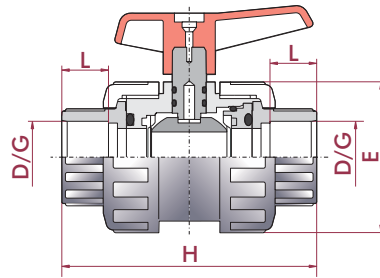


TRUE UNION BALL VALVES - STANDARD SERIES

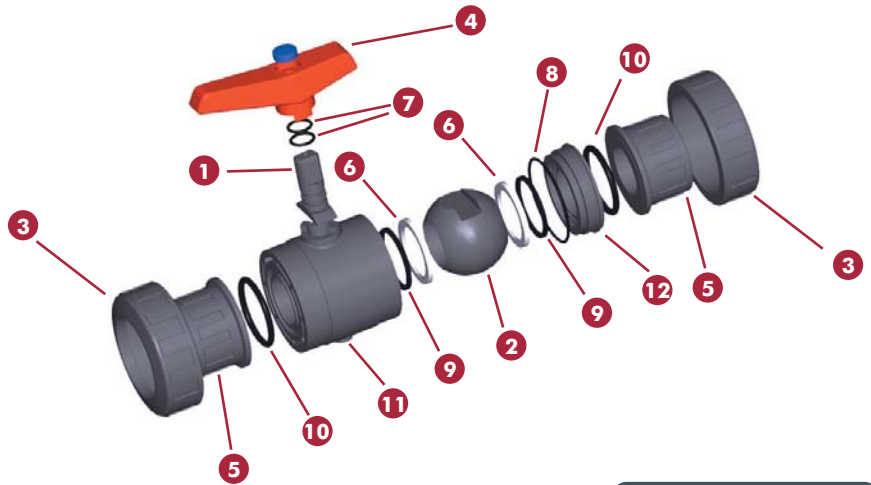
FEATURES

- "Antiblock" system that avoids ball blockage.
- 100% factory tested.
- Minimal pressure drop.
- Low operating torque.
- Resistance to many inorganic chemicals.
- Excellent flow characteristics.
- Sizes from 1/2" - 4".
- Available standards: ANSI/ASTM, Metric, British Standard, JIS.
- Threaded versions: NPT and BSP.
- O-rings available in EPDM.
- Ball seat available in HDPE.
- 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
2	Ball	PVC
3	Union nut	PVC
4	Handle	PPL
5	End connector	PVC
6	Ball seat	PE
7	Stem o-ring	EPDM
8	Body o-ring	EPDM
9	Dampener seal	EPDM
10	End connector o-ring	EPDM
11	Body	PVC
12	Seal carrier	PVC



NSF National Sanitation Foundation (USA)
 NSF 14 & 61
 3/8" thru 4" Socketed
 3/8" thru 4" Threaded
 ASTM F1970

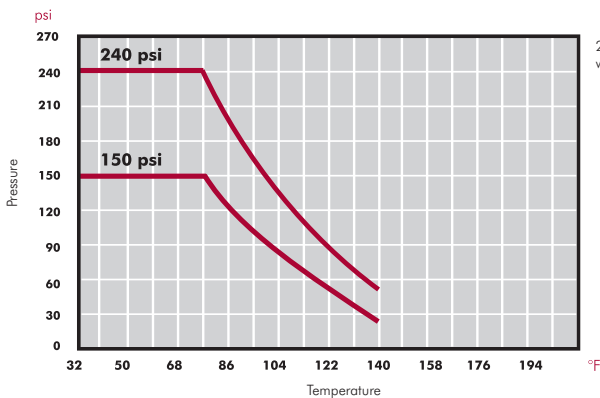
$$Cv = Kv_{100} / 14,28$$

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

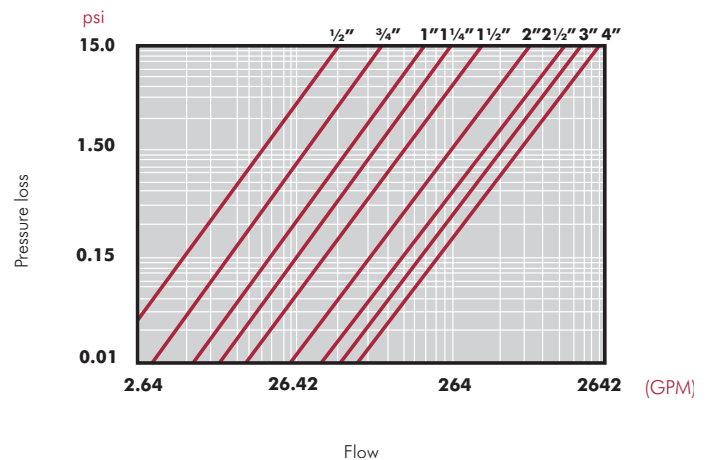
$$Cv \text{ (GPM, } \Delta p = 1 \text{ psi)}$$

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

PRESSURE-TEMPERATURE RELATIONSHIP GUIDE



TOTAL DYNAMIC HEAD



PVC True Union Ball Valves - Standard Series - PE/EPDM


PVC TRUE UNION
Threaded and socket
 Seats: HDPE
 O-rings: EPDM
 240 psi @ 73°F



Size	Reference	psi	Pack	Weight (lb)	Q	Code
1/2"	05 60 801 D	240	B	8.58	20 (10)	21997
3/4"	05 60 802 D	240	B	7.48	10 (5)	21998
1"	05 60 803 D	240	B	8.16	8	21999
1 1/4"	05 60 804 D	240	B	12.20	5	22000
1 1/2"	05 60 805 D	240	C	15.51	6	22001
2"	05 60 806 D	240	D	24.32	8	22002



PVC TRUE UNION¹
 Seats: HDPE
 O-rings: EPDM
 150 psi @ 73°F

THREADED

Size	Reference	psi	Pack	Weight (lb)	Q	Code
2 1/2"	05 60 807	150	D	25.30	4 (1)	07095
3"	05 60 808	150	D	20.55	2 (1)	07096
4"	05 60 811	150	D	19.58	1	22067

SOCKET

Size	Reference	psi	Pack	Weight (lb)	Q	Code
2 1/2"	05 60 907 MA	150	D	24.64	4 (1)	06620
3"	05 60 908 MA	150	D	20.28	2 (1)	07088
4"	05 60 911 MA	150	D	17.75	1	22068

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.