



SC STYLE REPLACEMENT VALVES
DURBIN INDUSTRIAL VALVE

Durbin Industrial Valve
SC Style Replacement Series
3-Way Soft Seated



3-WAY SOFT SEATED



Features:

Valve Type: [Globe](#)

Function: 3-way / Directional / Mixing / Drain

Action: N/C or N/O -based upon valve configuration

Actuation: Pneumatic

Pilot Range: 35-40 psi (2.4-2.8 bar)

Sizes: ¼"-2" (DN 6 to DN 50)

Pressure Ratings: Up to 500 psi (34 bar)

Temperature Ratings: -40°F to 450°F (-40°C to 231°C)

Connection Style: Threaded (NPT/BSPT)

Seat Type: Soft Seat

Leakage Rate: ANSI/FCI 70-2 class VI

Cv: Maximum of 54.51

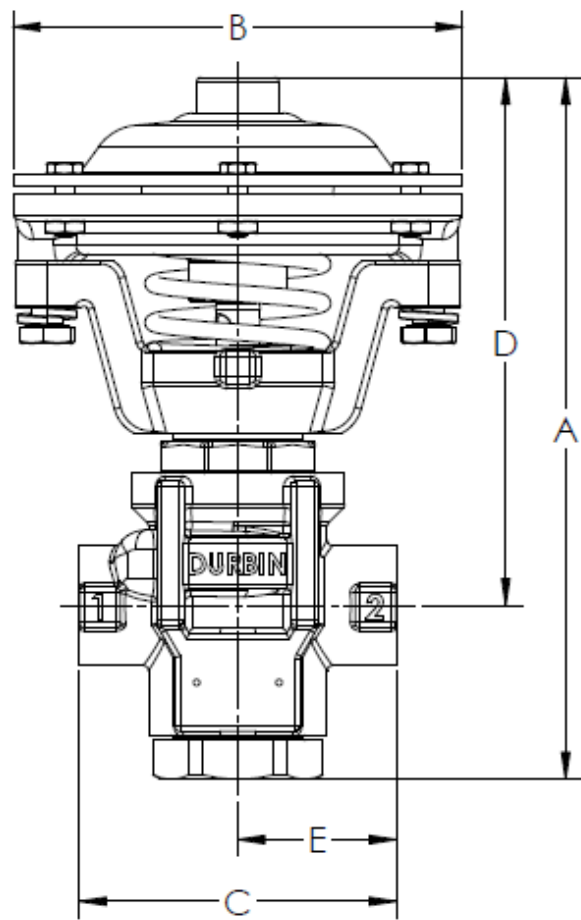
Media: Most process fluid types; gas, liquids and steam

Overview: The Durbin SC style replacement series provides the rugged durability of traditional process control valves with the added benefits of modern technology and upgraded materials. The valve is either normally open or normally closed depending on how it is plumbed into your piping system.

Materials of Construction: The Durbin SC style replacement series is constructed of 300 series stainless steel to protect against the damaging effects of corrosion. All wetted components are constructed from corrosion resistant materials (CRA's) or are engineered plastic materials.

Application: This valve type can be used as a redundant valve, mixing valve, directional valve or used as a drain. With no pilot air applied, the valve is always closed from port 1 to port 2. Port 3 to 2 or port 2 to port 3 will be open. With pilot pressure energized, flow is permitted between port 1 and port 2. Port 3 will be closed off. Whether it is high temperature steam, or low temperature cooling water, the Durbin SC style series can handle the application with the reliability, durability and repeatability that customers desire.

