

MODEL PV-NSCV

NON - SLAM CHECK VALVE

FEATURES



- **Simple Proven Design**
- **Non-Slam Operation**
- **Drip Tight Shut off**
- **Easy to Install and Maintain**

The Non-Slam Check Valve is a hydraulically operated Non-Slam Check Valve. This valve opens when the pressure at the inlet exceeds the discharge pressure. A gradual rate of opening prevents sudden opening surges. When a pressure reversal occurs the higher downstream pressure is applied to the cover chamber through the control tube lines, and the valve closes drip tight.

The valve is ideally suited for use where a positive shutoff is required. The rubber disk assures tight sealing even if the fluid contains grit or other small-size particles.

SPECIFICATION

Size : 2"~20" , Flange ANSI Class 150#

2" , Threaded PF

Working Pressure : 250 psi

Working Temperature : 32°F~175°F , Water

MATERIAL

Main Valve : Ductile Iron

Stem, Spring : Stainless Steel

Nuts, bolts and screws : Stainless Steel

Diaphragm : Buna-N / EPDM

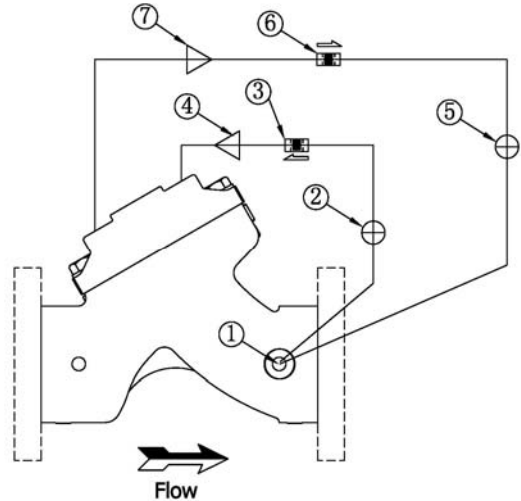
Sleeve, Pilot Tubes : Brass

※Other size & materials upon your request.

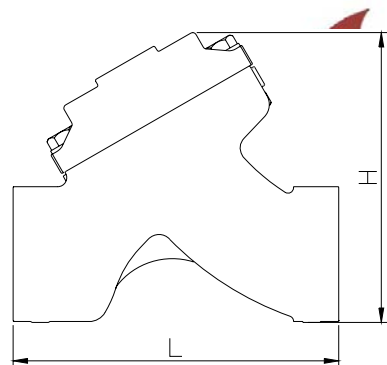
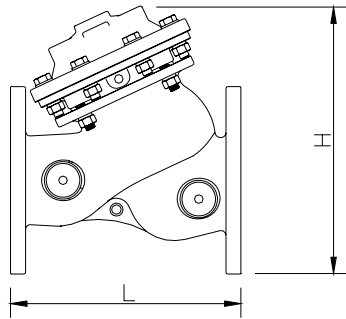
DESCRIPTION

ITEM	DESCRIPTION
1	STRAINER
2	BALL VALVE
3	CHECK VALVE
4	NEEDLE VALVE (CLOSE)
5	BALL VALVE
6	CHECK VALVE
7	NEEDLE VALVE (OPEN)

PILOT CIRCUIT



DIMENSION



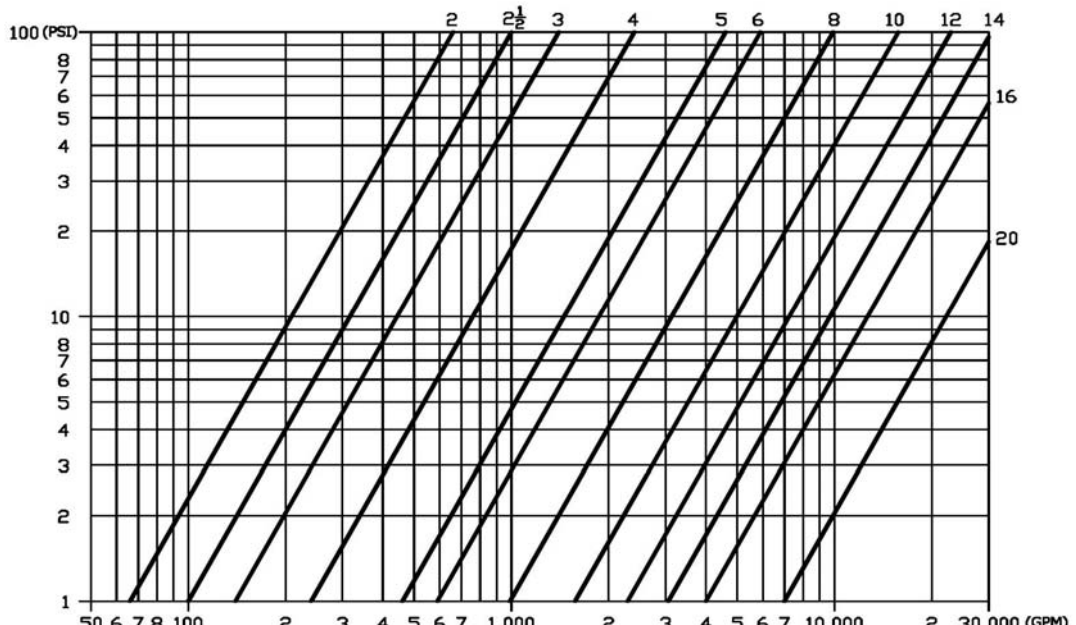
Environmental Co.

2"~20", Flange 150#ANSI

2", Threaded PF

SIZE	2"Tr.	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	20"
L (inch)	7 9/32"	8 11/16"	8 11/16"	10"	12 5/8"	14 9/16"	16 3/8"	19 5/8"	23 7/8"	28 9/16"	28 7/8"	39"	43 5/16"
H (inch)	6 5/16"	8 11/16"	10"	12"	15"	16 5/32"	19 5/8"	22 7/8"	28 3/8"	32 1/4"	33 3/16"	43 1/8"	52 3/4"
Weight (lbs)	14	22	29	49	82	102	165	275	478	815	840	1860	2290
Max. Flow Rate(gpm)	260	260	370	580	990	1760	2250	3900	6150	8700	10320	13680	21100

PRESSURE DROP DIAGRAM





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