



Three-Way Ball Valves

1/2" to 6" - PVC, Corzan® CPVC



Features

- Flow Direction Indicator
- Integrally Molded Bottom Port
- PTFE Seats
- Viton® Seals
- Full Port Design

Options

- Valve Safe Lockout
- Electric Actuators
- Pneumatic Actuators

Corzan® is a trademark of BF Goodrich Company
Viton® is a trademark of DuPont Dow Elastomers

One Valve - Two Flow Patterns

Hayward Three-Way Ball Valves are used to divert flow in process piping systems. The valves incorporate a unique design that permits them to be used for two completely different flow patterns.

Single Inlet Port Installation

With this flow pattern the valves can be installed so that the bottom port is the common, or inlet, port. The flow can be diverted 180 degrees, left or right, with a Center Off position.

Dual Inlet Port Installation.

For this flow pattern the valves are installed so that the bottom port is the outlet and the left and right ports are inlets. A 180° turn of the handle diverts the flow from the left or right port to the common bottom outlet port. There is also a Center Off position.

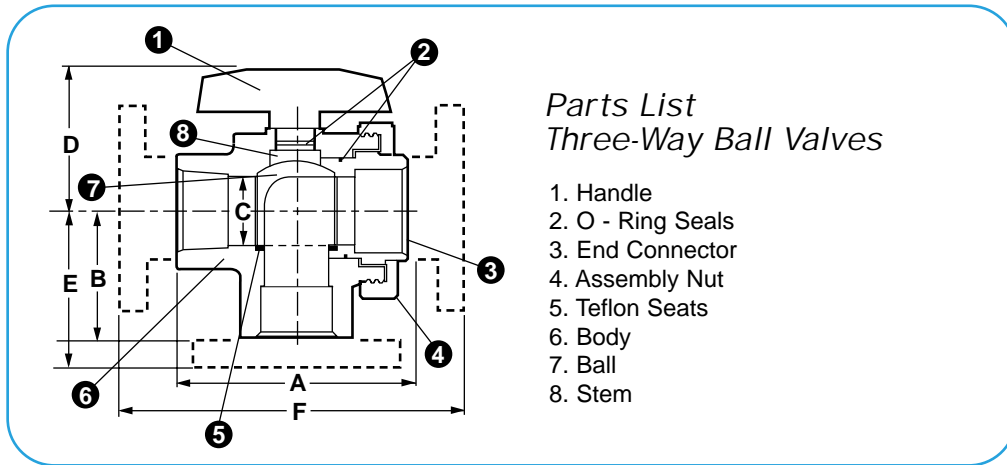
Single Union Design

This rugged, proven design incorporates a single, one-piece body. There are no fabricated joints to leak or fail.

No Metal...No Corrosion

Hayward all-plastic Three-Way valves contain no metal parts. The valves will never fail because of corrosion and they do not require painting or epoxy coating to stand up to aggressive environments.

Technical Information



Parts List Three-Way Ball Valves

1. Handle
2. O - Ring Seals
3. End Connector
4. Assembly Nut
5. Teflon Seats
6. Body
7. Ball
8. Stem

Dimensions - Inches / Millimeters

Size	A	B	C	D	E	F	Weight - lb / kg	
							Skt/Thd	Flanged
1/2"	3.28 / 83	1.75 / 44	0.50 / 13	1.88 / 48	2.75 / 70	5.50 / 140	0.50 / .23	1.00 / .45
3/4"	3.75 / 95	1.80 / 46	0.75 / 19	2.00 / 51	3.13 / 80	6.00 / 152	0.75 / .34	1.38 / .63
1"	4.38 / 111	2.25 / 57	1.00 / 25	2.63 / 67	3.63 / 92	7.00 / 178	1.13 / .51	2.00 / .91
1-1/2"	5.38 / 137	2.88 / 73	1.50 / 38	3.00 / 76	4.38 / 111	8.38 / 213	2.00 / .91	3.25 / 1.48
2"	6.44 / 164	3.25 / 83	2.00 / 51	3.63 / 92	5.00 / 127	9.75 / 248	3.50 / 1.59	5.50 / 2.50
3"	8.75 / 222	4.56 / 116	3.00 / 76	5.50 / 140	6.63 / 168	12.63 / 321	9.00 / 4.09	15.00 / 6.82
4"	10.50 / 267	5.56 / 141	4.00 / 102	6.50 / 165	8.06 / 205	15.38 / 391	14.50 / 6.59	25.30 / 11.50
6"	N/A	N/A	4.00 / 102	6.50 / 165	8.88 / 226	17.25 / 438	N/A	34.30 / 15.59

Cv Factors

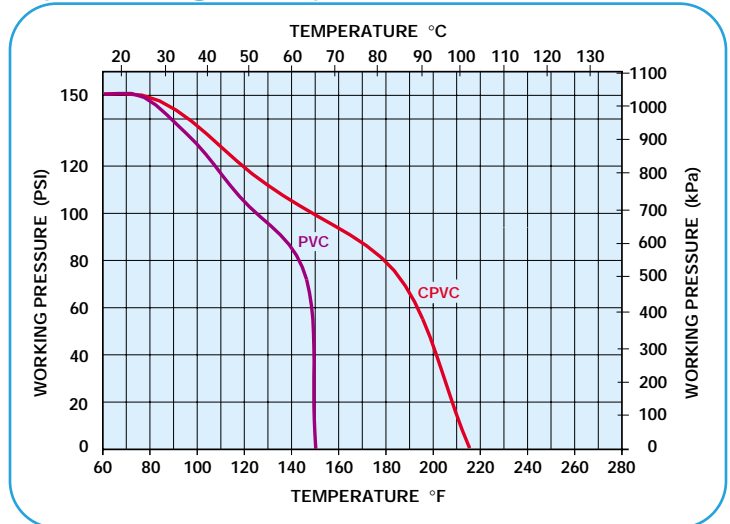
Size	Factor	Size	Factor
1/2"	3.0	2"	58
3/4"	7.0	3"	190
1"	12	4"	450
1-1/2"	30	6"	340

Pressure Loss Calculation Formula

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

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

Operating Temperature/Pressure



Selection Chart

Size	Material	End Conn.	Seals	Pressure Rating
1/2" - 4"	PVC/CPVC	Socket, Threaded, Flanged	Viton®	150psi @ 70F
6"*	PVC/CPVC	Flanged	Viton®	Non-Shock

* 4" Valve venturied to 6"



HAYWARD®

Hayward Industrial Products, Inc.

One Hayward Industrial Drive, Clemmons, NC 27012
Tel: 1-888-429-4635 (1-888-HAYINDL) • Fax: 1-888-778-8410
E-mail: industrial@haywardnet.com
Web Site: <http://www.haywardindustrial.com>

Hayward Industrial Products Canada Inc.

2880 Plymouth Drive, Oakville, Ontario L6H 5R4
Tel: 905 829-2880 • Fax: 905 829-3636

Hayward Industrial Products (UK) Ltd.

Unit 2, Crowngate, Wyncolls Road, Colchester, Essex CO4 4HT
Tel: 441-206-854454 • Fax: 441-206-851240