1/4" 3WNC SOFT SEATED DIMENSIONS

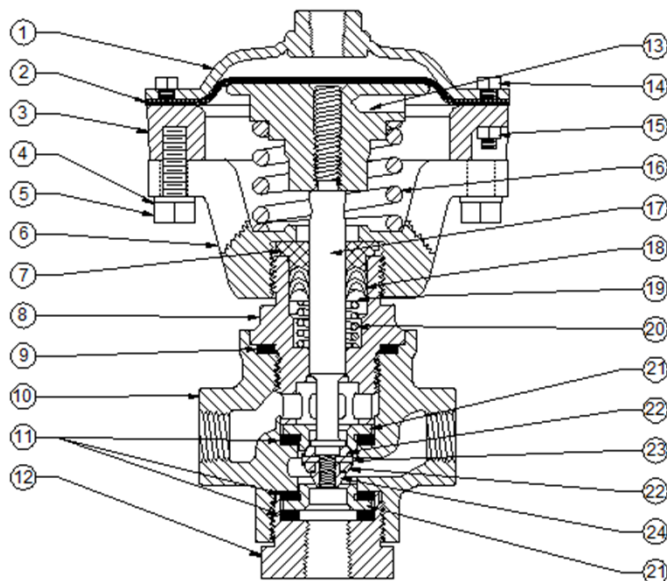


BASIC VALVE SIZE	TAP SIZE		A	B	C	D	E
1/4"	1/4" & 3/8"	INCH	6.66	4.31	3.01	5.01	1.50
		mm	169.20	109.50	76.20	127.01	38.10

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

1/4" 3WNC SOFT SEATED VALVE PARTS LIST



NOMINAL VALVE SIZE		1/4" 3W NORMALLY CLOSED	
VALVE		D264-00131	D264-00141
ITEM	DESCRIPTION	1/4" NPT	3/8" NPT
1	COVER/LID	M163-005D	M163-005D
2*	DIAPHRAGM	C333-056D	C333-056D
3	RING	M423-002D	M423-002D
4	LOCK WASHER (x2)	H175-16D	H175-16D
5	YOKE BOLT (x24)	H096-84D	H096-84D
6	YOKE	D283-184D	D283-184D
7	PACKING NUT	C603-030D	C603-030D
8	PACKING GLAND/ADAPTER	C013-015D	C013-015D
9*	BODY GASKET	C383-064D	C383-064D
10	BODY	C093-258D	C093-259D
11*	SEAT GASKET	C383-063D (x3)	C383-063D (x3)
12	BOTTOM CAP	C213-196D	C213-197D
13	SPRING RETAINER/PISTON	C783-141D	C783-141D
14	LID BOLT (x6)	H109-09D	H109-09D
15	LID NUT (x6)	H064-16D	H064-16D
16	DIAPHRAGM SPRING	D293-130D	D293-130D
17	STEM	D093-209D	D093-209D
18*	PACKER KIT	C242-024D	C242-024D
19	PACKING SPREADER	C713-017D	C713-017D
20	PACKING SPRING	D293-131D	D293-131D
21	SEAT RING	C963-147D	C963-147D
22*	SOFT SEAT SEAL	C343-067D (x2)	C343-067D (x2)
23	SEAL WASHER	C353-011D	C353-011D
24	SEAL NUT	C553-027D	C553-027D
25	STEM STOP	-	-
26	STEM ASSEMBLY	C332-079D	C332-079D
	SERVICE KIT	C242-056D	C242-056D

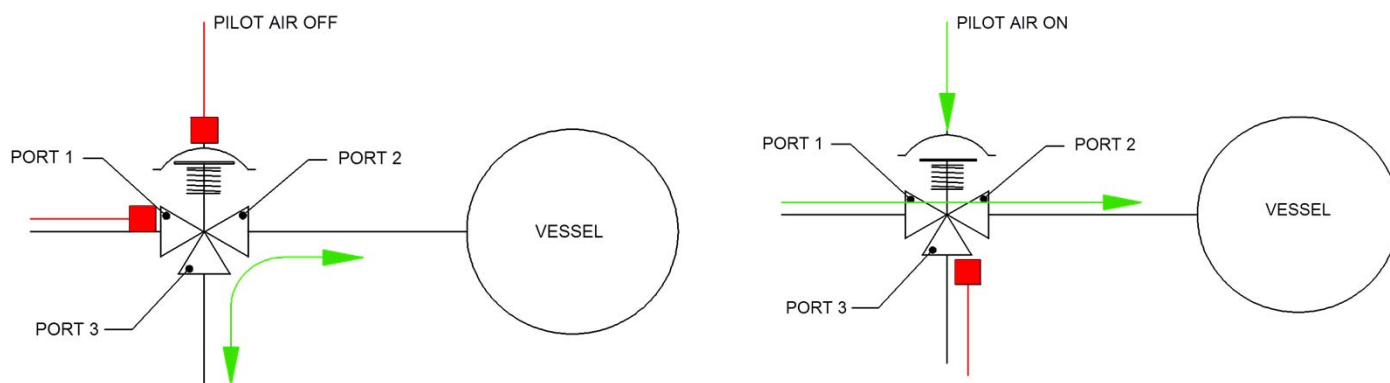
1/4" 3-WAY PIPING CONNECTIONS

VALVE TYPE		PIPING CONNECTIONS		
		PORT 1	PORT 2	PORT 3
3-WAY	NORMALLY OPEN	DRAIN	CYLINDER	INLET
	NORMALLY CLOSED	INLET	CYLINDER	DRAIN
3-PORT	DIRECTIONAL VALVE	OUTLET	INLET	OUTLET
	MIXING VALVE	INLET	OUTLET	INLET

