All-Plastic Swing Check Valves

3", 4", 6" and 8" – PVC, PPL and Corzan® CPVC

Features

- Viton® or EPDM seals
- Flanged Connections
- Two Drain Ports
- Horizontal or Vertical Installation
- No flange gaskets required

Options

- Counterweight for Closing Assistance
- Limit Switch for Position Indication
- Spring Assist Closure

Corzan® CPVC is a trademark of Noveon, Inc.
Viton® is a trademark of DuPont Dow Elastomers

Twice The Temperature/Pressure Rating Of Other Plastic Swing Check Valves

Hayward swing check valves have up to twice the temperature/pressure rating of other plastic swing check valves…and can often replace metal valves in many applications. Compare the temperature/pressure rating of Hayward Swing Check Valves to others — and see the difference.

Unique Two-In-One Seat™ Design

Swing check valves are often used with slurries or other liquids that can damage the valve seat. A damaged seat in an ordinary swing check results in a useless, destroyed valve. But not with Hayward Swing Check Valves. They feature a unique *Two-In-One Seat* ™ design that doubles the valve's service life. The valve body is constructed from two identical halves. If one seat is damaged, simply re-position the clapper so that it seats against the other body seat. Then reverse the valve in the pipeline. The valve is again ready for service.

Built-In O-Ring Flange Seals

Hayward Swing Check Valves are furnished ready for installation with two built-in O-ring flange seals. There is no need to purchase additional, expensive flange gaskets.

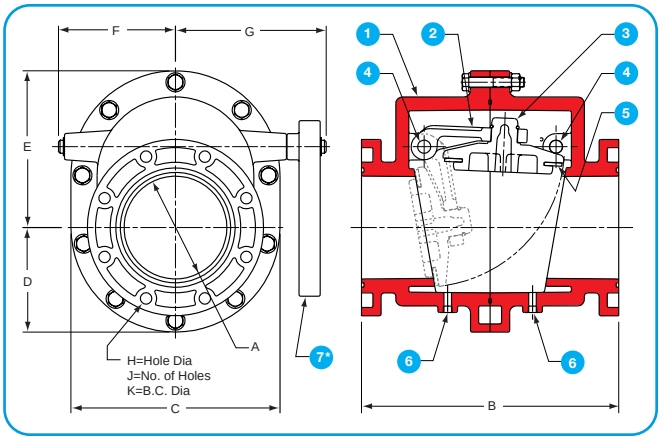
Self-Aligning Clapper Seal

Bubble-tight checking, with a minimum of only 3 psi back pressure, is assured with Hayward's rugged, self-aligning clapper seal design.

No Corrosion — Ever!

Because of their all-plastic construction, Hayward Swing Check Valves will never stick or jam as a result of rust or corrosion. And they can survive corrosive environments and harsh weather conditions, places where a metal check valve has to be painted or epoxy-coated just to survive.

Technical Information



Parts List

1. Body
2. Swing Arm
3. Clapper
4. Shaft*
5. Seal
6. Drain Plug (2)
7. Counter Weight (Optional)

**PVC with PVC valves*
PVDF with PPL valves
CPVC with CPVC valves

Selection Chart

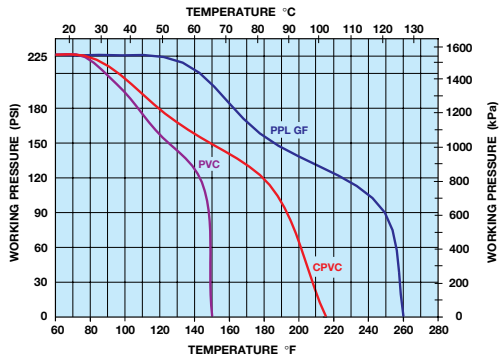
Sizes	Material	End Conn.	Seals	Pressure Rating
3" and 4"	PVC, Glass Reinforced PPL or CPVC	Flanged	Viton or EPDM	225 psi @ 70F
6" and 8"				150 psi @ 70F

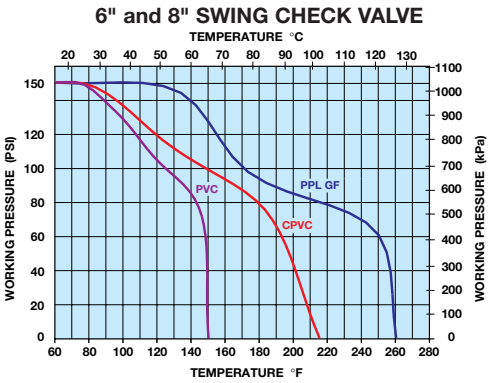
Dimensions - Inches / Millimeters

Size	A	B	C	D	E	F	G	H	J	K	Minimum Back Pressure To Close - PSI	Weight (lb / kg)
Inches/Millimeters												
3 / 75	3.00 / 76	10.24 / 260	7.50 / 190	3.75 / 95	5.21 / 132	3.90 / 99	4.91 / 48	0.625 / M16	4	6.00 / 150	3	10 / 4.5
4 / 100	3.90 / 99	11.81 / 300	9.25 / 235	4.63 / 117	6.75 / 171	4.80 / 122	6.15 / 156	0.625 / M16	8	7.50 / 180	3	21 / 9.5
6 / 150	5.91 / 150	15.75 / 400	12.75 / 323	6.38 / 162	9.25 / 235	6.47 / 164	8.30 / 210	0.75 / M20	8	9.50 / 240	3	47 / 21.4
8 / 200	7.87 / 199	19.69 / 500	16.00 / 406	8.00 / 203	12.00 / 304	8.96 / 227	11.54 / 293	0.75 / M20	8	11.75 / 295	3	90 / 41.0

DIN metric flange standard

Operating Temperature/Pressure





Cv Factors

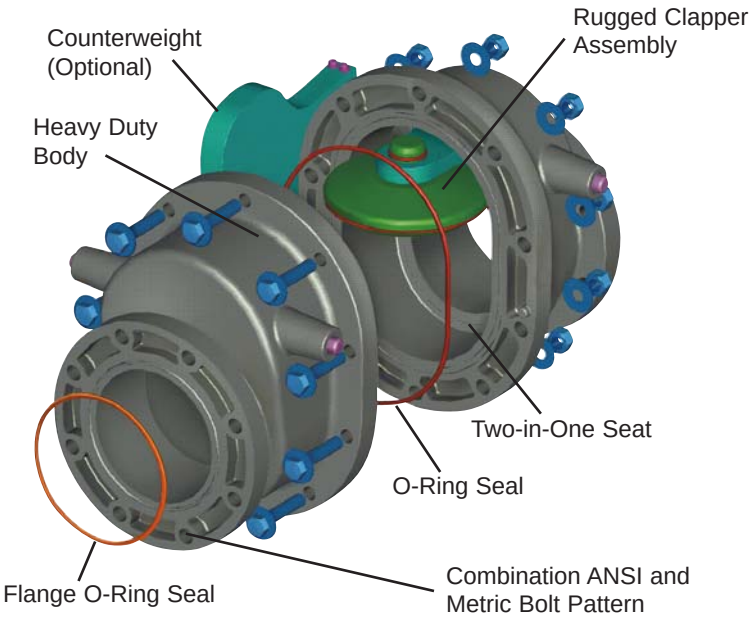
Valve Size	Factor
3"	328
4"	514
6"	1278
8"	2549

Pressure Loss Calculation Formula

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

ΔP = Pressure drop
Q = Flow in GPM
Cv = Flow coefficient

Features



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