



SC STYLE REPLACEMENT VALVES
DURBIN INDUSTRIAL VALVE

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



3-WAY HARD 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: 1/4"-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: Hard Seat

Leakage Rate: ANSI/FCI 70-2 class VI

Cv: Maximum of 52.01

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. The hard-seated version provides metal-to-metal valve sealing.

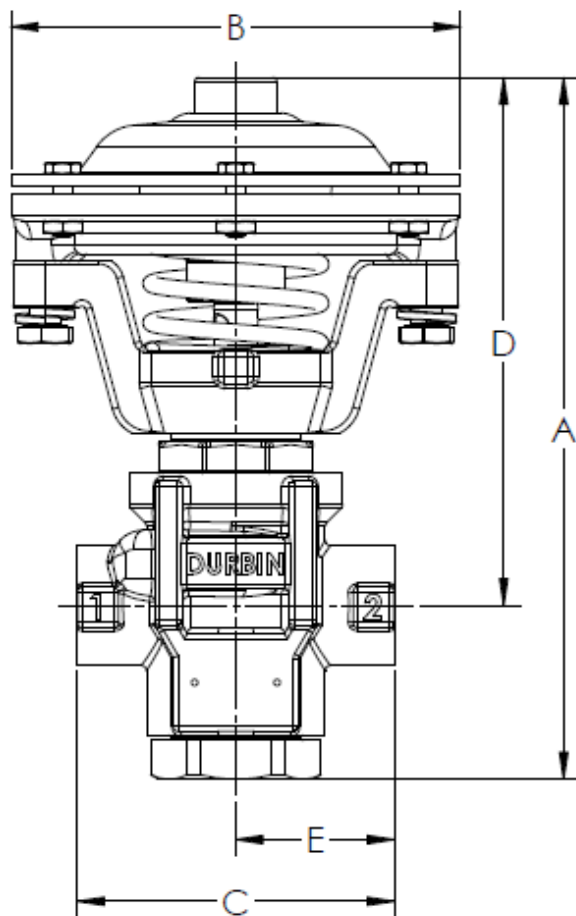
•Materials of Construction: The Durbin SC style replacement series is constructed of stainless steel to protect against the damaging effects of corrosion. All wetted components are constructed from corrosion-resistant materials (CRAs) or are engineered plastic materials.

Application: This valve type can be used as a redundant valve, a mixing valve, a directional valve, or 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 replacement series can handle the application with the reliability, durability and repeatability that customers desire.

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

1/4" 3WNC HARD SEATED DIMENSIONS

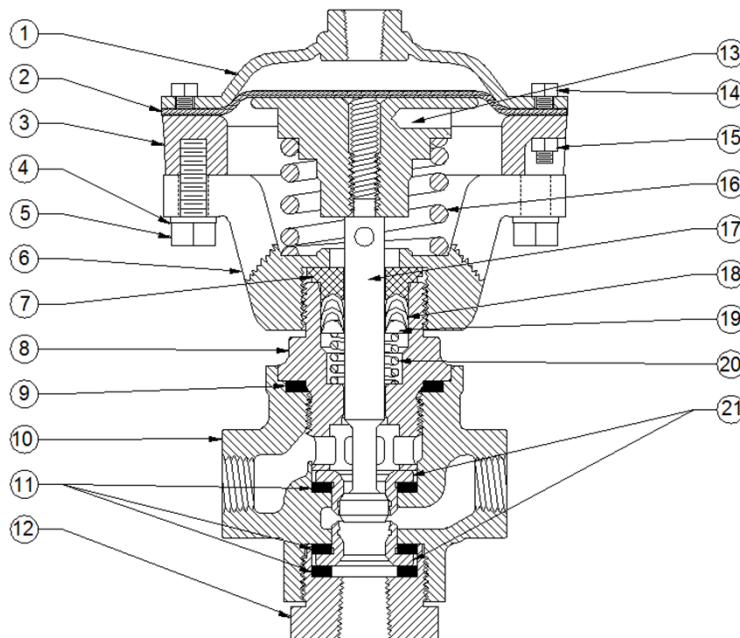


BASIC VALVE SIZE	TAP SIZE		A	B	C	D	E
1/4"	1/4" & 3/8"	INCH	6.66	4.31	3.01	5.01	1.50
		mm	169.20	109.50	76.20	127.01	38.10