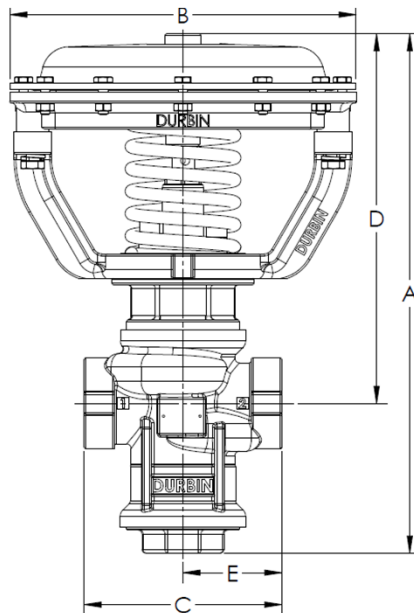
1/4" 3-WAY SOFT SEATED VALVE SIZING CHART

NOMINAL VALVE SIZE	STYLE	DESCRIPTION	LG TOP		CV			
			PSI	BAR	PORT 1 TO PORT 2	PORT 2 TO PORT 1	PORT 2 TO PORT 3	PORT 3 TO PORT 2
1/4"	1/4"	MODEL	D264-00131		3.06	3.25	4.16	4.26
		PRESSURE RATING	500	34				
	3/8"	MODEL	D264-00141		3.36	3.76	4.91	4.26
		PRESSURE RATING	500	34				

