

TRU-QIC™ True Union Ball Valves

1/2" to 4" - PVC



Features

- Reliable/ Dependable
- Light-to-Moderate Duty Applications
- 150 psi @70°F Non-Shock
- True Union, Full Port Design
- Viton® or EPDM Seals
- PTFE Seats

Viton® is a trademark of DuPont Dow Elastomers

Applications

Hayward's new TRU-QIC ball valves are a perfect choice when reliable True Union ball valves are required. Designed for industrial and commercial use, these ball valves will provide years of dependable service in light-to-moderate duty applications.

True Union Design

The True Union design means quick and easy maintenance. TRU-QIC ball valves may be removed from the piping system in minutes without breaking connections. Simply unscrew the assembly nuts and lift the valve body from the line.

Design Features

Full port design permits maximum flow. PTFE seats ensure tight shutoff and years of reliable performance. Blowout-proof stems limit the possibility of leakage. A 150 psi body pressure rating at 70° F non-shock is standard.

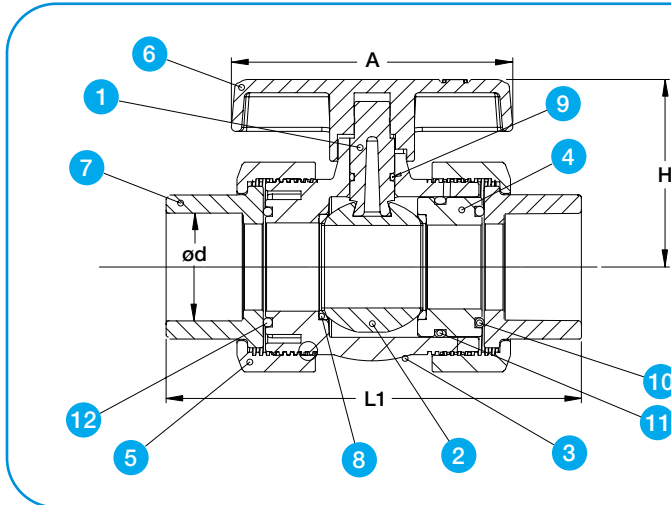
Viton® or EPDM Seals

All Hayward TRU-QIC ball valves are offered with your choice of Viton® or EPDM seals.

Will Not Rust or Corrode

All-plastic construction ensures these valves will not fail, stick or jam because of rusted or corroded parts. TRU-QIC series ball valves will work in environments where metal valves must be painted or coated to survive.

Technical Information



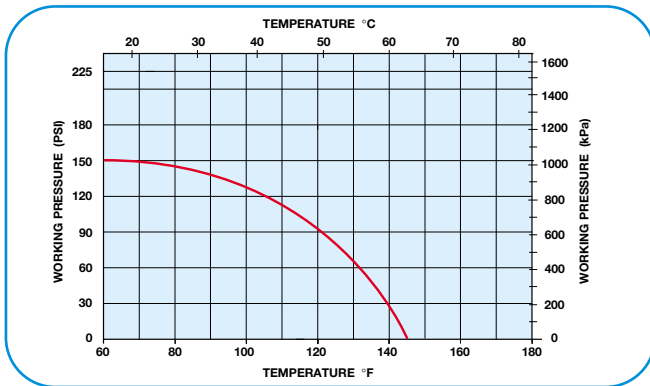
Parts List / Materials Value-Priced True Union Valves

Item	Part Desc.	Pieces	Materials Available
1.	Stem	1	PVC
2.	Ball	1	PVC
3.	Body	1	PVC
4.	Seat carrier	1	PVC
5.	Union nut	2	PVC
6.	Handle	1	PVC
7.	End connector	2	PVC
8.	Seal	2	PTFE
9.	Stem o-ring	1	EPDM or Viton®
10.	Seat carrier o-ring	1	EPDM or Viton®
11.	Body o-ring	1	EPDM or Viton®
12.	Solid end o-ring	1	EPDM or Viton®

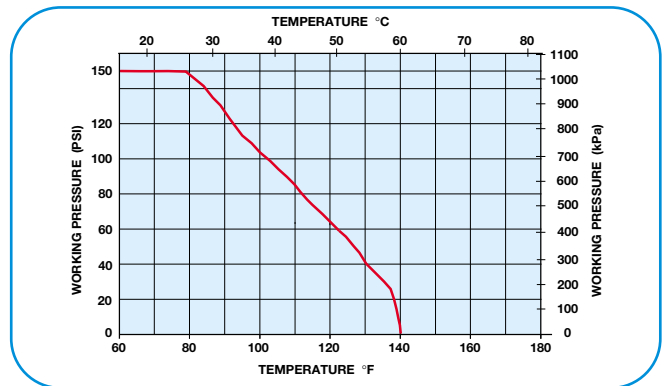
Dimensions - Inches / Millimeters

Size	ød		L1 Skt/Thd	A	H
	Socket	Thread			
1/2 / 15	0.840 / 20	1/2 NPT / R 1/2	4.53 / 115	2.60 / 66	2.01 / 171
3/4 / 20	1.050 / 25	3/4 NPT / R 3/4	4.92 / 125	2.95 / 75	2.56 / 181
1 / 25	1.315 / 32	1 NPT / R 1	5.35 / 136	3.35 / 85	2.80 / 203
1-1/4 / 32	1.660 / 40	1-1/4 NPT / R 1-1/4	7.01 / 178	4.29 / 109	3.39 / 233
1-1/2 / 40	1.900 / 50	1-1/2 NPT / R 1-1/2	7.01 / 178	4.29 / 109	3.39 / 249
2 / 50	2.375 / 63	2 NPT / R 2	7.80 / 198	5.28 / 134	4.09 / 289
2-1/2 / 65	2.875 / 75	2-1/2 NPT / R 2-1/2	8.82 / 224	7.48 / 190	5.51 / 365
3 / 80	3.500 / 90	3 NPT / R 3	10.87 / 276	9.06 / 230	6.50 / 367
4 / 100	4.500 / 110	4 NPT / R 4	14.25 / 362	10.79 / 274	6.77 / 435

Operating Temperature/Pressure 1/2" - 2-1/2" Sizes



Operating Temperature/Pressure 3" and 4" Sizes



Cv Factors

Size	Factor	Size	Factor
1/2"	8.0	2"	150
3/4"	16.0	2-1/2"	340
1"	29.0	3"	490
1-1/4"	75.0	4"	600
1-1/2"	90.0		

Pressure Loss Calculation Formula

$$P = \left[\frac{Q}{Cv} \right]^2$$

P = Pressure Drop
Q = Flow in GPM
Cv = Flow Coefficient



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