DURBIN
INDUSTRIAL VALVE
Innovation Through Flow

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

Durbin Industrial Valve

SC Style Replacement Series

DURBIN
INDUSTRIAL VALVE

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

Features:

Valve Type: Globe

Function: 2-way/3-Way

Action: Normally Closed/Normally Open

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 & Hard 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 valves provide a drop-in replacement for traditional industrial process-control valves that have serviced the industry for over half a century. Durbin has taken the proven durability and reliability of this legacy product and combined it with modern engineering technology and upgraded materials. The traditional bronze construction has been updated to a stainless steel design. A durable powder-coating is used on springs and lids. All stems, whether hard-seated or soft-seated, are constructed from a tough and durable stainless material to withstand the harshest process environments. Whether you need normally open or normally closed, 2-way isolation or 3-way directional, hard-seated or soft-seated, existing application or new application; the Durbin SC style replacement series has a replacement option for your needs. Select the valve type below to learn more.

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

2-WAY SOFT SEATED

Features:

Valve Type: Globe

Function: 2-way

Action: Normally Closed/Normally Open

Actuation: Pneumatic

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

Sizes: ¼"-1½" (DN 6 to DN 40)

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 32.91

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 available in normally closed or normally open (fail-safe close or fail-safe open).

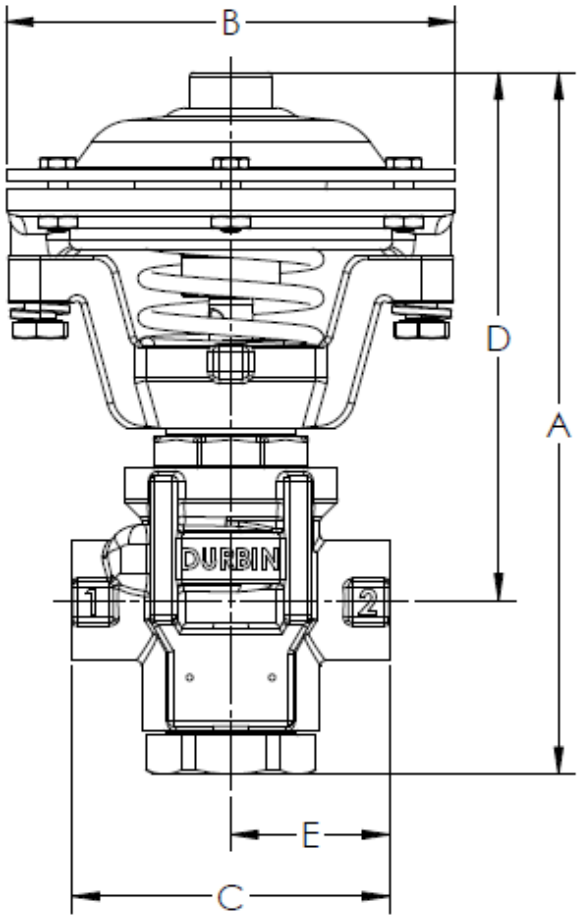
Materials of Construction: The Durbin SC style replacement series is constructed of stainless steel to protect against the damaging effects of corrosion. All wetted components are constructed from corrosion-resistant materials (CRAs) or are engineered plastic materials.

Application: This valve series is ideal for applications where a high cycle life and repeated positive shut-off is required. This 2-way valve can be used to isolate one process fluid from another, to supply fluid, or to provide a fast evacuation if normally open. 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

¼” 2WNC & 2WNO SOFT SEATED DIMENSIONS

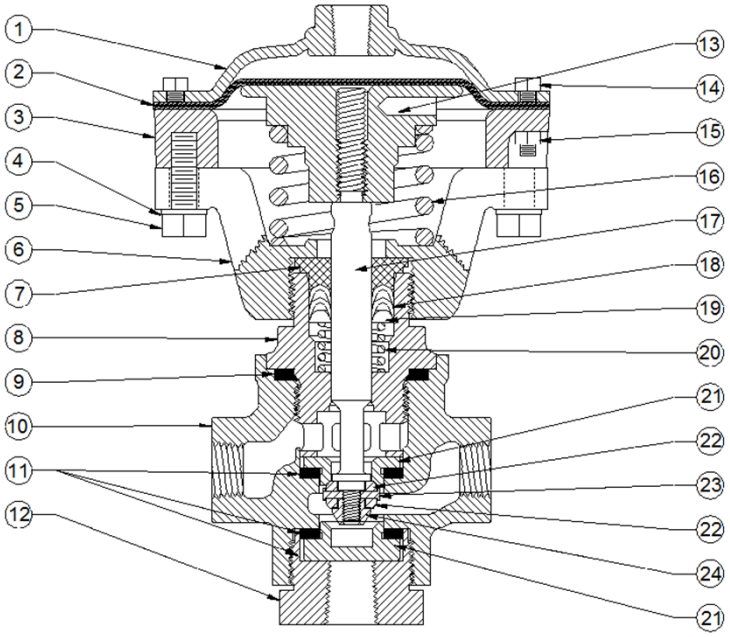


BASIC VALVE SIZE	TAP SIZE		A	B	C	D	E
1/4"	1/4" & 3/8"	INCH	6.66	4.31	3.01	5.01	1.50
		mm	169.20	109.50	76.20	127.01	38.10