BASIC 3-WAY PIPING SCHEMATIC



3-WAY SOFT SEATED DIMENSIONS

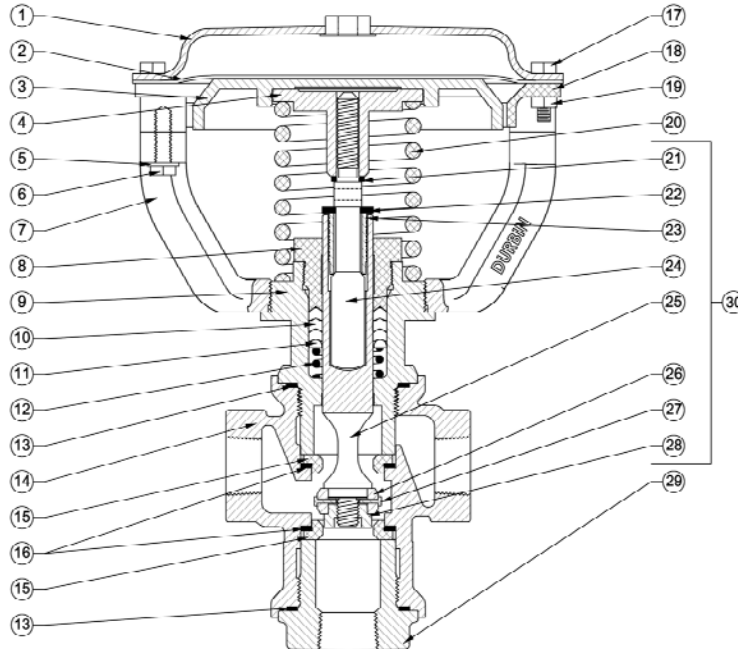


BASIC VALVE SIZE	TAP SIZE			TOP SIZE	A	B	C	D	E
1/2"	1/2" & 3/4"	3-WAY N.C & N.O. 2-WAY N.C. 2-WAY N.O. ANGLE PORTED	LARGE	INCH	10.53	7.25	3.88	7.03	1.94
				mm	267.50	184.20	98.60	178.61	49.30
			SMALL	INCH	10.53	6.50	3.88	7.03	1.94
				mm	267.50	165.10	98.60	178.60	49.30
		2-WAY N.O. INLINE PORTED	LARGE	INCH	10.53	7.25	3.88	8.41	1.94
				mm	267.50	184.20	98.60	213.60	49.30
1"	1" & 1-1/4"	3-WAY N.C & N.O. 2-WAY N.C. 2-WAY N.O. ANGLE PORTED	LARGE	INCH	14.01	9.50	5.38	10.01	2.69
				mm	355.60	241.30	136.60	254.01	68.30
			SMALL	INCH	13.88	8.19	5.38	9.88	2.69
				mm	352.60	208.01	136.60	251.01	68.30
		2-WAY N.O. INLINE PORTED	LARGE	INCH	14.01	9.50	5.38	11.38	2.69
				mm	355.60	241.30	136.60	289.01	68.30
1-1/2"	1-1/4" & 1-1/2"	3-WAY N.C & N.O. 2-WAY N.C. 2-WAY N.O. ANGLE PORTED	LARGE	INCH	17.62	11.75	6.50	12.56	3.25
				mm	447.60	298.40	165.10	319.01	82.60
			SMALL	INCH	17.66	9.50	6.50	12.59	3.25
				mm	448.60	241.30	165.10	319.81	82.60
		2-WAY N.O. INLINE PORTED	LARGE	INCH	17.62	11.75	6.50	14.31	3.25
				mm	447.60	298.40	165.10	363.50	82.60
			SMALL	INCH	17.66	9.50	6.50	14.34	3.25
				mm	448.60	241.30	165.10	364.20	82.60
	2"	3-WAY N.C & N.O. 2-WAY N.C. 2-WAY N.O. ANGLE PORTED	LARGE	INCH	18.01	11.75	6.50	12.56	3.25
				mm	457.20	298.40	165.10	319.01	82.60
			SMALL	INCH	18.03	9.50	6.50	12.59	3.25
				mm	458.01	241.30	165.10	319.80	82.60
		2-WAY N.O. INLINE PORTED	LARGE	INCH	18.01	11.75	6.50	14.31	3.25
				mm	457.20	298.40	165.10	363.50	82.60
			SMALL	INCH	18.03	9.50	6.50	14.34	3.25
				mm	458.00	241.30	165.10	364.20	82.60

