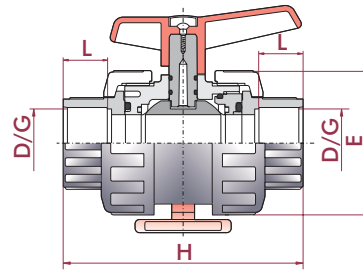


TRUE UNION BALL VALVES - INDUSTRIAL SERIES

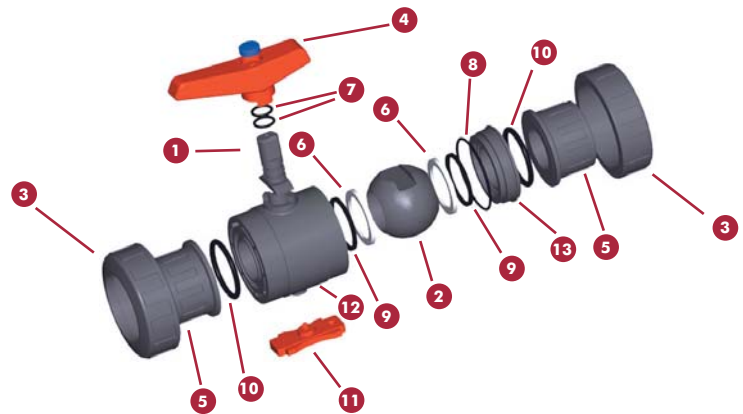
FEATURES

- "Antiblock" system that avoids ball blockage.
- 100% factory tested.
- Available in PVC or Corzan® CPVC.
- Threaded seal carrier which allows disassembling of the valve while maintaining system pressure.
- Includes tool to adjust threaded seal carrier.
- Socket and threaded end connectors included.
- Union ends for easy installation and removal.
- Good mechanical strength.
- Resistance to many inorganic chemicals.
- Excellent flow characteristics.
- Sizes from 1/2" to 4".
- Available standards: ANSI/ASTM, Metric, British Standard, JIS.
- Threaded versions: NPT and BSP.
- O-rings available in EPDM or Viton®.
- Ball seat in Teflon®.
- Electric and pneumatic actuators available.



D / G	L	H	E
1/2"	0.6"	3.3"	2.0"
3/4"	0.7"	4.3"	2.4"
1"	0.9"	4.9"	2.8"
1 1/4"	1.0"	5.6"	3.3"
1 1/2"	1.2"	6.6"	4.1"
2"	1.5"	7.8"	4.7"
2 1/2"	1.7"	9.1"	5.8"
3"	2.0"	10.6"	7.0"
4"	2.4"	13.8"	7.0"

Fig.	Parts	Material
1	Stem	PVC / CPVC
2	Ball	PVC / CPVC
3	Union nut	PVC / CPVC
4	Handle	PPL
5	End connector	PVC / CPVC
6	Ball seat	Teflon®
7	Stem o-ring	EPDM / FPM
8	Body o-ring	EPDM / FPM
9	Dampener seal	EPDM / FPM
10	End connector o-ring	EPDM / FPM
11	Seal carrier thread tool	ABS
12	Body	PVC / CPVC
13	Seal carrier	PVC / CPVC



D / G	Kv ₁₀₀	Cv
1/2"	102	7
3/4"	260	18
1"	451	32
1 1/4"	1627	114
1 1/2"	2902	203
2"	3475	243
2 1/2"	4167	292
3"	6300	441
4"	6800	476



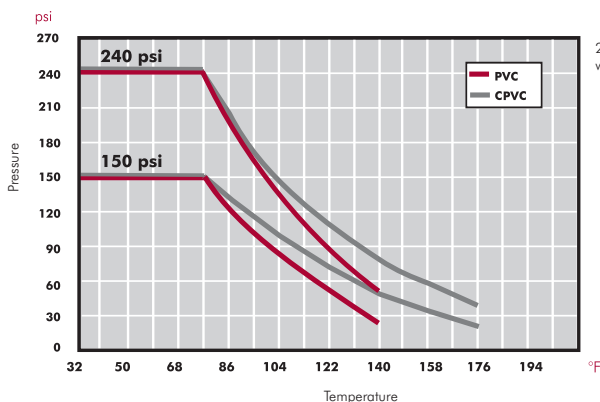
NSF National Sanitation Foundation (USA)
 NSF 14 & 61
 1/2" thru 3"
 ASTM F1970