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

¼" 2WNC SOFT SEATED VALVE PARTS LIST

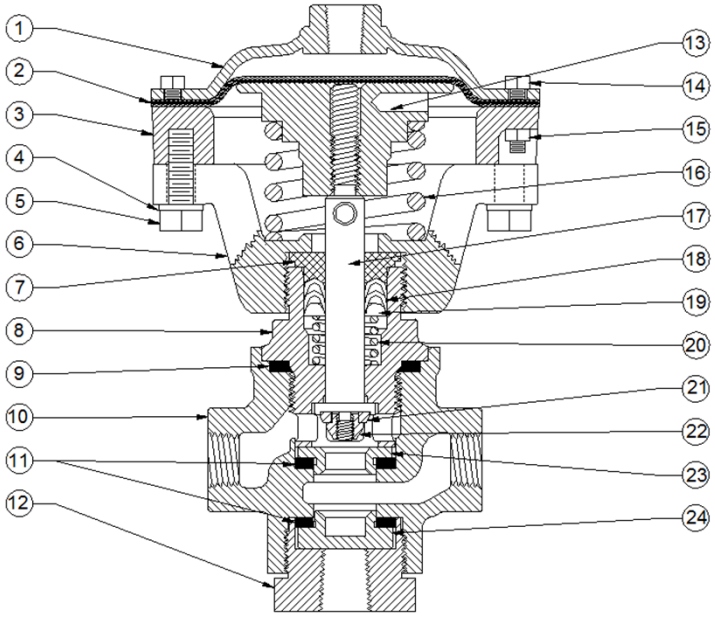


NOMINAL VALVE SIZE		1/4" 2W NORMALLY CLOSED	
VALVE		D264-00091	D264-00101
ITEM	DESCRIPTION	1/4" NPT	3/8" NPT
1	COVER/LID	M163-005D	M163-005D
2*	DIAPHRAGM	C333-056D	C333-056D
3	RING	M423-002D	M423-002D
4	LOCK WASHER (x2)	H175-16D	H175-16D
5	YOKE BOLT (x24)	H096-84D	H096-84D
6	YOKE	D283-184D	D283-184D
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 (x2)	C383-063D (x2)
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	D123-052D	D123-052D
26	STEM ASSEMBLY	C332-079D	C332-079D
	SERVICE KIT	C242-056D	C242-056D

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

¼” 2WNO SOFT SEATED VALVE PARTS LIST



NOMINAL VALVE SIZE		1/4" 2W NORMALLY OPEN	
VALVE		D284-00071	D284-00081
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 (x2)	C383-063D (x2)
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	D293-129D	D293-129D
17	STEM	D093-208D	D093-208D
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	C343-067D
23	SEAL WASHER	-	-
24	SEAL NUT	C553-027D	C553-027D
25	STEM STOP	D123-052D	D123-052D
26	STEM ASSEMBLY	C332-078D	C332-078D
	SERVICE KIT	C242-056D	C242-056D