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

1/2"-1 1/2" 3WNC SOFT SEATED VALVE PARTS LIST



NOMINAL VALVE SIZE		1/2"-2" 3W NC SOFT SEATED PARTS LIST															
VALVE		1/2"				1"				1-1/2"				2"			
ITEM	DESCRIPTION	1/2" LG TOP	1/2" SM TOP	3/4" LG TOP	3/4" SM TOP	1" LG TOP	1" SM TOP	1-1/4" LG TOP	1-1/4" SM TOP	1-1/4" LG TOP	1-1/4" SM TOP	1-1/2" LG TOP	1-1/2" SM TOP	2" LG TOP	2" SM TOP	2" LG TOP	2" SM TOP
1	COVER/LID	C293-023D	C293-018D	C293-023D	C293-018D	C293-030D	C293-091D	C293-030D	C293-091D	C293-036D	C293-030D	C293-036D	C293-030D	C293-036D	C293-030D	C293-036D	C293-030D
2*	DIAPHRAGM	C333-053D	C333-049D	C333-053D	C333-049D	C333-051D	C333-050D	C333-051D	C333-050D	C333-052D	C333-051D	C333-052D	C333-051D	C333-052D	C333-051D	C333-052D	C333-051D
3	PISTON	C783-048D	C783-032D	C783-048D	C783-032D	C783-081D	C783-061D	C783-081D	C783-061D	C783-102D	C783-071D	C783-102D	C783-071D	C783-102D	C783-071D	C783-102D	C783-071D
4	SPRING RETAINER	C883-006D	C883-006D	C883-006D	C883-006D	C883-008D	C883-008D	C883-008D	C883-008D	C883-009D	C883-009D	C883-009D	C883-009D	C883-009D	C883-009D	C883-009D	C883-009D
5	LOCK WASHER (x4)	-	-	-	-	H175-21D	H175-21D	H175-21D	H175-21D	H175-21D	H175-21D	H175-21D	H175-21D	H175-21D	H175-21D	H175-21D	H175-21D
6	YOKE BOLT (x4)	-	-	-	-	H096-49D	H096-52D	H096-49D	H096-52D	H096-49D	H096-52D	H096-49D	H096-52D	H096-49D	H096-52D	H096-49D	H096-52D
7	YOKE	-	-	-	-	D283-186D	D283-185D	D283-186D	D283-185D	D283-099D	D283-100D	D283-099D	D283-100D	D283-099D	D283-100D	D283-099D	D283-100D
8	PACKING NUT	C563-008D	C563-008D	C563-008D	C563-008D	C853-015D	C853-015D	C853-015D	C853-015D	C563-022D	C563-022D	C563-022D	C563-022D	C563-022D	C563-022D	C563-022D	C563-022D
9	PACKING GLAND	C013-006D	C013-006D	C013-006D	C013-006D	C013-009D	C013-009D	C013-009D	C013-009D	C013-007D	C013-007D	C013-007D	C013-007D	C013-007D	C013-007D	C013-007D	C013-007D
10*	PACKER KIT	C242-021D	C242-021D	C242-021D	C242-021D	C242-022D	C242-022D	C242-022D	C242-022D	C242-023D	C242-023D	C242-023D	C242-023D	C242-023D	C242-023D	C242-023D	C242-023D
11	PACKING SPREADER	C713-003D	C713-003D	C713-003D	C713-003D	C713-004D	C713-004D	C713-004D	C713-004D	C713-007D	C713-007D	C713-007D	C713-007D	C713-007D	C713-007D	C713-007D	C713-007D
12	PACKING SPRING	D293-001D	D293-001D	D293-001D	D293-001D	D293-002D	D293-002D	D293-002D	D293-002D	D293-004D	D293-004D	D293-004D	D293-004D	D293-004D	D293-004D	D293-004D	D293-004D
13*	BODY GASKET (x2)	C383-022D	C383-022D	C383-022D	C383-022D	C383-028D	C383-028D	C383-028D	C383-028D	C383-032D	C383-032D	C383-032D	C383-032D	C383-032D	C383-032D	C383-032D	C383-032D
14	3W BODY	C093-151D	C093-151D	C093-152D	C093-152D	C093-149D	C093-149D	C093-148D	C093-148D	C093-153D	C093-153D	C093-153D	C093-153D	C093-150D	C093-150D	C093-266D	C093-266D
15	SOFT SEAT (x2)	C963-148D	C963-148D	C963-148D	C963-148D	C963-149D	C963-149D	C963-149D	C963-149D	C963-149D	C963-150D	C963-150D	C963-150D	C963-150D	C963-150D	C963-150D	C963-150D
16*	SEAT GASKET (X2)	C383-010D	C383-010D	C383-010D	C383-010D	C383-019D	C383-019D	C383-019D	C383-019D	C383-029D	C383-029D	C383-029D	C383-029D	C383-029D	C383-029D	C383-029D	C383-029D
17	HEX BOLT	H096-10D	H096-10D	H096-10D	H096-10D	H096-10D	H096-10D	H096-10D	H096-10D	H096-12D	H096-10D	H096-12D	H096-10D	H096-12D	H096-10D	H096-12D	H096-10D
18	RING/RINGYOKE	D283-140D	D283-139D	D283-140D	D283-139D	C893-022D	C893-048D	C893-022D	C893-048D	C893-031D	C893-022D	C893-031D	C893-022D	C893-031D	C893-022D	C893-031D	C893-022D
19	HEX NUT	H060-03D	H060-03D	H060-03D	H060-03D	H060-03D	H060-03D	H060-03D	H060-03D	H060-03D	H060-03D	H060-03D	H060-03D	H060-03D	H060-03D	H060-03D	H060-03D
20	DIAPHRAGM SPRING	D293-157D	D293-157D	D293-157D	D293-157D	D293-147D	D293-147D	D293-147D	D293-147D	D293-051D	D293-054D	D293-051D	D293-054D	D293-051D	D293-054D	D293-051D	D293-054D
21	WASHER	D223-019D	D223-019D	D223-019D	D223-019D	D223-030D	D223-030D	D223-030D	D223-030D	-	-	-	-	-	-	-	-
22	DUST WASHER	H132-04D	H132-04D	H132-04D	H132-04D	H132-05D	H132-05D	H132-05D	H132-05D	H132-06D	H132-06D	H132-06D	H132-06D	H132-06D	H132-06D	H132-06D	H132-06D
23	SWIVEL NUT	C643-002D	C643-002D	C643-002D	C643-002D	C643-006D	C643-006D	C643-006D	C643-006D	C643-010D	C643-010D	C643-010D	C643-010D	C643-010D	C643-010D	C643-010D	C643-010D
24	SWIVEL STEM	D093-037D	D093-037D	D093-037D	D093-037D	D093-086D	D093-086D	D093-086D	D093-086D	D093-146D	D093-146D	D093-146D	D093-146D	D093-146D	D093-146D	D093-146D	D093-146D
25	SOFT STEM	D093-210D	D093-210D	D093-210D	D093-210D	D093-212D	D093-212D	D093-212D	D093-212D	D093-214D	D093-214D	D093-214D	D093-214D	D093-214D	D093-214D	D093-214D	D093-214D
26	SOFT SEAT SEAL (x2)	C343-068D	C343-068D	C343-068D	C343-068D	C343-069D	C343-069D	C343-069D	C343-069D	C343-070D	C343-070D	C343-070D	C343-070D	C343-070D	C343-070D	C343-070D	C343-070D
27	3W SOFT SEAL WASHER	C353-012D	C353-012D	C353-012D	C353-012D	C353-013D	C353-013D	C353-013D	C353-013D	C353-014D	C353-014D	C353-014D	C353-014D	C353-014D	C353-014D	C353-014D	C353-014D
28	SOFT SEAT NUT	C553-022D	C553-022D	C553-022D	C553-022D	C553-024D	C553-024D	C553-024D	C553-024D	C553-026D	C553-026D	C553-026D	C553-026D	C553-026D	C553-026D	C553-026D	C553-026D
29	BOTTOM CAP	C213-177D	C213-177D	C213-178D	C213-178D	C213-175D	C213-175D	C213-176D	C213-176D	C213-180D	C213-180D	C213-180D	C213-181D	C213-181D	C213-201D	C213-201D	C213-201D
30	STEM ASSEMBLY	C332-104D	C332-104D	C332-104D	C332-104D	C332-085D	C332-085D	C332-085D	C332-085D	C332-088D	C332-088D	C332-088D	C332-088D	C332-088D	C332-088D	C332-088D	C332-088D
	SERVICE KIT	C242-057D	C242-058D	C242-057D	C242-058D	C242-059D	C242-060D	C242-059D	C242-060D	C242-061D	C242-062D	C242-061D	C242-062D	C242-061D	C242-062D	C242-061D	C242-062D

