA.10R	

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS
FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

PVC-U ACTUATED VALVES

PNEUMATICALLY ACTUATED ISO TOP BALL VALVE - SPRING RETURN ACTUATOR

EPDM SEALS- PLAIN ENDS - FAIL SAFE CLOSE



d	PART NO	PRICE
1"	021.6611.PANC.04Q-V	
1 1/2"	021.6611.PANC.06Q-V	
2"	021.6611.PANC.07Q-V	

EPDM SEALS- PLAIN ENDS - FAIL SAFE OPEN



d	PART NO	PRICE
1"	021.6611.PANO.04Q-V	
1 1/2"	021.6611.PANO.06Q-V	
2"	021.6611.PANO.07Q-V	

PVC-U INCH

EPDM SEALS - THREADED ENDS - FAIL SAFE CLOSE



d	PART NO	PRICE
1"	021.6613.PANC.04Q-V	
1 1/2"	021.6613.PANC.06Q-V	
2"	021.6613.PANC.07Q-V	

EPDM SEALS - THREADED ENDS - FAIL SAFE OPEN



d	PART NO	PRICE
1"	021.6613.PANO.04Q-V	
1 1/2"	021.6613.PANO.06Q-V	
2"	021.6613.PANO.07Q-V	

FPM SEALS - PLAIN ENDS - FAIL SAFE CLOSE



d	PART NO	PRICE
1"	021.6611.PANC.04R-V	
1 1/2"	021.6611.PANC.06R-V	
2"	021.6611.PANC.07R-V	

FPM SEALS - PLAIN ENDS - FAIL SAFE OPEN



d	PART NO	PRICE
1"	021.6611.PANO.04R-V	
1 1/2"	021.6611.PANO.06R-V	
2"	021.6611.PANO.07R-V	

FPM SEALS - THREADED ENDS - FAIL SAFE CLOSE



d	PART NO	PRICE
1"	021.6613.PANC.04R-V	
1 1/2"	021.6613.PANC.06R-V	
2"	021.6613.PANC.07R-V	

FPM SEALS - THREADED ENDS - FAIL SAFE OPEN



d	PART NO	PRICE
1"	021.6613.PANO.04R-V	
1 1/2"	021.6613.PANO.06R-V	
2"	021.6613.PANO.07R-V	

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS
FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

• NON COMER PRODUCT

PVC-U ACTUATED VALVES

PNEUMATICALLY ACTUATED ISO TOP BALL VALVE - DOUBLE ACTING ACTUATOR

EPDM SEALS - PLAIN ENDS



d	PART NO	PRICE
1"•	021.66I1.PADA.04Q-V	
1 1/2"•	021.66I1.PADA.06Q-V	
2"•	021.66I1.PADA.07Q-V	

EPDM SEALS - THREADED ENDS



d	PART NO	PRICE
1"•	021.66I3.PADA.04R-V	
1 1/2"•	021.66I3.PADA.06R-V	
2"•	021.66I3.PADA.07R-V	

FPM SEALS - PLAIN ENDS



d	PART NO	PRICE
1"•	021.66I1.PADA.04Q-V	
1 1/2"•	021.66I1.PADA.06Q-V	
2"•	021.66I1.PADA.07Q-V	

FPM SEALS - THREADED ENDS



d	PART NO	PRICE
1"•	021.66I3.PADA.04R-V	
1 1/2"•	021.66I3.PADA.06R-V	
2"•	021.66I3.PADA.07R-V	

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS
FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

• NON COMER PRODUCT

PVC-U ACTUATED VALVES

ELECTRICALLY ACTUATED BUTTERFLY VALVE - PVC BODY & DISC - ST.ST SHAFT

EPDM LINER - 110-240V AC



d	PART NO	PRICE
21/2"	023.73E.EAJ.075Q-V	
3"	023.73E.EAJ.090Q-V	
4"	023.73E.EAJ.110Q-V	
5"	023.73E.EAJ.140Q-V	
6"	023.73E.EAJ.160Q-V	
8"	023.73E.EAJ.225Q-V	

EPDM LINER - 24V AC/DC



d	PART NO	PRICE
21/2"	023.73E.EAC.075Q-V	
3"	023.73E.EAC.090Q-V	
4"	023.73E.EAC.110Q-V	
5"	023.73E.EAC.140Q-V	
6"	023.73E.EAC.160Q-V	
8"	023.73E.EAC.225Q-V	