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

¼” 2-WAY PIPING CONNECTIONS

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

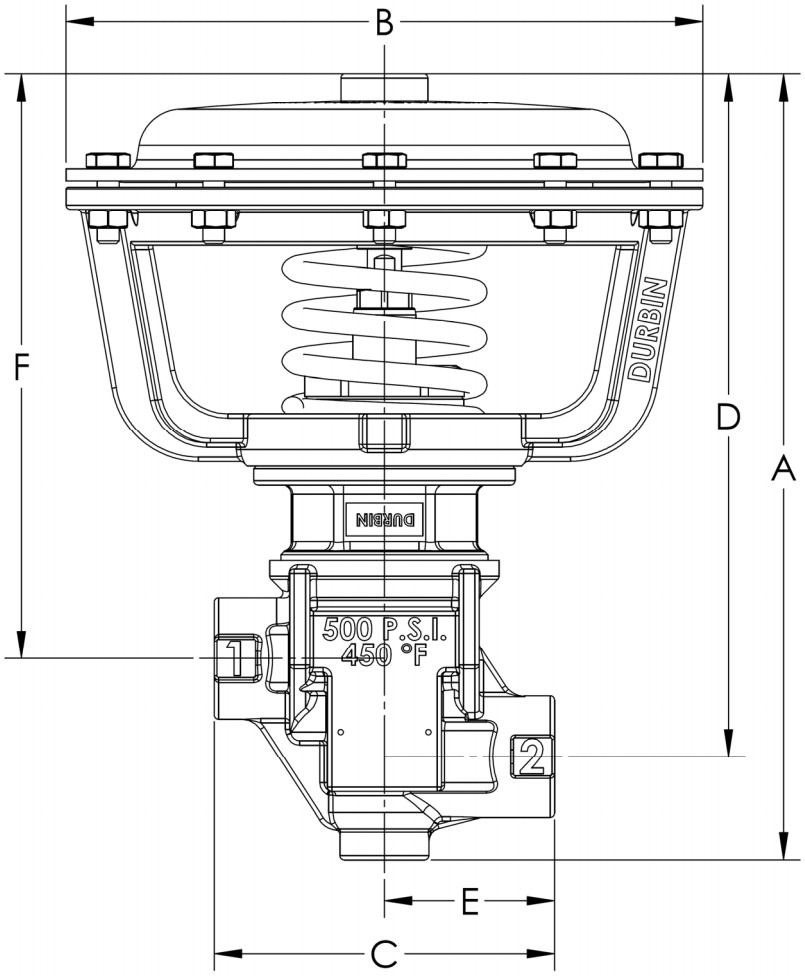
¼” 2-WAY SOFT SEATED VALVE SIZING CHART

NOMINAL VALVE SIZE	STYLE	DESCRIPTION		LG TOP		CV	
				PSI	BAR	PORT 1 TO PORT 2	PORT 2 TO PORT 1
1/4"	1/4"	2WNC	MODEL	D264-00091		3.36	3.76
			PRESSURE RATING	500	34		
	3/8"		MODEL	D264-00101		3.06	3.26
			PRESSURE RATING	500	34		
	1/4"	2WNO	MODEL	D284-00071		3.36	3.76
			PRESSURE RATING	500	34		
	3/8"		MODEL	D284-00081		3.06	3.26
			PRESSURE RATING	500	34		

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

2-WAY SOFT SEATED OFFSET DIMENSIONS

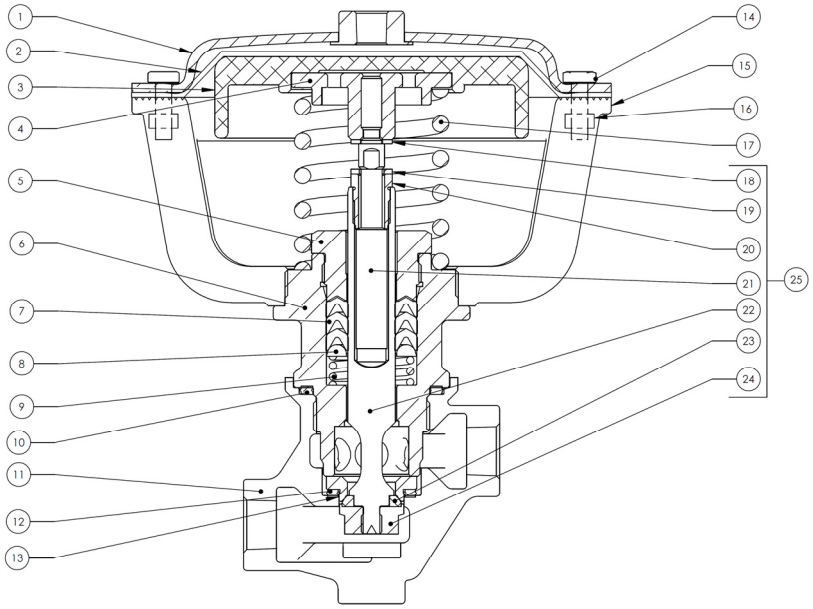


BASIC VALVE SIZE	TAP SIZE	TOP SIZE		A	B	C	D	E	F
1/2"	1/2" & 3/4"	LARGE	INCH	8.84	7.25	3.88	7.81	1.94	6.68
			mm	224.50	184.20	98.60	198.40	49.30	169.70
		SMALL	INCH	8.84	6.50	3.88	7.81	1.94	6.68
			mm	224.50	165.10	98.60	198.40	49.30	169.70

