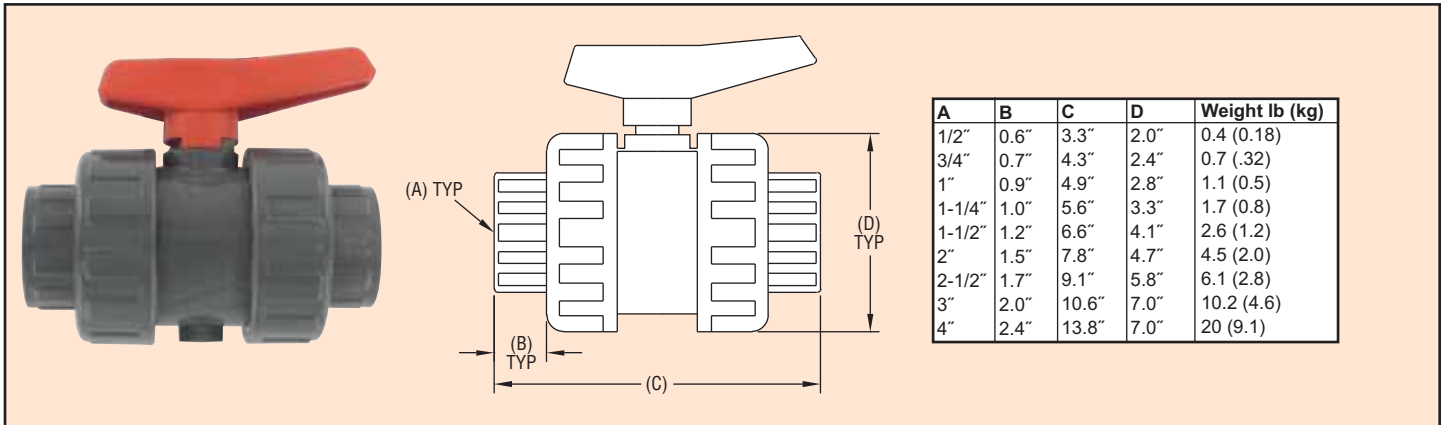




Series  
TBV

# True Union Ball Valve

PVC Construction, Economical, Full Port



A	B	C	D	Weight lb (kg)
1/2"	0.6"	3.3"	2.0"	0.4 (0.18)
3/4"	0.7"	4.3"	2.4"	0.7 (.32)
1"	0.9"	4.9"	2.8"	1.1 (0.5)
1-1/4"	1.0"	5.6"	3.3"	1.7 (0.8)
1-1/2"	1.2"	6.6"	4.1"	2.6 (1.2)
2"	1.5"	7.8"	4.7"	4.5 (2.0)
2-1/2"	1.7"	9.1"	5.8"	6.1 (2.8)
3"	2.0"	10.6"	7.0"	10.2 (4.6)
4"	2.4"	13.8"	7.0"	20 (9.1)

The Series TBV True Union Ball Valves are an economical, PVC constructed ball valve ideal for chemical and wastewater applications. The true union design allows for easy removal from a piping system without breaking down piping connections. The valve body can be lifted out of the line by unscrewing two assembly nuts. Series TBV ball valves feature a double o-ring stem seal for twice the leakage protection of valves with only a single stem seal. All plastic construction gives this series of ball valves superior corrosion resistance. Full port design provides maximum Cv with minimal pressure drop.

## FEATURES

- Ideal corrosion resistant ball valve for chemical and wastewater applications.
- Easy to service.
- Double stem seals.
- Low operating torque.

## SPECIFICATIONS

**Service:** Compatible liquids.

**Line Size:** 1/2" to 4".

**Process Connections:** Socket or female NPT.

**Pressure Limits:**

1/2" to 2": 240 psi (16.5 bar).

2-1/2" to 4": 150 psi (10.3 bar).

**Wetted Materials:** Ball, Stem, End Connector, Body Connector O-Ring, Seal Carrier: PVC; Stem O-Ring, Body O-Ring, Dampener Seal, End: EPDM; Seat: HDPE.

**Temperature Limits:** 32 to 110°F (0 to 43°C).

**Other Materials:** Handle: PP; Union Nut: PVC.

**Agency Approvals:** Meets NSF.

Size	Cv	Model	Connection
1/2"	7	TBV-1102D	Socket/Threaded
3/4"	18	TBV-1103D	Socket/Threaded
1"	32	TBV-1104D	Socket/Threaded
1-1/4"	114	TBV-1105D	Socket/Threaded
1-1/2"	203	TBV-1106D	Socket/Threaded
2"	243	TBV-1107D	Socket/Threaded
2-1/2"	292	TBV-1108T	Threaded
2-1/2"	292	TBV-1108S	Socket
3"	441	TBV-1109T	Threaded
3"	441	TBV-1109S	Socket
4"	476	TBV-1110T	Threaded
4"	476	TBV-1110S	Socket