PVC-U INCH

OPTIONAL ITEMS ON REQUEST: FAILSAFE BATTERY SPRING RETURN KIT, MODULATING DIGITAL POSITIONING SYSTEM KIT

PNEUMATICALLY ACTUATED BUTTERFLY VALVE - PVC BODY & DISC - ST.ST SHAFT - SPRING RETURN ACTUATOR

EPDM LINER - FAIL SAFE CLOSE



d	PART NO	PRICE
21/2"	023.73E.PANC.075Q-V	
3"	023.73E.PANC.090Q-V	
4"	023.73E.PANC.110Q-V	
5"	023.73E.PANC.140Q-V	
6"	023.73E.PANC.160Q-V	
8"	023.73E.PANC.225Q-V	

EPDM LINER - FAIL SAFE OPEN



d	PART NO	PRICE
21/2"	023.73E.PANO.075Q-V	
3"	023.73E.PANO.090Q-V	
4"	023.73E.PANO.110Q-V	
5"	023.73E.PANO.140Q-V	
6"	023.73E.PANO.160Q-V	
8"	023.73E.PANO.225Q-V	

PNEUMATICALLY ACTUATED BUTTERFLY VALVE - PVC BODY & DISC - ST.ST SHAFT - DOUBLE ACTING ACTUATOR

EPDM LINER



d	PART NO	PRICE
21/2"	023.73E.PADA.075Q-V	
3"	023.73E.PADA.090Q-V	
4"	023.73E.PADA.110Q-V	
5"	023.73E.PADA.140Q-V	
6"	023.73E.PADA.160Q-V	
8"	023.73E.PADA.225Q-V	

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS
FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

• NON COMER PRODUCT

PVC-U INDUSTRIAL BALL VALVE SPARES

PVC-U INCH

IMPERIAL VALVE END PLAIN



SIZE	PART NO	PRICE
3/8"	VEIPPVC001	
1/2"	VEIPPVC002	
3/4"	VEIPPVC003	
1"	VEIPPVC004	
1 1/4"	VEIPPVC005	
1 1/2"	VEIPPVC006	
2"	VEIPPVC007	
2 1/2"	VEIPPVC0075	
3"	VEIPPVC009	
4"	VEIPPVC010	

EPDM SEAL KIT



SIZE	PART NO	PRICE
3/8"	BIG/E016	
1/2"	BIG/E020	
3/4"	BIG/E025	
1"	BIG/E032	
1 1/4"	BIG/E040	
1 1/2"	BIG/E050	
2"	BIG/E063	
2 1/2"	BIG/E075	
3"	BIG/E090	
4"	BIG/E110	

IMPERIAL VALVE END THREADED



SIZE	PART NO	PRICE
3/8"	VEITPVC001	
1/2"	VEITPVC002	
3/4"	VEITPVC003	
1"	VEITPVC004	
1 1/4"	VEITPVC005	
1 1/2"	VEITPVC006	
2"	VEITPVC007	
2 1/2"	VEITPVC008	
3"	VEITPVC009	
4"	VEITPVC010	

FPM SEAL KIT



SIZE	PART NO	PRICE
3/8"	BIG/F016	
1/2"	BIG/F020	
3/4"	BIG/F025	
1"	BIG/F032	
1 1/4"	BIG/F040	
1 1/2"	BIG/F050	
2"	BIG/F063	
2 1/2"	BIG/F075	
3"	BIG/F090	
4"	BIG/F110	

VALVE NUT



SIZE	PART NO	PRICE
3/8"-1/2"	VNPVC020	
3/4"	VNPVC025	
1"	VNPVC032	
1 1/4"	VNPVC040	
1 1/2"	VNPVC050	
2"	VNPVC063	
2 1/2"	VNPVC075	
3"	VNPVC090	
4"	VNPVC110	

VALVE HANDLE



SIZE	PART NO	PRICE
3/8"-1/2"	BDH.020	
3/4"	BDH.025	
1"	BDH.032	
1 1/4"	BDH.040	
1 1/2"	BDH.050	
2"	BDH.063	
2 1/2"	BDH.075	
3"	BDH.090	
4"	BDH.110	

PVC-U ACCESSORIES

GRIFFON UNI100 PVC-U CEMENT



SIZE	PART NO	PRICE
125ml [^]	96.E101020	
250ml*	96.E101030	
500ml	96.E101080	

[^] TUBE

* TUB WITH BRUSH

GRIFFON HCR-36 CHEMICAL CEMENT



SIZE	PART NO	PRICE
1000ml	96.E114091	

GRIFFON WDF-05



SIZE	PART NO	PRICE
250ml*	96.45.0240	
500ml*	96.45.0500	

* PLASTIC BOTTLE WITH BRUSH

GRIFFON HCR-36 CHEMICAL CLEANER



SIZE	PART NO	PRICE
500ml	96.E120006	

GRIFFON UNI100 XT PVC-U CEMENT



SIZE	PART NO	PRICE
125ml [^]	96.E6300545	
250ml*	96.E6300425	
500ml*	96.E6300497	
1000ml*	96.E6300427	