Please contact us for more information at Phone: 330.724.9968 Email: valve@durbinvalve.com Website: www.durbinvalve.com

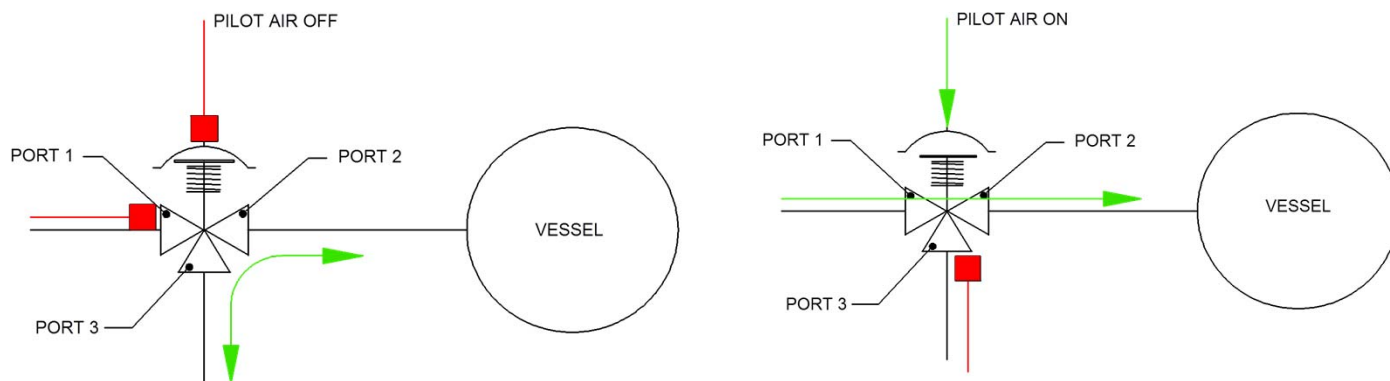
1/2"-1 1/2" 3-WAY PIPING CONNECTIONS

VALVE TYPE		PIPING CONNECTIONS		
		PORT 1	PORT 2	PORT 3
3-WAY	NORMALLY OPEN	DRAIN	CYLINDER	INLET
	NORMALLY CLOSED	INLET	CYLINDER	DRAIN
3-PORT	DIRECTIONAL VALVE	OUTLET	INLET	OUTLET
	MIXING VALVE	INLET	OUTLET	INLET