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

1/4" 3WNC HARD SEATED VALVE PARTS LIST



NOMINAL VALVE SIZE		1/4" 3W NORMALLY CLOSED	
VALVE		D264-00132	D264-00142
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	D093-205D	D093-205D
18*	PACKER KIT	C242-024D	C242-024D
19	PACKING SPREADER	C713-017D	C713-017D
20	PACKING SPRING	D293-131D	D293-131D
21	SEAT RING	C963-145D	C963-145D
22	STEM STOP	-	-
	SWIVEL NUT	C242-049D	C242-049D

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

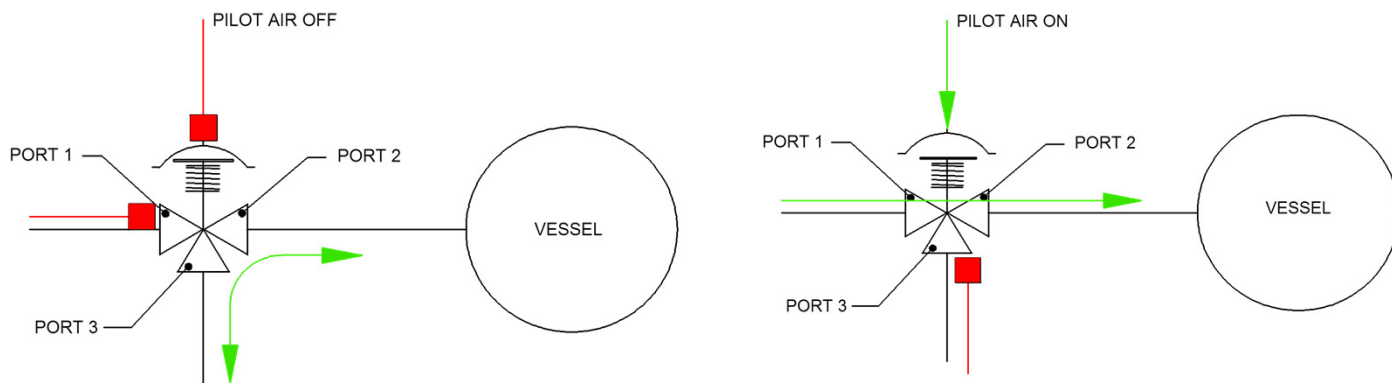
1/4" 3-WAY PIPING CONNECTIONS

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 HARD 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"	3WNC	MODEL	D264-00132		2.07	2.07	2.45	3.31
			PRESSURE RATING	500	34				
	3/8"		MODEL	D264-00142		2.58	2.49	2.36	3.63
			PRESSURE RATING	500	34				