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

2WNC SOFT SEATED OFFSET PARTS LIST

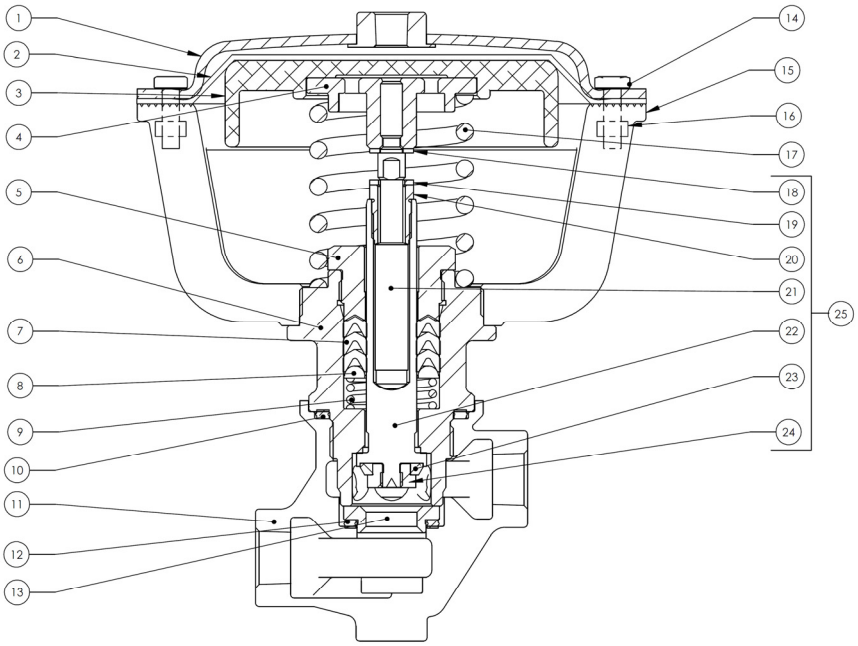


2W NC SOFT SEATED OFFSET PARTS LIST					
NOMINAL VALVE SIZE		1/2"			
VALVE		D294-20011	D294-20051	D294-20021	D294-20061
ITEM	DESCRIPTION	1/2" LG TOP	1/2" SM TOP	3/4" LG TOP	3/4" SM TOP
1	COVER/LID	C293-023D	C293-018D	C293-023D	C293-018D
2*	DIAPHRAGM	C333-053D	C333-049D	C333-053D	C333-049D
3	PISTON	C783-048D	C783-032D	C783-048D	C783-032D
4	SPRING RETAINER	C883-006D	C883-006D	C883-006D	C883-006D
5	PACKING NUT	C563-008D	C563-008D	C563-008D	C563-008D
6	PACKING GLAND/ADAPTER	C013-006D	C013-006D	C013-006D	C013-006D
7*	PACKER KIT	C242-021D	C242-021D	C242-021D	C242-021D
8	PACKING SPREADER	C713-003D	C713-003D	C713-003D	C713-003D
9	PACKING SPRING	D293-001D	D293-001D	D293-001D	D293-001D
10*	BODY GASKET	C383-022D	C383-022D	C383-022D	C383-022D
11	2W BODY	C093-137D	C093-137D	C093-139D	C093-139D
12	SOFT SEAT	C963-148D	C963-148D	C963-148D	C963-148D
13*	SEAT GASKET	C383-010D	C383-010D	C383-010D	C383-010D
14	HEX BOLT	H096-10D	H096-10D	H096-10D	H096-10D
15	RINGYOKE	D283-140D	D283-139D	D283-140D	D283-139D
16	HEX NUT	H060-03D	H060-03D	H060-03D	H060-03D
17	DIAPHRAGM SPRING	D293-157D	D293-157D	D293-157D	D293-157D
18	WASHER	D223-019D	D223-019D	D223-019D	D223-019D
19	DUST WASHER	H132-04D	H132-04D	H132-04D	H132-04D
20	SWIVEL NUT	C643-002D	C643-002D	C643-002D	C643-002D
21	SWIVEL STEM	D093-037D	D093-037D	D093-037D	D093-037D
22	SOFT STEM	D093-210D	D093-210D	D093-210D	D093-210D
23	SOFT SEAT SEAL	C343-068D	C343-068D	C343-068D	C343-068D
24	SOFT SEAL NUT	C553-021D	C553-021D	C553-021D	C553-021D
25	STEM ASSEMBLY	C332-080D	C332-080D	C332-080D	C332-080D
	SERVICE KIT	C242-057D	C242-058D	C242-057D	C242-058D

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

2WNO SOFT SEATED OFFSET PARTS LIST



2W NO SOFT SEATED OFFSET PARTS LIST					
NOMINAL VALVE SIZE		1/2"			
VALVE		D294-20031	D294-20071	D294-20041	D294-20081
ITEM	DESCRIPTION	1/2" LG TOP	1/2" SM TOP	3/4" LG TOP	3/4" SM TOP
1	COVER/LID	C293-023D	C293-018D	C293-023D	C293-018D
2*	DIAPHRAGM	C333-053D	C333-049D	C333-053D	C333-049D
3	PISTON	C783-048D	C783-032D	C783-048D	C783-032D
4	SPRING RETAINER	C883-006D	C883-006D	C883-006D	C883-006D
5	PACKING NUT	C563-008D	C563-008D	C563-008D	C563-008D
6	PACKING GLAND/ADAPTER	C013-006D	C013-006D	C013-006D	C013-006D
7*	PACKER KIT	C242-021D	C242-021D	C242-021D	C242-021D
8	PACKING SPREADER	C713-003D	C713-003D	C713-003D	C713-003D
9	PACKING SPRING	D293-001D	D293-001D	D293-001D	D293-001D
10*	BODY GASKET	C383-022D	C383-022D	C383-022D	C383-022D
11	2W BODY	C093-137D	C093-137D	C093-139D	C093-139D
12	SOFT SEAT	C963-148D	C963-148D	C963-148D	C963-148D
13*	SEAT GASKET	C383-010D	C383-010D	C383-010D	C383-010D
14	HEX BOLT	H096-10D	H096-10D	H096-10D	H096-10D
15	RINGYOKE	D283-140D	D283-139D	D283-140D	D283-139D
16	HEX NUT	H060-03D	H060-03D	H060-03D	H060-03D
17	DIAPHRAGM SPRING	D293-157D	D293-158D	D293-157D	D293-158D
18	WASHER	D223-019D	D223-019D	D223-019D	D223-019D
19	DUST WASHER	H132-04D	H132-04D	H132-04D	H132-04D
20	SWIVEL NUT	C643-002D	C643-002D	C643-002D	C643-002D
21	SWIVEL STEM	D093-037D	D093-037D	D093-037D	D093-037D
22	SOFT STEM	D093-211D	D093-211D	D093-211D	D093-211D
23	SOFT SEAT SEAL	C343-068D	C343-068D	C343-068D	C343-068D
24	SOFT SEAL NUT	C553-022D	C553-022D	C553-022D	C553-022D
25	STEM ASSEMBLY	C332-081D	C332-081D	C332-081D	C332-081D
	SERVICE KIT	C242-057D	C242-058D	C242-057D	C242-058D