[^] TUBE

* TUB WITH BRUSH

GRIFFON AQUA-MAX POOL SEALANT



SIZE	PART NO	PRICE
425g	96.E6308214	

GRIFFON UNI100 GT PVC-U CEMENT



SIZE	PART NO	PRICE
5 litres	96.E101160	

* A SLOWER SETTING PVC CEMENT WHICH IS NORMALLY USED IN LARGE DIAMETER INSTALLATIONS

GRIFFON CLEANING FLUID



SIZE	PART NO	PRICE
500ml	96.E200021	
5000ml	96.E200035	

PVC-U INCH

PVC-U ACCESSORIES

PVC-U INCH

GRIFFON CABLE SAW



SIZE	PART NO	PRICE
	96.E6307762	

GLUE BRUSHES



SIZE	PART NO	PRICE
4mm	96.49.004R	
8mm	96.49.008R	
1/2"	96.49.015F	
1"	96.49.025F	
1 1/2"	96.49.040F	
2"	96.49.050F	
3"	96.49.075F	

GRIFFON DE-BURRING TOOL



SIZE	PART NO	PRICE
	96.E6307765	

GRIFFON CHAMFERING TOOL*



SIZE	PART NO	PRICE
1/2"-2"	96.E6307771	

GRIFFON CLEANER CLOTHS



SIZE	PART NO	PRICE
1x100	96.E6307417	

*FOR SIZES 3/4" AND 1 1/4" THE NEXT SIZE INSERT NEEDS TO BE USED IE 3/4" - 32MM, 1 1/4" - 50MM

GRIFFON MULTI-FUNCTIONAL WIPES



SIZE	PART NO	PRICE
1x75	96.E6307282	

12mm WIDE PTFE THREAD SEAL TAPE



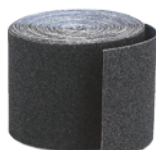
SIZE	PART NO	PRICE
12m	96.50.0012	

GRIFFON HAND CLEANER



SIZE	PART NO	PRICE
500ml	96.E6307283	

5 METRE ROLL OF EMERY TAPE – 80 GRIT



SIZE	PART NO	PRICE
50mm wide	96.51.08015	

EPDM O RINGS TO SUIT PVC-U UNIONS



SIZE	PART NO	PRICE
1/2"/20	G/UN020	
3/4"/25	G/UN025	
1"/32	G/UN032	
1 1/4"/40	G/UN040	
1 1/2"/50	G/UN050	
2"/63	G/UN063	
2 1/2"/75	G/UN075	
3"/90	G/UN090	
4"/110	G/UN0110	

INDUSTRIAL PIPE CLIP - BLACK P/P



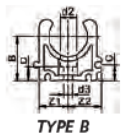
TYPE B



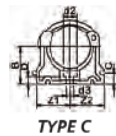
TYPE C



TYPE D



TYPE B



TYPE C



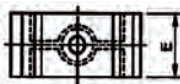
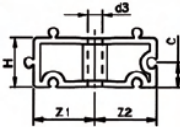
TYPE D

SIZES 1/4" TO 1" INCLUSIVE ARE NOT SUPPLIED WITH RETAINING STRAPS
SIZES 5" TO 8" INCLUSIVE ARE SUPPLIED COMPLETE WITH STRAP AND B2P STRAP BOLT

SIZE	PART NO	PRICE	TYPE	D ₂	D ₃	Z ₁	Z ₂	B	C	D	E	Wt (g)
3/8"	961.41.01		B	10.5	5.5	14	16.5	23.5	10	6	16	6
1/2"	961.41.02		B	10.5	5.5	16.5	19	23.5	10	6	16	8
3/4"	961.41.03		B	10.5	5.5	19	21.5	28.5	10	6	16	10
1"	961.41.04		B	10.5	5.5	24	26.5	32	10	6	16	12
1 1/4"	961.41.05		C	14	6.5	33.5	33.5	36	10	6.5	22	26
1 1/2"	961.41.06		C	14	6.5	37	37	39	10	6.5	22	29
2"	961.41.07		C	17	8.5	44.5	44.5	50	10	10	25	48
2 1/2"	961.41.08		C	17	8.5	52	52	57.5	10	10	25	73
3"	961.41.09		C	17	8.5	64.5	64.5	65	10	10	28	107
4"	961.41.10		C	17	8.5	78	78	82	10	10	28	120
5"	961.41.11		D		11	120.5	97.5	130		20	35	270
6"	961.41.12		D		11	136	111	147		20	35	360
8"	961.41.13		D		13	165	135	177		25	40	560

