

SIZES

GLOBE/ANGLE

Flanged Ends 3" - 8"

SPRING RANGES (suction setting)
5 - 30 psi

MAX. PRESSURE

ANSI Class 150, 250 psi

ANSI Class 300, 450 psi

ANSI Class 300 inlet x 150 outlet, 250psi

TEMPERATURE RANGE

 (Buna-N

Elastomers)

32° F - 180°F

MATERIALS

Body/Bonnet -

Ductile Iron ASTM A536

-epoxy coated (standard)

Cast Steel ASTM A216 WCB

-epoxy coated

Stainless Steel ASTM A743 CF8M

Nickel-aluminum Bronze ASTM B148

Alloy C95800

Seat Ring -

Bronze B61 (standard)

Stainless Steel ASTM A743CF8M

(optional)

Nickel - aluminum Bronze ASTM B148

Alloy C95800 (optional)

Stem -

Stainless Steel (standard)

Monel (optional)

Spring - Stainless Steel

Diaphragm - Nylon Reinforced Buna-N

Seat Disc - Buna-N

Pilot -

Cast Bronze B61 (standard)

Stainless Steel ASTM A743CF8M

(optional)

Nickel - aluminum Bronze ASTM B148

Alloy C95800 (optional)

Tubing/Fittings -

Copper/brass (standard)

Stainless Steel (optional)

SPECIFICATIONS

DESIGN

The valve shall be a single-seated, line pressure operated, diaphragm actuated, pilot controlled globe or angle valve. The valve shall seal by means of a corrosion-resistant seat and resilient, rectangular seat disc. These and other parts shall be replaceable without removing the valve from the line. The stem of the main valve shall be guided top and bottom by integral bushings. Alignment of the body, bonnet and diaphragm assembly shall be by precision dowel pins. The diaphragm shall not be used as a seating surface, nor shall pistons be used as an operating means. The pilot system shall be furnished complete and installed on the main valve, and shall include an opening speed control and a Y-strainer. The valve shall be operationally and hydrostatically tested prior to shipment.

MATERIALS OF CONSTRUCTION

The main valve body and bonnet shall be ductile iron per ASTM A536, Grade 65-45-12 (or other materials refer to MATERIALS). All internal ferrous surfaces shall be coated with 4 mils of epoxy. External surfaces shall be coated with 4 mils of epoxy followed by a coat of enamel paint. The main valve seat ring shall be bronze per ASTM B61 (or other materials refer to MATERIALS). Elastomers (diaphragms, resilient seats, and O-rings) shall be Buna-N. Control pilot shall be ASTM B61 bronze (or other materials refer to MATERIALS). The opening speed control shall be brass/stainless steel and control line tubing shall be copper (or other materials refer to MATERIALS).

OPERATING CONDITIONS

The fire pump suction control valves shall be suitable for sustaining suction pressures of 5 - 30 psi. ACCEPTABLE PRODUCTS

The fire pump suction pressure control valve shall be a Model 108FPS, Factory Mutual Approved, <globe pattern, angle pattern>, with <150# flanged, 300# flanged> end connections, as manufactured by OCV Control Valves, Tulsa, OK, USA.

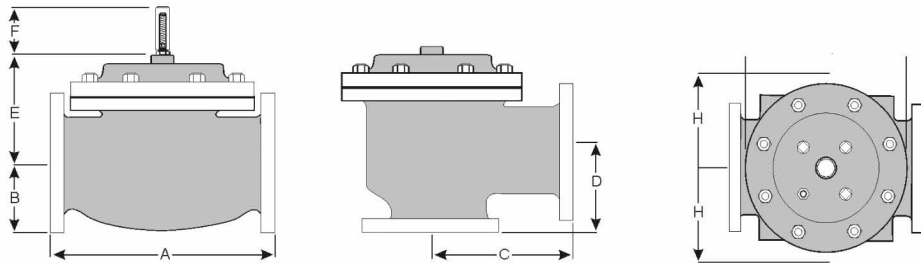
U.S. DIMENSIONS - INCHES

DIM	END CONN.	3	4	6	8
A	150# FLGD	12	15	17 3/4	25 3/8
	300# FLGD	12 3/4	15 5/8	18 5/8	26 3/8
B	150# FLGD	3 3/4	4 1/2	5 1/2	6 3/4
	300# FLGD	4 1/8	5	6 1/4	7 1/2
C	150# FLGD	6	7 1/2	10	12 11/16
ANGLE	300# FLGD	6 3/8	7 13/16	10 1/2	13 3/16
D	150# FLGD	4	5 1/2	6	8
ANGLE	300# FLGD	4 3/8	5 13/16	6 1/2	8 1/2
E	ALL	6 1/2	8	10	11 7/8
F	ALL	3 7/8	3 7/8	3 7/8	6 3/8
H	ALL	11	12	13	14

METRIC DIMENSIONS - M.M.

DIM	END CONN.	DN80	DN100	DN150	DN200
A	150# FLGD	305	381	451	645
	300# FLGD	324	397	473	670
B	150# FLGD	95	114	140	171
	300# FLGD	105	127	159	191
C	150# FLGD	152	191	254	322
ANGLE	300# FLGD	162	198	267	335
D	150# FLGD	102	140	152	203
ANGLE	300# FLGD	111	148	165	216
E	ALL	165	203	254	302
F	ALL	98	98	98	162
H	ALL	279	305	330	356

For maximum efficiency, the OCV control valve should be mounted in a piping system so that the valve bonnet (cover) is in the top position. Other positions are acceptable but may not allow the valve to function to its fullest and safest potential. In particular, please consult the factory before installing 8" and larger valves, or any valves with a limit switch, in positions other than described. Space should be taken into consideration when mounting valves and their pilot systems.



A routine inspection & maintenance program should be established and conducted yearly by a qualified technician. Consult our factory @ **1-888-628-8258** for parts and service.

How to order your valve

When Ordering please provide:

Series Number - Valve size - Globe or Angle -

Pressure Class - Flanged - Trim Material -

Adjustment Range - Pilot Options - Special

needs / or installation

requirements.

**QUALITY SYSTEM
REGISTERED TO
ISO 9001**

Represented by: