iPolymer | Drain Valve

Drain Valve

The iPolymer Drain Valve (DV) is a large orifice valve capable of handling large volumes of corrosive fluids via an all nonmetallic wetted surface. For cost efficiency this valve is fabricated from PVC or Polypropylene. However, it is available in PVDF or PTFE, with FKM (Viton Eq.) O-rings. This valve is also available in 2, 3 and 4 way configurations with each port operating independently. The "DV" can be operated either by air to open/air to close or by spring return. Either operating method can be specified in the ordering format. Custom configurations available.

Specifications

Inlet Media Pressure	20
Media Temperature - PVC	140ºF/60ºC
Media Temperature - Polypropylene	160ºF/70ºC
Media Temperature - PVDF	212ºF/100ºC
Media Temperature - PTFE	284ºF/140ºC (consult factory)
Actuation Pressure (psi)	45 - 60
O-Ring Material	FFKM (Kalrez® Eq.)

Applications

Primarily used for quick draining and filling of process tanks which contain mild solutions or DI water. For hard to handle media the "DV" valve, machined from PVDF or PTFE, is the perfect solution.

Ordering Format

DV - 2 - PVC - 16 - C - EP
0 1 2 3 4 5

0. Valve Series
DV = Drain Valves

1. Valve Configuration
2 = 2-Way (1 actuator)
3 = 3-Way (2 actuator)
4 = 4-Way (3 actuator)

2. Material of Construction
PVC = Polyvinyl Chloride
POL = Polypropylene
PVDF = Polyvinylidene Fluoride
PTFE = Polytetrafluoroethylene

3. Port & Orifice Size
12 = 3/4"
16 = 1"
24 = 1 1/2"
32 = 2"

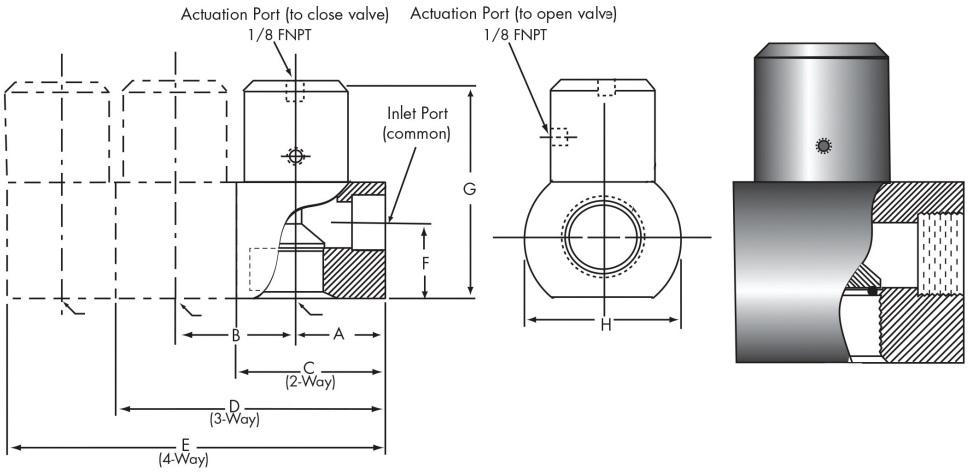
4. Porting Configuration
C = Spring to Close, Air to Open
O = Spring to Open, Air to Close
A = Air to open, Air to Close

5. O-Ring Type
VT = FKM (Viton Eq.)

4-WAY example:
COA = (C=Port 1, O=Port 2,A=Port 3) shown upper left corner

3-WAY example:
CO = (C=Port 1, O=Port 2) shown upper left corner

Dimensions



Port Size	A	B	C	D	E	F	G	H Dia
3/4"	2.16	2.56	3.50	6.07	8.63	1.88	5.43	4.00
1"	2.16	2.56	3.50	6.07	8.63	1.88	5.43	4.00
1-1/2"	2.31	3.07	3.88	6.88	9.88	1.97	5.97	4.00
2"	3.00	3.50	4.81	8.31	11.81	2.37	7.70	5.00