PVC-U INCH

INDUSTRIAL SPACING BLOCK - BLACK P/P



SIZE	PART NO	PRICE	d ₃	Z ₁	Z ₂	H	C	E	Wt (g)
3/8"	961.42.01		5.5	14	16.5	20	10	16	4.5
1/2"	961.42.02		5.5	16.5	19	20	10	16	5
3/4"	961.42.03		5.5	19	21.5	20	10	16	6
1"	961.42.04		5.5	24	26.5	20	10	16	8
1 1/4"	961.42.05		6.5	33.5	33.5	20	10	22	16
1 1/2"	961.42.06		6.5	37	37	20	10	22	17
2"	961.42.07		8.5	44.5	44.5	20	10	25	24
2 1/2"	961.42.08		8.5	52	52	20	10	25	28
3"	961.42.09		8.5	64.5	64.5	20	10	28	42
4"	961.42.10		8.5	78	78	20	10	28	49

RUBBER LINED PIPE CLIPS



SIZE	PART NO	PRICE
3/8"/16	962.123.016	
1/2"/20	962.123.020	
3/4"/25	962.123.025	
1"/32	962.123.032	
1 1/4"/40	962.123.040	
1 1/2"/50	962.123.050	
2"/63	962.123.063	
2 1/2"/75	962.123.075	
3"/90	962.123.090	
4"/110	962.123.110	
5"*/140	962.123.140	
6"*/160	962.123.160	
8"*/225	962.123.225	

* 2 SCREW TYPE

EPDM STUB GASKET



SIZE	PART NO	PRICE	D	d
1/2"	983.151.02		33	18
3/4"	983.151.03		40	23
1"	983.151.04		48	30
1 1/4"	983.151.05		58	33
1 1/2"	983.151.06		70	44
2"	983.151.07		87	60
2 1/2"	983.151.08		103	77
3"	983.151.09		121	85
4"	983.151.10		147	105
5"	983.151.11A		183	143
6"	983.151.12		210	170
8"	983.151.13A		265	215
10"	983.151.14A			

STANDARD GASKETS ARE 3.0mm THICK
PRICES ARE ALSO AVAILABLE ON REQUEST FOR OTHER GASKET MATERIALS (IE FPM, PTFE ETC.)
FOR GASKET WEIGHTS PLEASE SEE PAGE 33

PVC-U ACCESSORIES

PVC-U INCH

EPDM FULL FACE GASKET - BS4504 NP10/16



SIZE	PART NO	PRICE	d3	d1	d2	Holes	Wt (g)				
1/2"	983.171.02Z		91	22	65	4	22				
3/4"	983.171.03Z		101	26	75	4	31				
1"	983.171.04Z		116	36	85	4	34				
1 1/4"	983.171.05Z		140	43	100	4	48				
1 1/2"	983.171.06Z		150	50	110	4	51				
2"	983.171.07Z		165	60	125	4	66				
2 1/2"	983.171.08Z		185	77	145	4	80				
3"	983.171.09Z		200	89	160	8	86				
4"	983.171.10Z		220	115	180	8	95				
5"	983.171.11AZ		250	141	210	8	108				
6"	983.171.12Z		286	170	240	8	136				
8" NP10	983.171.13AY		341	221	295	8	177				
8" NP16	983.171.13AZ		341	221	295	12	177				
10" NP10	983.171.14AY		395		350	12					
10" NP16	983.171.14AZ		405		355	12					

EPDM FULL FACE GASKET - BS10 TABLES D & E



SIZE	PART NO	PRICE	d3	d1	d2	Holes	Wt (g)				
1/2"	983.171.02W		91	22	67	4	22				
3/4"	983.171.03W		101	26	73	4	31				
1"	983.171.04W		116	36	83	4	34				
1 1/4"	983.171.05W		140	43	88	4	48				
1 1/2"	983.171.06W		150	50	98	4	51				
2"	983.171.07W		165	60	115	4	66				
2 1/2"	983.171.08W		185	77	127	4	80				
3"	983.171.09W		200	89	146	4	86				
4" D	983.171.10V		220	115	178	4	95				
4" E	983.171.10W		220	115	178	8	95				
5"	983.171.11AW		250	141	210	8	108				
6"	983.171.12W		286	170	235	8	136				
8"	983.171.13AW		341	221	292	8	177				
10" D	983.171.14AV				356	8					
10" E	983.171.14AZ				356	12					