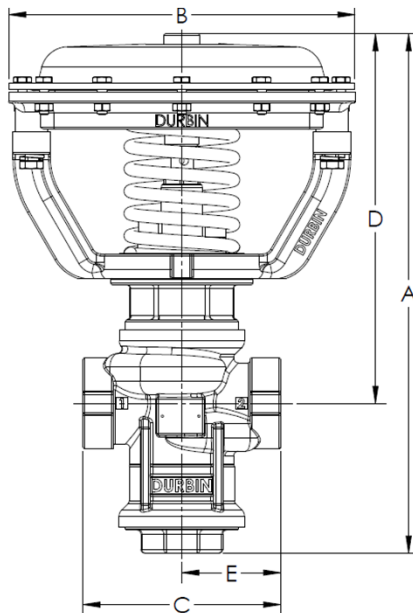
BASIC 3-WAY PIPING SCHEMATIC



SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

3-WAY HARD SEATED DIMENSIONS

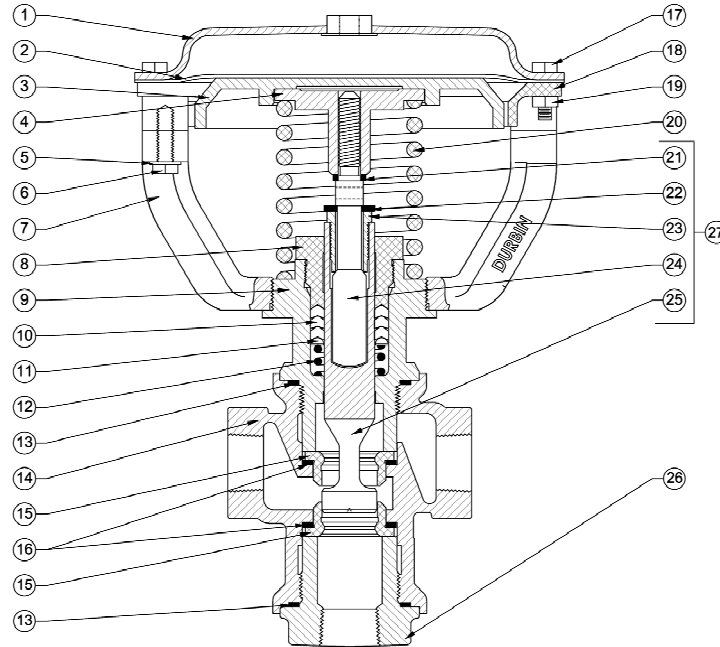


BASIC VALVE SIZE	TAP SIZE		TOP SIZE		A	B	C	D	E
1/2"	1/2" & 3/4"	3-WAY N.C & N.O. 2-WAY N.C. 2-WAY N.O. ANGLE PORTED	LARGE	INCH	10.53	7.25	3.88	7.03	1.94
				mm	267.50	184.20	98.60	178.61	49.30
			SMALL	INCH	10.53	6.50	3.88	7.03	1.94
				mm	267.50	165.10	98.60	178.60	49.30
		2-WAY N.O. INLINE PORTED	LARGE	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 HARD SEATED VALVE PARTS LIST



1/2" - 2" 3W NC HARD SEATED PARTS LIST															
NOMINAL VALVE SIZE		1/2"				1"				1-1/2"					
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
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
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
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
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
5	LOCK WASHER (x4)	-	-	-	-	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	H096-49D	H096-49D	H096-49D	H096-49D	H096-49D
7	YOKE	-	-	-	-	D283-186D	D283-185D	D283-186D	D283-185D	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
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
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
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
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
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
14	3W BODY	C093-151D	C093-151D	C093-152D	C093-152D	C093-149D	C093-149D	C093-148D	C093-148D	C093-153D	C093-153D	C093-150D	C093-150D	C093-266D	C093-266D
15	HARD SEAT (x2)	C963-008D	C963-008D	C963-008D	C963-008D	C963-052D	C963-052D	C963-052D	C963-052D	C963-085D	C963-085D	C963-085D	C963-085D	C963-085D	C963-085D
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
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
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
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
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
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
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
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
25	HARD STEM	D093-088D	D093-088D	D093-088D	D093-088D	D093-147D	D093-147D	D093-147D	D093-147D	D093-173D	D093-173D	D093-173D	D093-173D	D093-173D	D093-173D
26	BOTTOM CAP	C213-177D	C213-177D	C213-178D	C213-178D	C213-175D	C213-175D	C213-176D	C213-176D	C213-180D	C213-180D	C213-181D	C213-181D	C213-201D	C213-201D
27	STEM ASSEMBLY	C332-007D	C332-007D	C332-007D	C332-007D	C332-022D	C332-022D	C332-022D	C332-022D	C332-044D	C332-044D	C332-044D	C332-044D	C332-044D	C332-044D
	SERVICE KIT	C242-050D	C242-051D	C242-050D	C242-051D	C242-052D	C242-053D	C242-052D	C242-053D	C242-054D	C242-055D	C242-054D	C242-055D	C242-054D	C242-055D