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

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

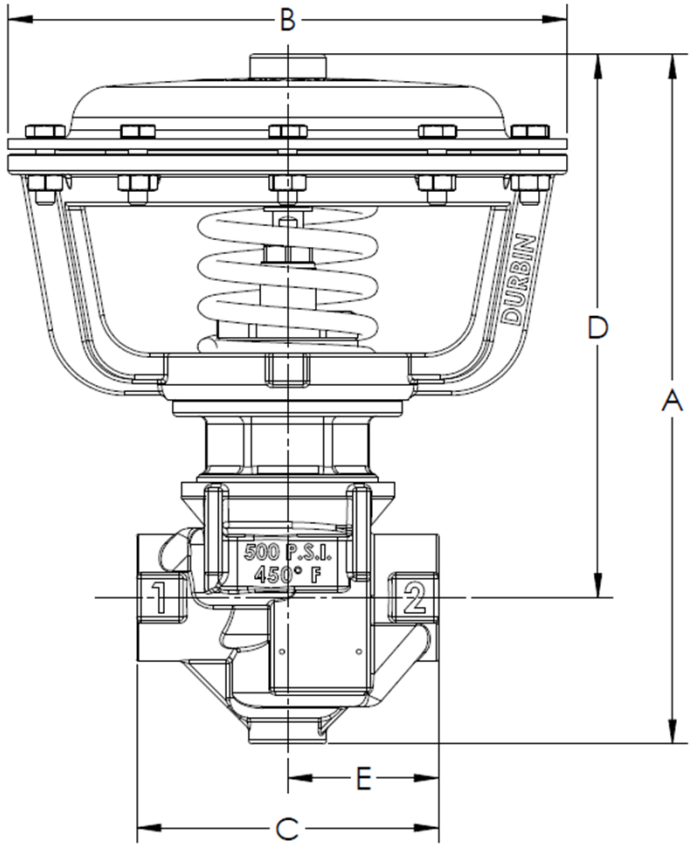
2W SOFT SEATED OFFSET VALVE SIZING CHART

2-WAY SOFT SEATED VALVE MODELS										
NOMINAL VALVE SIZE	STYLE	DESCRIPTION		LG TOP		SM TOP		CV	
				PSI	BAR	PSI	BAR	PORT 1 TO PORT 2	PORT 2 TO PORT 1
1/2"	2WNC	1/2"	MODEL	D294-20011		D294-20051		8	7.5
			PRESSURE RATING	500	34	500	34		
		3/4"	MODEL	D294-20021		D294-20061		10.3	9.3
			PRESSURE RATING	500	34	500	34		
	2WNO	1/2"	MODEL	D294-20031		D294-20071		8.5	7.9
			PRESSURE RATING	500	34	500	34		
		3/4"	MODEL	D294-20041		D294-20081		10.8	10
			PRESSURE RATING	500	34	500	34		