$$Cv = Kv_{100} / 14,28$$

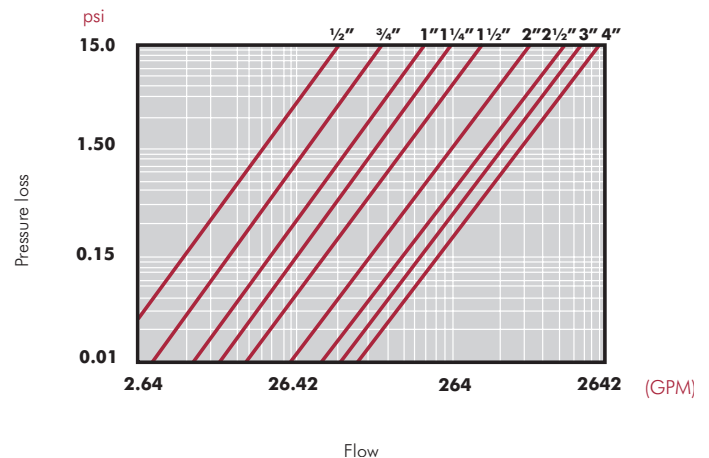
$$Kv_{100} (\text{l/min}, \Delta p = 1 \text{ bar})$$

$$Cv (\text{GPM}, \Delta p = 1 \text{ psi})$$

PRESSURE-TEMPERATURE RELATIONSHIP GUIDE

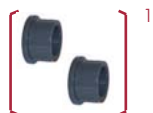


TOTAL DYNAMIC HEAD



PVC True Union Ball Valves - Industrial Series - Teflon®/EPDM


PVC TRUE UNION
Threaded and socket
 Seats: PTFE (Teflon®)
 O-rings: EPDM
 240 psi @ 73°F



Size	Reference	psi	Pack	Weight (lb)	Q	Code
½"	05 73 801 D	240	B	4.36	8 (1)	21979
¾"	05 73 802 D	240	B	6.53	8 (1)	21980
1"	05 73 803 D	240	B	4.93	4 (1)	21981
1¼"	05 73 804 D	240	B	7.15	4 (1)	21982
1½"	05 73 805 D	240	D	23.54	8 (1)	21983
2"	05 73 806 D	240	D	27.94	6 (1)	21984

THREADED

Size	Reference	psi	Pack	Weight (lb)	Q	Code
2½"	05 73 807	150	D	25.87	4 (1)	21141
3"	05 73 808	150	D	21.01	2 (1)	21142
4"	05 73 811	150	D	18.45	1	22063



PVC TRUE UNION¹
 Seats: PTFE (Teflon®)
 O-rings: EPDM
 150 psi @ 73°F

SOCKET

Size	Reference	psi	Pack	Weight (lb)	Q	Code
2½"	05 73 907 MA	150	D	25.08	4 (1)	21131
3"	05 73 908 MA	150	D	20.37	2 (1)	21132
4"	05 73 911 MA	150	D	17.89	1	22064

PVC True Union Ball Valves - Industrial Series - Teflon®/Viton®


PVC TRUE UNION
Threaded and socket
 Seats: PTFE (Teflon®)
 O-rings: FPM (Viton®)
 240 psi @ 73°F



Size	Reference	psi	Pack	Weight (lb)	Q	Code
½"	05 73 801 VID	240	B	4.40	8 (1)	21979VIT
¾"	05 73 802 VID	240	B	5.57	8 (1)	21980VIT
1"	05 73 803 VID	240	B	4.88	4 (1)	21981VIT
1¼"	05 73 804 VID	240	B	7.26	4 (1)	21982VIT
1½"	05 73 805 VID	240	D	23.91	8 (1)	21983VIT
2"	05 73 806 VID	240	D	28.38	6 (1)	21984VIT