EPDM FULL FACE GASKET - ASA 150



SIZE	PART NO	PRICE	d3	d1	d2	Holes	Wt (g)				
1/2"	983.171.02X		91	22	60	4	22				
3/4"	983.171.03X		101	26	70	4	31				
1"	983.171.04X		116	36	79	4	34				
1 1/4"	983.171.05X		140	43	89	4	48				
1 1/2"	983.171.06X		150	50	98	4	51				
2"	983.171.07X		165	60	121	4	66				
2 1/2"	983.171.08X		185	77	140	4	80				
3"	983.171.09X		200	89	152	4	86				
4"	983.171.10X		220	115	190	8	95				
5"	983.171.11AX		250	141	216	8	108				
6"	983.171.12X		286	170	241	8	136				
8"	983.171.13AX		341	221	298	8	177				
10"	983.171.14AX				362	12					

STANDARD GASKETS ARE 3.0mm THICK
OTHER DRILLINGS ARE AVAILABLE TO ORDER
PRICES ARE ALSO AVAILABLE ON REQUEST FOR OTHER GASKET MATERIALS (IE FPM, PTFE ETC.)

GALVANISED MILD STEEL BACKING RING - BS4504 NP10/16



SIZE	PART NO	PRICE	d3	d1	d2	Holes	Wt (g)				
1/2"	991.331.02Z		95	28	65	4	300				
3/4"	991.331.03Z		104	34	75	4	400				
1"	991.331.04Z		111	42	85	4	500				
1 1/4"	991.331.05Z		140	51	100	4	750				
1 1/2"	991.331.06Z		152	62	110	4	900				
2"	991.331.07Z		164	78	125	4	1000				
2 1/2"	991.331.08Z		185	92	145	4	1200				
3"	991.331.09Z		199	110	160	8	1300				
4"	991.331.10Z		218	133	180	8	1400				
5"	991.331.11Z		249	167	210	8	1650				
6"	991.331.12Z		283	196	240	8	2600				
8" NP10	991.331.13Y		339	250	295	8	3000				
8" NP16	991.331.13Z		339	250	295	12	3000				
10" NP10	991.331.14Y		393		350	12					
10" NP16	991.331.14Z		404		355	12					

PVC-U INCH

GALVANISED MILD STEEL BACKING RING - BS10 TABLES D & E



SIZE	PART NO	PRICE	d3	d1	d2	Holes	Wt (g)				
1/2"	991.331.02W		95	28	67	4	300				
3/4"	991.331.03W		104	34	73	4	400				
1"	991.331.04W		111	42	83	4	500				
1 1/4"	991.331.05W		140	51	88	4	750				
1 1/2"	991.331.06W		152	62	98	4	900				
2"	991.331.07W		164	78	115	4	1000				
2 1/2"	991.331.08W		185	92	127	4	1200				
3"	991.331.09W		199	110	146	4	1300				
4" D	991.331.10V		218	133	178	4	1400				
4" E	991.331.10W		218	133	178	8	1400				
5"	991.331.11W		249	167	210	8	1650				
6"	991.331.12W		283	196	235	8	2600				
8"	991.331.13W		339	250	292	8	3000				
10" D	991.331.14V			280	356	8					
10" E	991.331.14W			280	356	12					

GALVANISED MILD STEEL BACKING RING - ASA 150



SIZE	PART NO	PRICE	d3	d1	d2	Holes	Wt (g)				
1/2"	991.331.02X		95	28	60	4	300				
3/4"	991.331.03X		104	34	70	4	400				
1"	991.331.04X		111	42	79	4	500				
1 1/4"	991.331.05X		140	51	89	4	750				
1 1/2"	991.331.06X		152	62	98	4	900				
2"	991.331.07X		164	78	121	4	1000				
2 1/2"	991.331.08X		185	92	140	4	1200				
3"	991.331.09X		199	110	152	4	1300				
4"	991.331.10X		218	133	190	8	1400				
5"	991.331.11X		249	167	216	8	1650				
6"	991.331.12X		283	196	241	8	2600				
8"	991.331.13X		339	250	298	8	3000				
10"	991.331.14X			280	362	12					