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

2-WAY SOFT SEATED DIMENSIONS

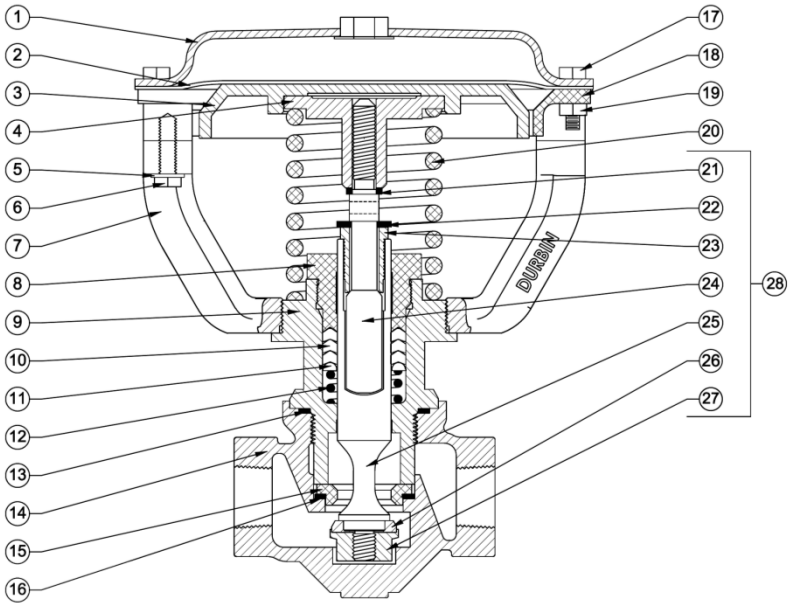


BASIC VALVE SIZE	TAP SIZE	TOP SIZE		A	B	C	D	E
1/2"	1/2" & 3/4"	LARGE	INCH	8.84	7.25	3.88	7.03	1.94
			mm	224.50	184.20	98.60	178.60	49.30
		SMALL	INCH	8.84	6.50	3.88	7.03	1.94
			mm	224.50	165.10	98.60	178.60	49.30
1"	1" & 1-1/4"	LARGE	INCH	12.01	9.50	5.38	10.01	2.69
			mm	304.80	241.30	136.60	254.01	68.30
		SMALL	INCH	11.88	8.19	5.38	9.88	2.69
			mm	301.80	208.01	136.60	251.01	68.30
1-1/2"	1-1/2"	LARGE	INCH	15.06	11.75	6.50	12.56	3.25
			mm	382.50	298.40	165.10	31.01	82.60
		SMALL	INCH	15.09	9.50	6.50	12.59	3.25
			mm	383.30	241.30	165.10	319.80	82.60

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

½”-1 ½” 2WNC SOFT SEATED VALVE PARTS LIST



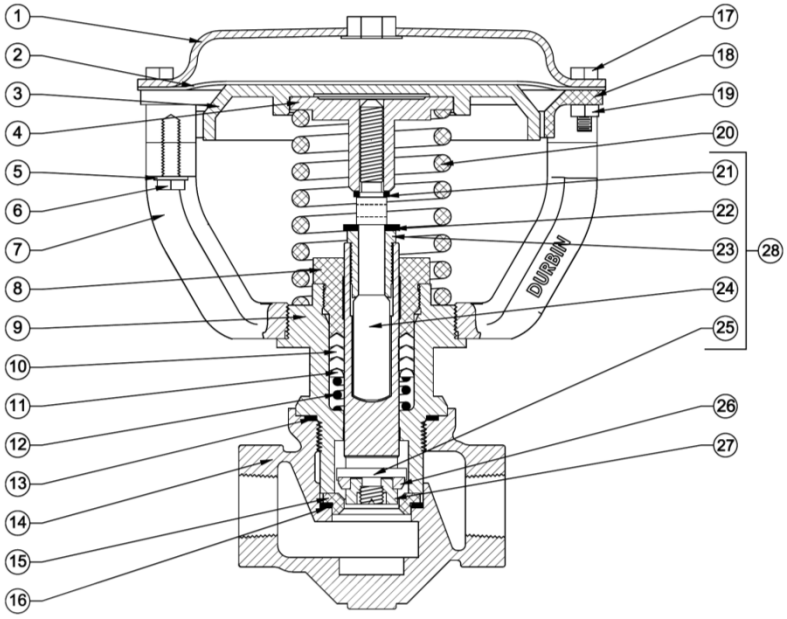
1/2"-1-1/2" 2W NC SOFT SEATED PARTS LIST											
NOMINAL VALVE SIZE		1/2"				1"				1-1/2"	
VALVE		D284-20011	D284-20051	D284-20021	D284-20061	D284-40011	D284-40051	D284-40021	D284-40061	D284-60021	D284-60061
ITEM	DESCRIPTION	1/2" LG TOP	1/2" SM TOP	3/4" LG TOP	3/4" SM TOP	1" LG TOP	1" SM TOP	1-1/4" LG TOP	1-1/4" SM TOP	1-1/2" LG TOP	1-1/2" 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
2*	DIAPHRAGM	C333-053D	C333-049D	C333-053D	C333-049D	C333-051D	C333-050D	C333-051D	C333-050D	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
4	SPRING RETAINER	C883-006D	C883-006D	C883-006D	C883-006D	C883-008D	C883-008D	C883-008D	C883-008D	C883-009D	C883-009D
5	LOCK WASHER (x4)	-	-	-	-	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
7	YOKE	-	-	-	-	D283-186D	D283-185D	D283-186D	D283-185D	D283-099D	D283-100D
8	PACKING NUT	C563-008D	C563-008D	C563-008D	C563-008D	C563-015D	C563-015D	C563-015D	C563-015D	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
10*	PACKER KIT	C242-021D	C242-021D	C242-021D	C242-021D	C242-022D	C242-022D	C242-022D	C242-022D	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
12	PACKING SPRING	D293-001D	D293-001D	D293-001D	D293-001D	D293-002D	D293-002D	D293-002D	D293-002D	D293-004D	D293-004D
13*	BODY GASKET	C383-022D	C383-022D	C383-022D	C383-022D	C383-028D	C383-028D	C383-028D	C383-028D	C383-032D	C383-032D
14	2W BODY	C093-136D	C093-136D	C093-138D	C093-138D	C093-140D	C093-140D	C093-142D	C093-142D	C093-146D	C093-146D
15	SOFT SEAT	C963-148D	C963-148D	C963-148D	C963-148D	C963-149D	C963-149D	C963-149D	C963-149D	C963-150D	C963-150D
16*	SEAT GASKET	C383-010D	C383-010D	C383-010D	C383-010D	C383-019D	C383-019D	C383-019D	C383-019D	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
18	RING/RINGYOKE	D283-140D	D283-139D	D283-140D	D283-139D	C893-022D	C893-048D	C893-022D	C893-048D	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
20	DIAPHRAGM SPRING	D293-157D	D293-157D	D293-157D	D293-157D	D293-147D	D293-147D	D293-147D	D293-147D	D293-051D	D293-051D
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
23	SWIVEL NUT	C643-002D	C643-002D	C643-002D	C643-002D	C643-006D	C643-006D	C643-006D	C643-006D	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
25	SOFT STEM	D093-210D	D093-210D	D093-210D	D093-210D	D093-212D	D093-212D	D093-212D	D093-212D	D093-214D	D093-214D
26	SOFT SEAT SEAL	C343-068D	C343-068D	C343-068D	C343-068D	C343-069D	C343-069D	C343-069D	C343-069D	C343-070D	C343-070D
27	SOFT SEAL NUT	C553-021D	C553-021D	C553-021D	C553-021D	C553-023D	C553-023D	C553-023D	C553-023D	C553-025D	C553-025D
28	STEM ASSEMBLY	C332-080D	C332-080D	C332-080D	C332-080D	C332-083D	C332-083D	C332-083D	C332-083D	C332-086D	C332-086D
	SERVICE KIT	C242-057D	C242-058D	C242-057D	C242-058D	C242-059D	C242-060D	C242-059D	C242-060D	C242-061D	C242-062D

