



Three-Way Lateral Ball Valves

1/2" to 6" - PVC & Corzan® CPVC



Lateral Flow Patterns

Hayward Lateral Valves come standard with a ball that permits the flow to be diverted from the center port to either the left or right ports: there is no Off position.

Solid Actuator Mounting Design

For rock-solid actuator mounting, the valve incorporates a unique design whereby the mounting bracket mounts directly to the valve body. This assures proper alignment of the actuator to the valve without creating any damaging side loads to cause premature stem seal failure.

No Metal, No Corrosion

Hayward all-plastic Lateral 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.

Features

- Simplifies Lateral Connections
- Replaces Valve/Tee Connection Combinations
- Quick, Easy to Install
- True Union End Connections
- Replacement for Zero Dead-leg Valves
- PTFE Seats, FPM Seals

Options

- Valve Safe Lockout
- EPDM Seals



Technical Information

Parts List - Three-Way Lateral Valves

1. Handle
2. Assembly Nut
3. End Connector

Dimensions - Inches / Millimeters

Valve Size	A	B	C	E	F	G	H
1/2"	2.25 / 57.15	2.30 / 58.42	3.29 / 83.57	3.50 / 96.52	3.87 / 98.3	6.72 / 170.69	1.70 / 43.18
3/4"	2.63 / 66.8	2.56 / 65.02	3.57 / 90.68	3.50 / 96.52	4.60 / 116.84	7.50 / 190.5	2.93 / 74.42
1"	3.00 / 76.2	2.98 / 75.69	4.14 / 105.16	4.00 / 101.6	4.77 / 121.16	8.50 / 215.9	3.23 / 82.04
1-1/4"	4.75 / 120.65	4.39 / 111.51	5.94 / 150.88	4.00 / 101.6	5.19 / 131.83	11.54 / 293.12	4.19 / 106.43
1-1/2"	4.75 / 120.65	4.30 / 109.22	5.87 / 149.10	4.00 / 101.6	6.00 / 152.4	11.85 / 300.99	4.19 / 106.43
2"	4.75 / 120.65	4.38 / 111.25	6.00 / 152.40	5.00 / 127	6.75 / 171.45	12.25 / 311.15	4.19 / 106.43
2-1/2"	6.40 / 162.56	5.90 / 149.86	7.59 / 192.79	10.50 / 266.7	8.68 / 220.47	15.92 / 404.37	5.35 / 135.89
3"	6.40 / 162.56	5.90 / 149.86	7.59 / 192.79	10.50 / 266.7	8.72 / 221.49	16.00 / 406.4	5.35 / 135.89
4"	8.56 / 217.42	7.00 / 177.8	9.33 / 236.98	10.50 / 266.7	10.44 / 265.18	18.88 / 217.42	6.85 / 173.99
6"	8.56 / 217.42	n/a	n/a	10.50 / 266.7	11.25 / 285.75	20.25 / 514.35	6.85 / 173.99

Selection Chart

Size	Material	End Conn.	Seals	Pressure Rating
1/2"-4"	PVC/CPVC	Socket, Threaded or Flanged	FPM or EPDM	150 PSI @ 70°F
6"	PVC/CPVC	Flanged	FPM or EPDM	Non-Shock

* 4" Valve venturied to 6"

Cv Factors

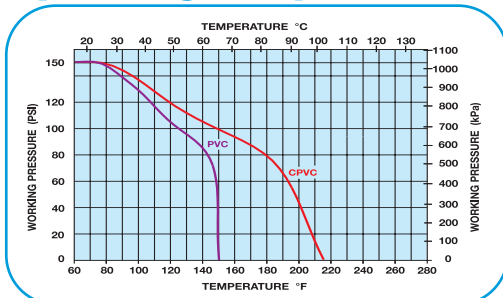
Size	Value	Size	Value
1/2"	3.0	2"	58
3/4"	7.0	3"	190
1"	10	4"	450
1-1/2"	30	6"	340

Pressure Loss Calculation Formula

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

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

Operating Temp/Pressure



Flow Schematics

Top View

Flow At	NT Ball - Standard	
0°	Port A	Port B Port C
90°	Port A	Port B Port C <small>Top drawing rotated 90° to left</small>
180°	Port A	Port B Port C <small>Top drawing rotated 180°</small>

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