

Swing Check Valves

SWING CHECK VALVES



**80mm to 200mm
(3" to 8") – PVC
Corzan® PVC and PPL**

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. Now the valve is again ready for service.

Features

- * High Temperature/Pressure Ratings
- * Patent-Pending Two-in-One Seat Design
- * Built-in Flange Seals
- * Two Drain Ports
- * Self-Aligning Clapper Seal
- * Two Year Warranty

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 replace metal valves in many applications. Compare the temperature/pressure rating of Hayward Swing Check Valves to others and see the difference.

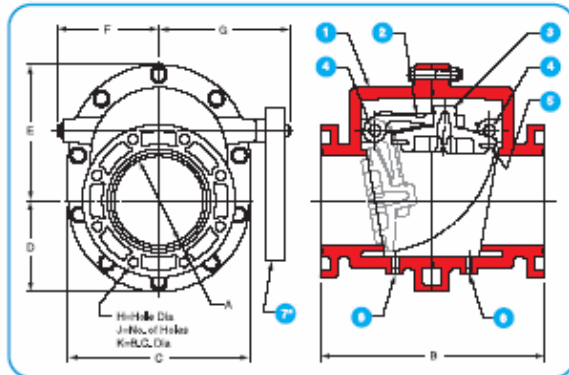
Self-Aligning Clapper Seal: Bubble tight checking, with a minimum of only 3 PSI back pressure, is assured with Hayward's rugged, self-aligning clapper seal design.

No Corrosion: 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.

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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

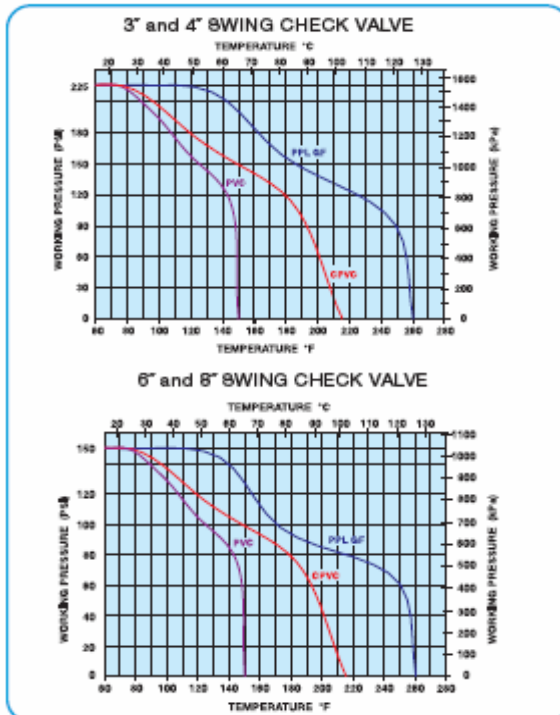
Sizes	Material	End Conn.	Seals	Pressure Rating
3" and 4"	PVC, Glass Reinforced PPL or CPVC	Flanged	Viton* or EPDM	225 PSI @ 70°F
6" and 8"				150 PSI @ 70°F

Dimensions - Inches / Millimeters

Size	A	B	C	D	E	F	G	H	J	K	Minimum Back Pressure To Close - PSI	Weight (lb / kg)
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