1/2"-1 1/2" 3W SOFT SEATED VALVE SIZING CHART

NOMINAL VALVE SIZE	STYLE	DESCRIPTION		LG TOP		SM TOP		CV			
				PSI	BAR	PSI	BAR	PORT 1 TO PORT 2	PORT 2 TO PORT 1	PORT 2 TO PORT 3	PORT 3 TO PORT 2
1/2"	3WNC SOFT SEATED	1/2"	MODEL	D264-20051		D264-20131		6.61	7.31	8.01	8.01
			PRESSURE RATING	500	34	500	34				
		3/4"	MODEL	D264-20061		D264-20141		8.31	7.81	9.91	10.81
			PRESSURE RATING	500	34	500	34				
1"	3WNC SOFT SEATED	1"	MODEL	D264-40051		D264-40131		15.21	16.01	19.81	23.81
			PRESSURE RATING	500	34	500	34				
		1-1/4"	MODEL	D264-40061		D264-40141		19.21	20.81	24.21	27.51
			PRESSURE RATING	500	34	500	34				
1-1/2"	3WNC SOFT SEATED	1-1/4"	MODEL	D264-60051		D264-60131		30.21	28.81	38.51	43.01
			PRESSURE RATING	500	34	500	34				
		1-1/2"	MODEL	D264-60061		D264-60141		34.21	35.01	38.51	44.01
			PRESSURE RATING	500	34	500	34				
		2"	MODEL	D264-60191		D264-60231		37.51	40.01	45.51	54.51
			PRESSURE RATING	500	34	500	34				

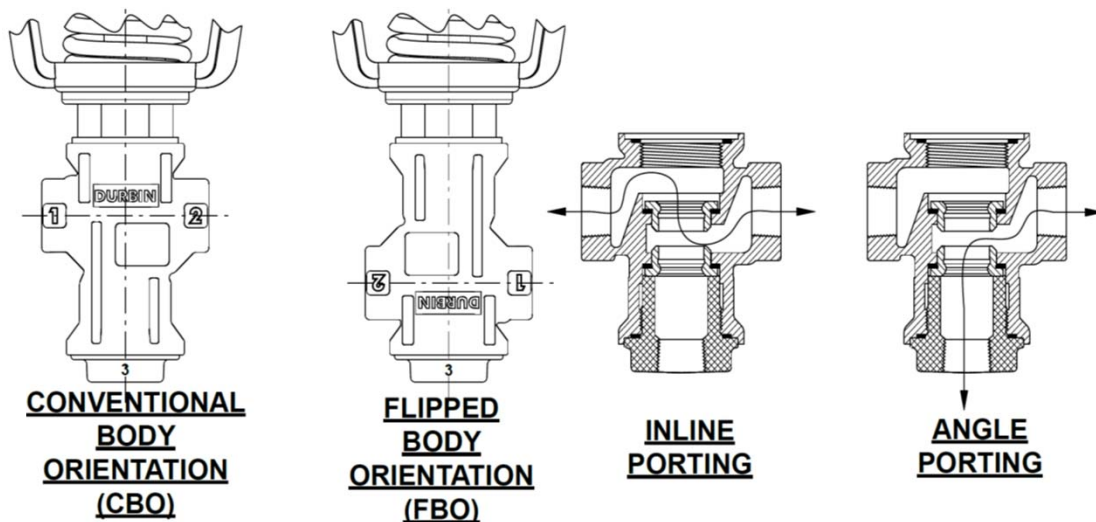
BASIC 3-WAY PIPING SCHEMATIC



3-WAY USED AS 2-WAY VALVE PIPING CONNECTION

VALVE TYPE		PIPING CONNECTIONS		
		PORT 1	PORT 2	PORT 3
2-WAY	NORMALLY OPEN ANGLE PORTING	PLUGGED	CYLINDER OR INLET	INLET OR CYLINDER
	NORMALLY CLOSED INLINE PIPED	INLET	CYLINDER	PLUGGED
	NORMALLY OPEN INLINE PIPED	INLET	CYLINDER	PLUGGED