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

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

½”-1 ½” 2WNO SOFT SEATED VALVE PARTS LIST



1/2"-1-1/2" 2W NO SOFT SEATED PARTS LIST											
NOMINAL VALVE SIZE		1/2"				1"				1-1/2"	
VALVE		D284-20031	D284-20071	D284-20041	D284-20081	D284-40031	D284-40071	D284-40041	D284-40081	D284-60041	D284-60081
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	1-1/2" LG TOP	1-1/2" 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
2*	DIAPHRAGM	C333-053D	C333-049D	C333-053D	C333-049D	C333-051D	C333-050D	C333-051D	C333-050D	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
4	SPRING RETAINER	C883-006D	C883-006D	C883-006D	C883-006D	C883-008D	C883-008D	C883-008D	C883-008D	C883-009D	C883-009D
5	LOCK WASHER (x4)	-	-	-	-	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
7	YOKE	-	-	-	-	D283-186D	D283-185D	D283-186D	D283-185D	D283-099D	D283-100D
8	PACKING NUT	C563-008D	C563-008D	C563-008D	C563-008D	C563-015D	C563-015D	C563-015D	C563-015D	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
10*	PACKER KIT	C242-021D	C242-021D	C242-021D	C242-021D	C242-022D	C242-022D	C242-022D	C242-022D	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
12	PACKING SPRING	D293-001D	D293-001D	D293-001D	D293-001D	D293-002D	D293-002D	D293-002D	D293-002D	D293-004D	D293-004D
13*	BODY GASKET	C383-022D	C383-022D	C383-022D	C383-022D	C383-028D	C383-028D	C383-028D	C383-028D	C383-032D	C383-032D
14	2W BODY	C093-136D	C093-136D	C093-138D	C093-138D	C093-140D	C093-140D	C093-142D	C093-142D	C093-146D	C093-146D
15	SOFT SEAT	C963-148D	C963-148D	C963-148D	C963-148D	C963-149D	C963-149D	C963-149D	C963-149D	C963-150D	C963-150D
16*	SEAT GASKET	C383-010D	C383-010D	C383-010D	C383-010D	C383-019D	C383-019D	C383-019D	C383-019D	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
18	RING/RINGYOKE	D283-140D	D283-139D	D283-140D	D283-139D	C893-022D	C893-048D	C893-022D	C893-048D	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
20	DIAPHRAGM SPRING	D293-157D	D293-158D	D293-157D	D293-158D	D293-147D	D293-147D	D293-147D	D293-147D	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
23	SWIVEL NUT	C643-002D	C643-002D	C643-002D	C643-002D	C643-006D	C643-006D	C643-006D	C643-006D	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
25	SOFT STEM	D093-211D	D093-211D	D093-211D	D093-211D	D093-213D	D093-213D	D093-213D	D093-213D	D093-215D	D093-215D
26	SOFT SEAT SEAL	C343-068D	C343-068D	C343-068D	C343-068D	C343-069D	C343-069D	C343-069D	C343-069D	C343-070D	C343-070D
27	SOFT SEAL NUT	C553-022D	C553-022D	C553-022D	C553-022D	C553-024D	C553-024D	C553-024D	C553-024D	C553-026D	C553-026D
28	STEM ASSEMBLY	C332-081D	C332-081D	C332-081D	C332-081D	C332-084D	C332-084D	C332-084D	C332-084D	C332-087D	C332-087D
	SERVICE KIT	C242-057D	C242-058D	C242-057D	C242-058D	C242-059D	C242-060D	C242-059D	C242-060D	C242-061D	C242-062D

