



DELCO

Making Your Products Possible

Order Information

Technical Specifications

Valve body material	ASTM A479 316L SS Barstock				
Valve body interior finish	20 Ra microinch. Electropolished				
Diaphragm material	Machined PTFE virgin Teflon® EPDM and silicone also available				
Valve port sizes	1/4", 1/2", 3/4", 1", 1 1/2", 2"				
Connection types	Standard sanitary orbital weld, butt weld, or custom ENOS				
Flow rates (100% Open)					
Nominal Size	1/2"	3/4"	1"	1 1/2"	2"
Cv*	2.5	6.2	13.8	34	60
Maximum PSIG	250	250	250	250	250
*Cv may vary depending on configuration					
Pneumatic actuation	Air-to-open, spring-to-close, double acting 80 psi minimum, 150 PSIG maximum				
Actuator housing material	Aluminum with black Teflon hard-coat finish. Corrosion resistant and autoclavable				
Position indication	Mechanical 5-amp or proximity 3-amp switches. NEMA 4 or Division 2, class II enclosure				
Operating Temperature	-4°C to 100°C. Autoclavable, min/max temp -10°C to 190°C				
Agency Compliance	ASME/BPE 2016 Part SD-4.6				
Material Certification	Included				

Valve Code

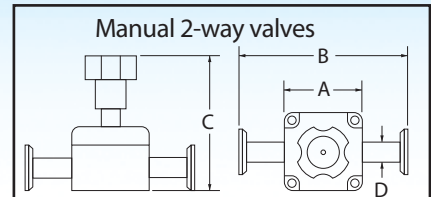
Size		Actuation		Switches	
Code	Spec	Code	Spec	Code	Spec
25	1/4 inch	M	Manual	N	None (std)
50	1/2 inch	A	Air/Air (with spring-to-close for fail safe)	S	5-amp micro
75	3/4 inch				
100	1 inch				
150	1 1/2 inch				
200	2 inch				
O	other				
Body material		Finish		End fitting	
Code	Spec	Code	Spec	Code	Spec
S	316L Stainless	20	20 Ra (std)	TC	Tri-clamp (std)
T	Titanium	10	10 Ra	BW	Butt-weld
P	PVDF			CC	Custom
H	Hastelloy	EP	Electropolish		
O	Other	Valve bodies are electropolished unless otherwise specified.			

Example

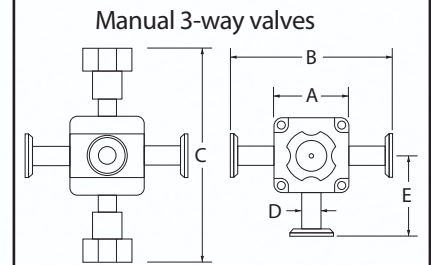
This is the code for a 3/4", 3-way drainable valve with the common port on the side and the A & B ports 90° opposed, air actuated, 5-amp micro position indicator switches, 316L stainless steel body, 20 Ra mechanical polish, electropolished, tri-clamp end fittings.

Size	Body Style	Actuation	Switches	Body Material	Finish	End Fitting
75	3WDSB	A	S	S	20 EP	TC

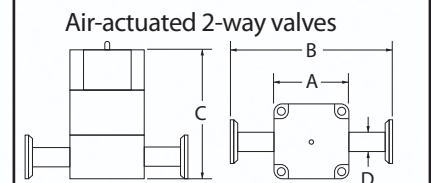
Dimensions



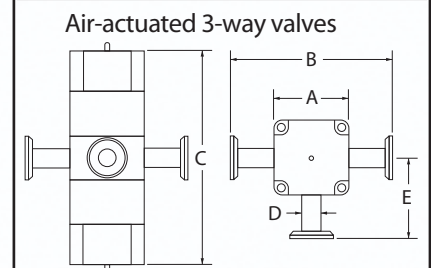
Dimensions	1/2"	3/4"	1"	1 1/2"	2"
A	2.0	3.0	4.0	5.2	6.0
B	3.8	5.0	8.0	9.2	10.0
C	4.4	5.5	7.3	8.3	8.8
D	0.5	0.8	1.0	1.5	2.0
Valve wt. (lbs)	0.9	4.8	9.5	15.0	26.0



Dimensions	1/2"	3/4"	1"	1 1/2"	2"
A	2.0	3.0	4.0	5.2	6.0
B	3.8	5.0	8.0	9.2	10.0
C	6.3	8.4	12.3	13.3	13.8
D	0.5	0.8	1.0	1.5	2.0
E	2.9	3.9	5.0	6.2	7.0
Valve wt. (lbs)	1.8	7.6	15.8	27.5	45.8



Dimensions	1/2"	3/4"	1"	1 1/2"	2"
A	2.0	3.0	4.0	5.2	6.0
B	3.8	5.0	8.0	9.2	10.0
C	4.4	5.5	7.3	8.3	8.8
D	0.5	0.8	1.0	1.5	2.0
Valve wt. (lbs)	1.5	5.7	10.5	25.0	38.0



Dimensions	1/2"	3/4"	1"	1 1/2"	2"
A	2.0	3.0	4.0	5.2	6.0
B	3.8	5.0	8.0	9.2	10.0
C	6.3	8.4	12.3	13.3	13.8
D	0.5	0.8	1.0	1.5	2.0
E	2.9	3.9	5.0	6.2	7.0
Valve wt. (lbs)	2.5	8.5	17.5	35.5	48.0

Valve Body Style

2W-2WF

Two way valves: The 2W is drainable when mounted vertically. All others are fully drainable

I = Inlet, O = Outlet

2WT-2WTF

Two way tee valves: A two way tee is used when the thru-process line is the same diameter as the take-off. Ideal for use as a point of use, drain, or sample port.

I = Inlet, O = Outlet

3W-3WS

Three way valves for diverting and mixing:

Used for applications where drainability is not critical, such as chromatography.

C = Common, A/B = inlets or outlets.

3WDSB-3WDV

Three way drainable diverting valves:

Diaphragms close on the common port to control fluid flow.

C = Common, A/B = outlets

3WMTS-3WMV

Three way drainable mixing valves:

Diaphragms close on the A and B port to control fluid flow.

C = Common, A/B = inlets

SLS-SLA

Steamlock sample valve: Provides a sterile barrier so it can be used as a sample port.

2WTO

Take-off valves: Used when the thru-process line and the take-off are different diameters. Ideal for WFI or DI water point-of-use drops or sample port.

3WBP, 4WBP

Three way bypass valves: Used for bypassing a filter, bubble trap, pump or other device.

Four way valve: Controls two flow streams in either of two directions. Ideal for reversing flow in a chromatography column or continuous flow to a process from two sources.

3WI, 4WI, 5WI, 6WI

Multiple inlet valves: Ideal for diverting or mixing multiple flow streams to or from a single source.