3W SOFT SEATED OPTIONAL CONFIGURATIONS



SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

3W SOFT SEATED OPTIONAL CONFIGURATIONS

NOMINAL PIPE SIZE	STYLE	DESCRIPTION	LG TOP		SM TOP		Cv				BODY ORIENTATION	SPRING	BOTTOM CAP
			PSI	BAR	PSI	BAR	PORT 1 TO PORT 2	PORT 2 TO PORT 1	PORT 2 TO PORT 3	PORT 3 TO PORT 2			
1/2"	2WNC (INLINE PORTING)	1/2" MODEL	D264-20011		D264-20091		6.21	6.31	-	-	CBO	D293-157D	C213-179D
		1/2" PRESSURE RATING	500	34	450	31							
		3/4" MODEL	D264-20021		D264-20101		7.51	6.81	-	-	CBO	D293-157D	C213-179D
		3/4" PRESSURE RATING	500	34	450	31							
	2WNO (INLINE PORTING)	1/2" MODEL	D274-20011		D274-20031		6.11	6.51	-	-	FBO	D293-158D	C213-143D
		1/2" PRESSURE RATING	500	34	375	26							
		3/4" MODEL	D274-20021		D274-20041		7.61	8.01	-	-	FBO	D293-158D	C213-143D
		3/4" PRESSURE RATING	500	34	375	26							
	2WNO (ANGLE PORTING)	1/2" MODEL	D264-20031		D264-20111		-	-	7.41	8.81	CBO	D293-158D	C213-177D
		1/2" PRESSURE RATING	500	34	375	26							
		3/4" MODEL	D264-20041		D264-20121		-	-	9.61	12.01	CBO	D293-158D	C213-178D
		3/4" PRESSURE RATING	500	34	375	26							
1"	2WNC (INLINE PORTING)	1" MODEL	D264-40011		D264-40091		13.51	13.81	-	-	CBO	D293-147D	C213-174D
		1" PRESSURE RATING	500	34	375	26							
		1-1/4" MODEL	D264-40021		D264-40101		17.21	16.51	-	-	CBO	D293-147D	C213-174D
		1-1/4" PRESSURE RATING	500	34	375	26							
	2WNO (INLINE PORTING)	1" MODEL	D274-40011		D274-40031		13.21	12.61	-	-	FBO	D293-147D	C213-139D
		1" PRESSURE RATING	500	34	275	19							
		1-1/4" MODEL	D274-40021		D274-40041		17.91	17.01	-	-	FBO	D293-147D	C213-139D
		1-1/4" PRESSURE RATING	500	34	275	19							
	2WNO (ANGLE PORTING)	1" MODEL	D264-40031		D264-40111		-	-	17.91	18.41	CBO	D293-147D	C213-175D
		1" PRESSURE RATING	500	34	275	19							
		1-1/4" MODEL	D264-40041		D264-40121		-	-	24.81	26.01	CBO	D293-147D	C213-176D
		1-1/4" PRESSURE RATING	500	34	275	19							
1-1/2"	2WNC (INLINE PORTING)	1-1/4" MODEL	D264-60011		D264-60091		31.91	29.71	-	-	CBO	D293-051D*	C213-182D
		1-1/4" PRESSURE RATING	500	34	250	17							
		1-1/2" MODEL	D264-60021		D264-60101		35.01	32.91	-	-	CBO	D293-051D*	C213-182D
		1-1/2" PRESSURE RATING	500	34	250	17							
	2WNO (INLINE PORTING)	1-1/4" MODEL	D274-60011		D274-60031		31.91	29.71	-	-	FBO	D293-054D	C213-147D
		1-1/4" PRESSURE RATING	450	31	200	14							
		1-1/2" MODEL	D274-60021		D274-60041		35.01	32.91	-	-	FBO	D293-054D	C213-147D
		1-1/2" PRESSURE RATING	450	31	200	14							
	2WNO (ANGLE PORTING)	1-1/4" MODEL	D264-60031		D264-60111		-	-	43.21	48.51	CBO	D293-054D	C213-180D
		1-1/4" PRESSURE RATING	450	31	200	14							
		1-1/2" MODEL	D264-60041		D264-60121		-	-	45.01	49.91	CBO	D293-054D	C213-181D
		1-1/2" PRESSURE RATING	450	31	200	14							