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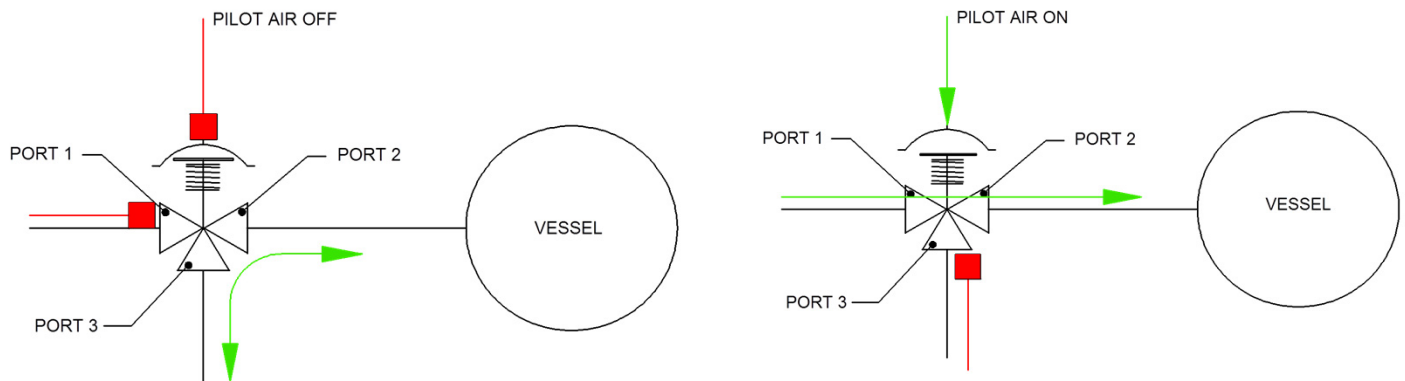
1/2" - 1 1/2" 3-WAY PIPING CONNECTIONS

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 HARD 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 HARD SEATED	1/2"	MODEL	D264-20052		D264-20132		6.21	6.31	7.41	8.81
			PRESSURE RATING	500	34	500	34				
		3/4"	MODEL	D264-20062		D264-20142		7.61	6.81	9.61	12.01
			PRESSURE RATING	500	34	500	34				
1"	3WNC HARD SEATED	1"	MODEL	D264-40052		D264-40132		13.51	13.81	17.91	18.41
			PRESSURE RATING	500	34	500	34				
		1-1/4"	MODEL	D264-40062		D264-40142		17.21	17.01	24.81	26.01
			PRESSURE RATING	500	34	500	34				
1-1/2"	3WNC HARD SEATED	1-1/4"	MODEL	D264-60052		D264-60132		31.91	27.41	43.21	48.51
			PRESSURE RATING	500	34	500	34				
		1-1/2"	MODEL	D264-60062		D264-60142		35.01	31.31	45.01	49.91
			PRESSURE RATING	500	34	500	34				
		2"	MODEL	D264-60192		D264-60232		36.01	34.71	47.31	52.01
			PRESSURE RATING	500	34	500	34				

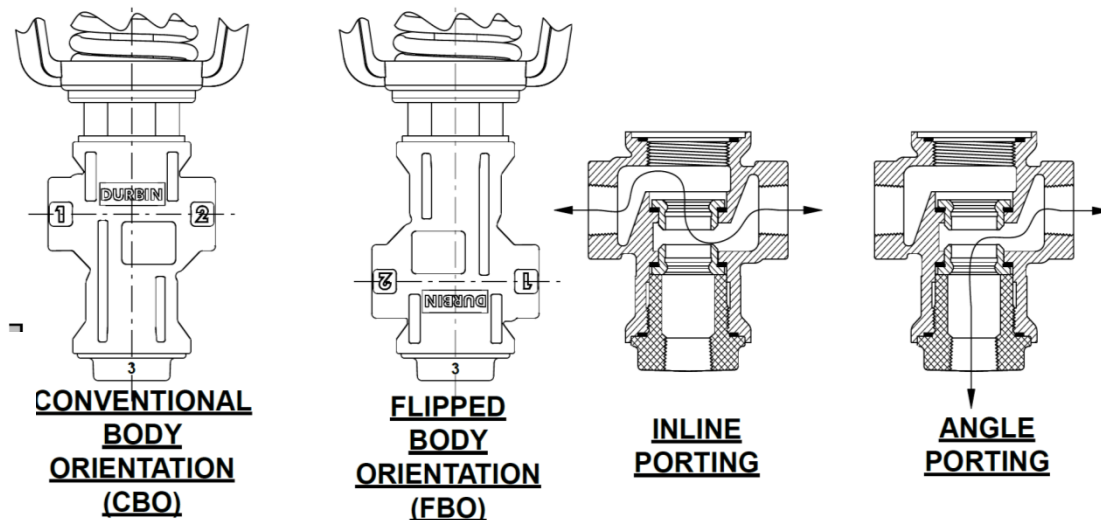
BASIC 3-WAY PIPING SCHEMATIC



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 HARD SEATED OPTIONAL CONFIGURATIONS



SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

3W HARD 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	D264-20012		D264-20092		6.21	6.31	-	-	CBO	D293-157D	C213-179D
			PRESSURE RATING	500	34	450	31							
		3/4"	MODEL	D264-20022		D264-20102		7.51	6.81	-	-	CBO	D293-157D	C213-179D
			PRESSURE RATING	500	34	450	31							
	2WNO (INLINE PORTING)	1/2"	MODEL	D274-20012		D274-20032		6.11	6.51	-	-	FBO	D293-158D	C213-143D
			PRESSURE RATING	500	34	375	26							
		3/4"	MODEL	D274-20022		D274-20042		7.61	8.01	-	-	FBO	D293-158D	C213-143D
			PRESSURE RATING	500	34	375	26							
	2WNO (ANGLE PORTING)	1/2"	MODEL	D264-20032		D264-20112		-	-	7.41	8.81	CBO	D293-158D	C213-177D
			PRESSURE RATING	500	34	375	26							
		3/4"	MODEL	D264-20042		D264-20122		-	-	9.61	12.01	CBO	D293-158D	C213-178D
			PRESSURE RATING	500	34	375	26							
1"	2WNC (INLINE PORTING)	1"	MODEL	D264-40012		D264-40092		13.51	13.81	-	-	CBO	D293-147D	C213-174D
			PRESSURE RATING	500	34	375	26							
		1-1/4"	MODEL	D264-40022		D264-40102		17.21	16.51	-	-	CBO	D293-147D	C213-174D
			PRESSURE RATING	500	34	375	26							
	2WNO (INLINE PORTING)	1"	MODEL	D274-40012		D274-40032		13.21	12.61	-	-	FBO	D293-147D	C213-139D
			PRESSURE RATING	500	34	275	19							
		1-1/4"	MODEL	D274-40022		D274-40042		17.91	17.01	-	-	FBO	D293-147D	C213-139D
			PRESSURE RATING	500	34	275	19							
	2WNO (ANGLE PORTING)	1"	MODEL	D264-40032		D264-40112		-	-	17.91	18.41	CBO	D293-147D	C213-175D
			PRESSURE RATING	500	34	275	19							
		1-1/4"	MODEL	D264-40042		D264-40122		-	-	24.81	26.01	CBO	D293-147D	C213-176D
			PRESSURE RATING	500	34	275	19							
1-1/2"	2WNC (INLINE PORTING)	1-1/4"	MODEL	D264-60012		D264-60092		31.91	29.71	-	-	CBO	D293-051D*	C213-182D
			PRESSURE RATING	500	34	250	17							
		1-1/2"	MODEL	D264-60022		D264-60102		35.01	32.91	-	-	CBO	D293-051D*	C213-182D
			PRESSURE RATING	500	34	250	17							
	2WNO (INLINE PORTING)	1-1/4"	MODEL	D274-60012		D274-60032		31.91	29.71	-	-	FBO	D293-054D	C213-147D
			PRESSURE RATING	450	31	200	14							
		1-1/2"	MODEL	D274-60022		D274-60042		35.01	32.91	-	-	FBO	D293-054D	C213-147D
			PRESSURE RATING	450	31	200	14							
	2WNO (ANGLE PORTING)	1-1/4"	MODEL	D264-60032		D264-60112		-	-	43.21	48.51	CBO	D293-054D	C213-180D
			PRESSURE RATING	450	31	200	14							
		1-1/2"	MODEL	D264-60042		D264-60122		-	-	45.01	49.91	CBO	D293-054D	C213-181D
			PRESSURE RATING	450	31	200	14							