

The iPolymer Drain Valve (DV) is a large orifice valve capable of handling large volumes of corrosive fluids via an all non-metallic wetted surface. For cost efficiency this valve is fabricated from PVC or Polypropylene. However, it is available in PVDF or PTFE, with Kalrez 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.

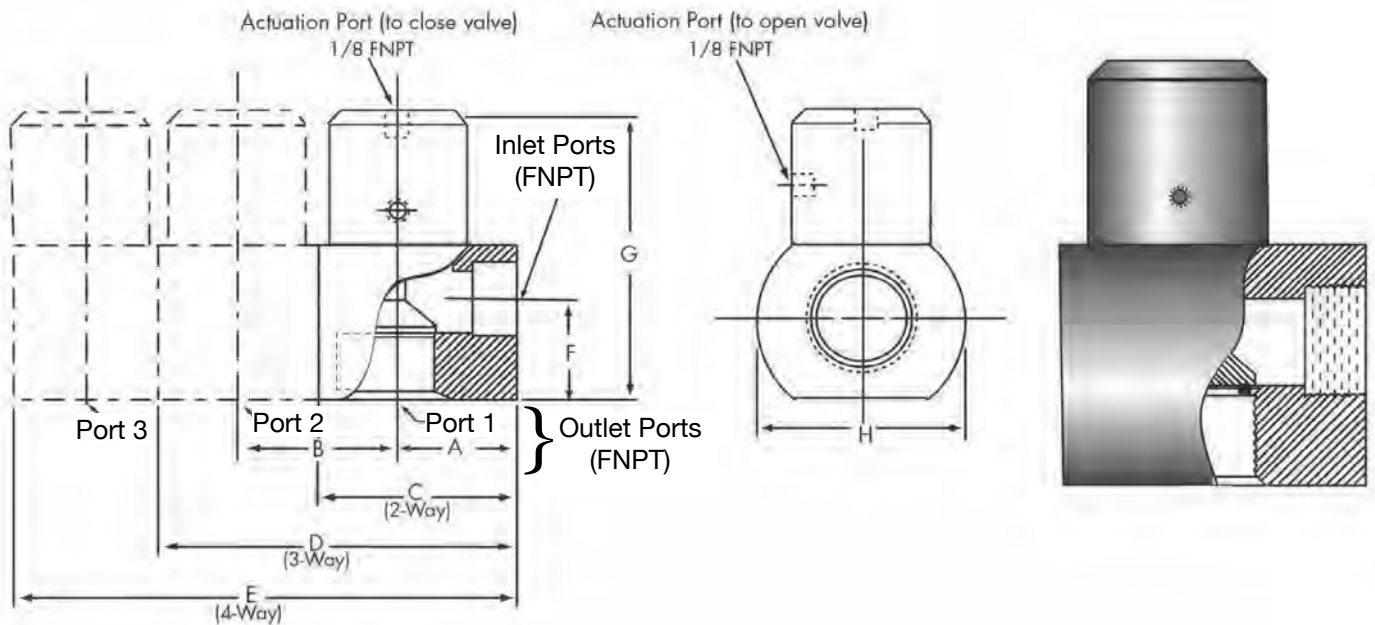


Applications

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.

Specifications:

Inlet Media Pressure	20 psi
Media Temperature	
PVC	140°F/60°C
Polypropylene	160°F/70°C
PVDF	212°F/100°C
PTFE	284°F/140°C (<i>consult factory</i>)
Actuation Pressure	45 - 60 psi
O-Ring Material	Ethylene Propylene (<i>standard</i>) Viton or Kalrez® FFKM equiv.



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
1.5"	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

Drain Valve: ORDERING FORMAT

DV 2 - PVC - 16 - C - EP

Drain Valve

Valve Configuration

2 = 2 Way (1 actuator)
 3 = 3 Way (2 actuator)
 4 = 4 Way (3 actuator)

Material of Construction

PVC = Polyvinyl Chloride
 POL = Polypropylene
 PVDF = Polyvinylidene Fluoride
 PTFE = Polytetrafluoroethylene

Port & Orifice Size

12 = 3/4"
 16 = 1"
 24 = 1 1/2"
 32 = 2"

O-Ring Type

EP = Ethylene Propylene
 VT = FKM (Viton Eq.)
 KA = FFKM (Kalrez Eq.)

Porting Configuration

C = Spring to Close, Air to Open
 O = Spring to Open, Air to Close
 A = Air to open, Air to Close

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

iPolymer Product Notes:

1. Please email Customer Service at info@ipolymer.com
2. Call us for special applications. We can manufacture our Valves with special mounting and interface dimensions.
3. Upon request, alternate material selection from those listed will allow for expanding temperature ratings or other performance characteristics.
4. Unauthorized disassembly of this product will void the original factory one-year product warranty. For further details please contact your local Distributor or our factory directly.

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