



Y Check Valves

1/2" to 4" - PVC and Corzan® CPVC



CHECK VALVES

Backflow Prevention

Hayward Y Check Valves prevent reversal of flow in piping systems. They are ideal where backflow could potentially cause damage to pumps, filters or process equipment.

Reliable Operation

Hayward Y Check Valves operate without the need for any adjustments or settings. A plastic coil (not a spring) supports the disc inside the valve body. When the inlet flow stops, backpressure (a minimum of 2 PSI is required) moves the disc with its elastomer o-ring onto a plastic seat – shutting off the flow. The plastic coil reliably guides the disc onto the seat.

Easy Maintenance

Hayward Y Check Valves are easily serviced without disconnection from the piping system. Just remove the heavy-duty hex cap for quick access to the internal valve components.

No Corrosion Failures

Because of their all-plastic construction, these valves will never jam or stick because of rust or corrosion. Also they will not contaminate sensitive fluids that come into contact with them. And, they require no painting or coating to stand up to corrosive environments.

Features

- Full Flow Design
- All-Plastic Construction
- Easy Maintenance
- FPM Seals
- Work in Any Position

Options

- True Union Connections Available

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Technical Information

Parts List
Y Check Valves

1. O-Ring Seal
2. Hex Cap
3. Body
4. PVC Coil
5. Disc
6. O-Ring Disc Seal

Dimensions – Inches / Millimeters

Size	A	B	C	D	E	F	G	H	J	K	L	Weight (lb / kg)	
												Socket/Threaded	Flanged
1/2"	3.38 / 83	1.38 / 35	2.25 / 57	1.50 / 38	N/A	0.56 / 14	1.00 / 25	1.50 / 38	2.50 / 64	2.25 / 57	6.64 / 169	0.25 / 0.1	N/A
3/4"	4.18 / 106	1.69 / 43	2.88 / 73	2.00 / 51	N/A	0.81 / 21	1.25 / 32	1.75 / 44	3.00 / 76	2.63 / 67	7.42 / 188	0.63 / 0.29	N/A
1"	5.19 / 132	2.00 / 51	3.63 / 92	2.16 / 55	N/A	1.00 / 25	1.50 / 38	2.25 / 57	3.32 / 84	3.00 / 76	8.97 / 228	0.88 / 0.40	N/A
1-1/4"	6.63 / 168	2.63 / 67	4.50 / 114	2.94 / 75	N/A	1.25 / 32	2.00 / 51	3.00 / 76	4.45 / 113	4.75 / 120	13.01 / 330	1.75 / 0.80	N/A
1-1/2"	6.63 / 168	2.63 / 67	4.50 / 114	2.94 / 75	N/A	1.56 / 40	2.00 / 51	3.00 / 76	4.45 / 113	4.75 / 120	12.07 / 307	1.63 / .74	N/A
2"	7.63 / 194	3.38 / 86	5.38 / 137	3.75 / 95	11.00 / 279	2.00 / 51	2.38 / 60	3.25 / 83	4.88 / 124	4.75 / 120	13.05 / 331	3.00 / 1.36	5.00 / 2.2
2-1/2"	10.31 / 262	4.69 / 119	7.25 / 184	5.50 / 140	N/A	2.90 / 74	3.50 / 89	4.25 / 108	6.54 / 166	6.40 / 163	16.77 / 426	7.75 / 3.52	N/A
3"	10.31 / 262	4.69 / 119	7.25 / 184	5.50 / 140	14.37 / 365	2.90 / 74	3.50 / 89	4.25 / 108	6.54 / 166	6.40 / 163	16.77 / 426	7.50 / 3.41	12.50 / 5.68
4"	12.81 / 325	5.75 / 146	8.88 / 224	6.18 / 157	17.73 / 450	3.78 / 96	4.25 / 108	5.00 / 127	8.58 / 218	8.56 / 217	21.23 / 539	9.50 / 4.32	17.50 / 7.95

Selection Chart

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

Cv Factors

Size	Factor	Size	Factor
1/2"	0.8	2"	65
3/4"	3.0	2-1/2"	75
1"	9.0	3"	110
1-1/4"	26	4"	240
1-1/2"	45		

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