THREADED

Size	Reference	psi	Pack	Weight (lb)	Q	Code
2½"	05 73 807 VI	150	D	26.49	4 (1)	21161
3"	05 73 808 VI	150	D	21.52	2 (1)	21162
4"	05 73 811 VI	150	D	18.90	1	22063VIT



PVC TRUE UNION¹
 Seats: PTFE (Teflon®)
 O-rings: FPM (Viton®)
 150 psi @ 73°F

SOCKET

Size	Reference	psi	Pack	Weight (lb)	Q	Code
2½"	05 73 907 AV	150	D	25.68	4 (1)	21131VIT
3"	05 73 908 AV	150	D	20.86	2 (1)	21132VIT
4"	05 73 911 AV	150	D	18.32	1	22064VIT

¹ ½" thru 2" Ball Valves are supplied with both socket and threaded end connectors.

2 ½" thru 4" Ball Valves have to be ordered with socket or threaded connections, they don't include both.

CORZAN® CPVC True Union Ball Valves - Industrial Series - Teflon®/EPDM



Size	Reference	psi	Pack	Weight (lb)	Q	Code
1/2"	35 73 801 D	240	B	4.58	8 (1)	22230
3/4"	35 73 802 D	240	B	6.80	8 (1)	22231
1"	35 73 803 D	240	B	5.19	4 (1)	22232
1 1/4"	35 73 804 D	240	B	7.51	4 (1)	22233
1 1/2"	35 73 805 D	240	D	24.73	8 (1)	22234
2"	35 73 806 D	240	D	29.26	6 (1)	22235



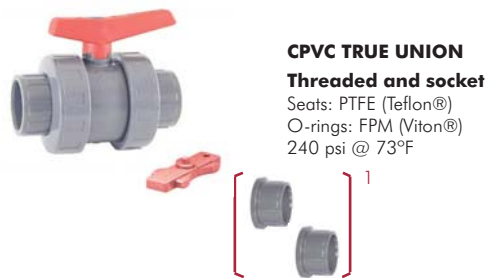
THREADED

Size	Reference	psi	Pack	Weight (lb)	Q	Code
2 1/2"	35 73 807	150	D	26.58	4 (1)	22248
3"	35 73 808	150	D	22.34	2 (1)	22249
4"	35 73 811	150	D	19.28	1	22250

SOCKET

Size	Reference	psi	Pack	Weight (lb)	Q	Code
2 1/2"	35 73 907 MA	150	D	25.96	4 (1)	22245
3"	35 73 908 MA	150	D	21.82	2 (1)	22246
4"	35 73 911 MA	150	D	18.83	1	22247

CORZAN® CPVC True Union Ball Valves - Industrial Series - Teflon®/Viton®



Size	Reference	psi	Pack	Weight (lb)	Q	Code
1/2"	35 73 801 VID	240	B	4.51	8 (1)	22230VIT
3/4"	35 73 802 VID	240	B	6.80	8 (1)	22231VIT
1"	35 73 803 VID	240	B	5.19	4 (1)	22232VIT
1 1/4"	35 73 804 VID	240	B	7.44	4 (1)	22233VIT
1 1/2"	35 73 805 VID	240	D	24.51	8 (1)	22234VIT
2"	35 73 806 VID	240	D	29.26	6 (1)	22235VIT



THREADED

Size	Reference	psi	Pack	Weight (lb)	Q	Code
2 1/2"	35 73 807 VI	150	D	27.15	4 (1)	22248VIT
3"	35 73 808 VI	150	D	22.05	2 (1)	22249VIT
4"	35 73 811 VI	150	D	19.37	1	22250VIT

SOCKET

Size	Reference	psi	Pack	Weight (lb)	Q	Code
2 1/2"	35 73 907 AV	150	D	25.98	4 (1)	22245VIT
3"	35 73 908 AV	150	D	21.82	2 (1)	22246VIT
4"	35 73 911 AV	150	D	20.24	1	22247VIT

¹ 1/2" thru 2" Ball Valves are supplied with both socket and threaded end connectors.
2 1/2" thru 4" Ball Valves have to be ordered with socket or threaded connections, they don't include both.