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

½”-1 ½” 2-WAY PIPING CONNECTIONS

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

½”-1 ½” 2W 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
1/2"	2WNC	1/2"	MODEL	D284-20011		D284-20051		5.61	6.11
			PRESSURE RATING	500	34	500	34		
		3/4"	MODEL	D284-20021		D284-20061		7.41	7.01
			PRESSURE RATING	500	34	500	34		
	2WNO	1/2"	MODEL	D284-20031		D284-20071		6.11	6.51
			PRESSURE RATING	500	34	500	34		
		3/4"	MODEL	D284-20041		D284-20081		7.61	8.01
			PRESSURE RATING	500	34	500	34		
1"	2WNC	1"	MODEL	D284-40011		D284-40051		12.81	12.31
			PRESSURE RATING	500	34	500	34		
		1-1/4"	MODEL	D284-40021		D284-40061		17.01	16.31
			PRESSURE RATING	500	34	500	34		
	2WNO	1"	MODEL	D284-40031		D284-40071		13.21	12.61
			PRESSURE RATING	500	34	500	34		
		1-1/4"	MODEL	D284-40041		D284-40081		17.91	17.01
			PRESSURE RATING	500	34	500	34		
1-1/2"	2WNC	1-1/2"	MODEL	D284-60021		D284-60061		32.51	31.01
			PRESSURE RATING	500	34	500	34		
	2WNO	1-1/2"	MODEL	D284-60041		D284-60081		32.01	32.91
			PRESSURE RATING	500	34	500	34		

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

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 styles 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.

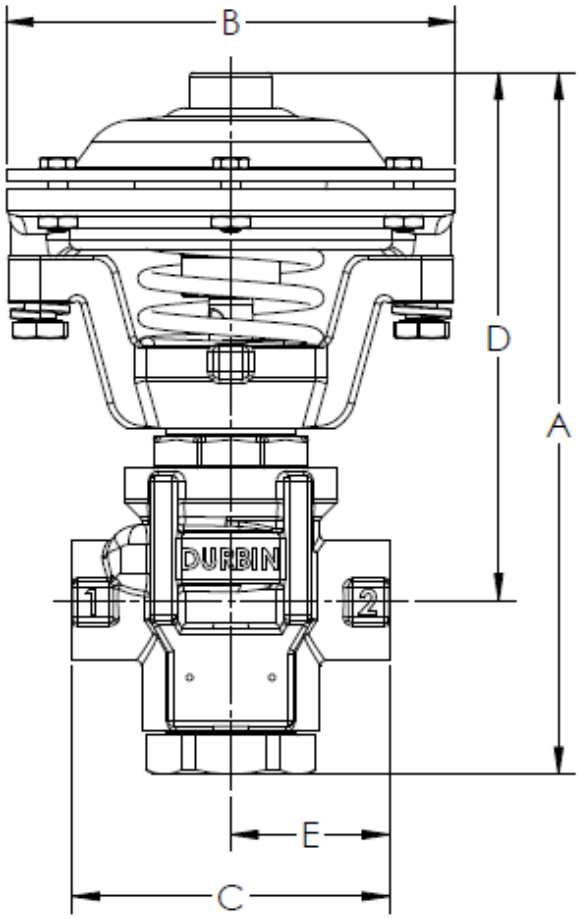
Materials of Construction: The Durbin SC styles replacement series is constructed of 300 series stainless steel to protect against the damaging effects of corrosion . All wetted components are constructed from corrosion resistant materials (CRA's) or are engineered plastic materials.

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 500 psi series can handle the application with the reliability, durability and repeatability that customers desire.

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

¼” 3WNC SOFT SEATED DIMENSIONS

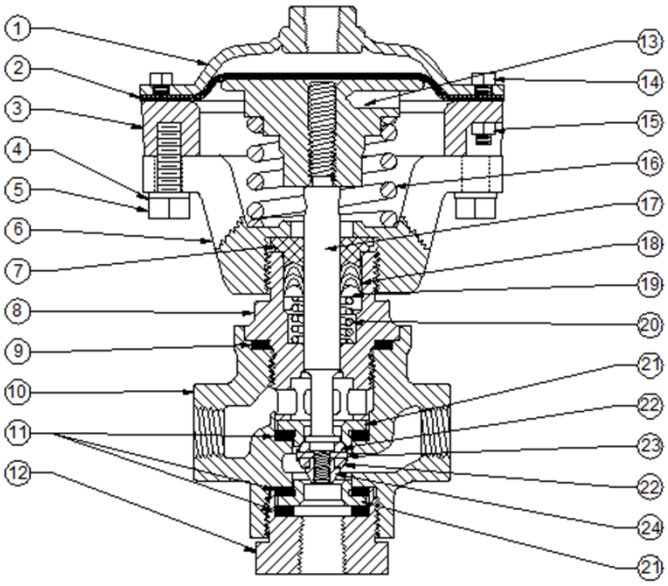


BASIC VALVE SIZE	TAP SIZE		A	B	C	D	E
1/4"	1/4" & 3/8"	INCH	6.66	4.31	3.01	5.01	1.50
		mm	169.20	109.50	76.20	127.01	38.10

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

¼” 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

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

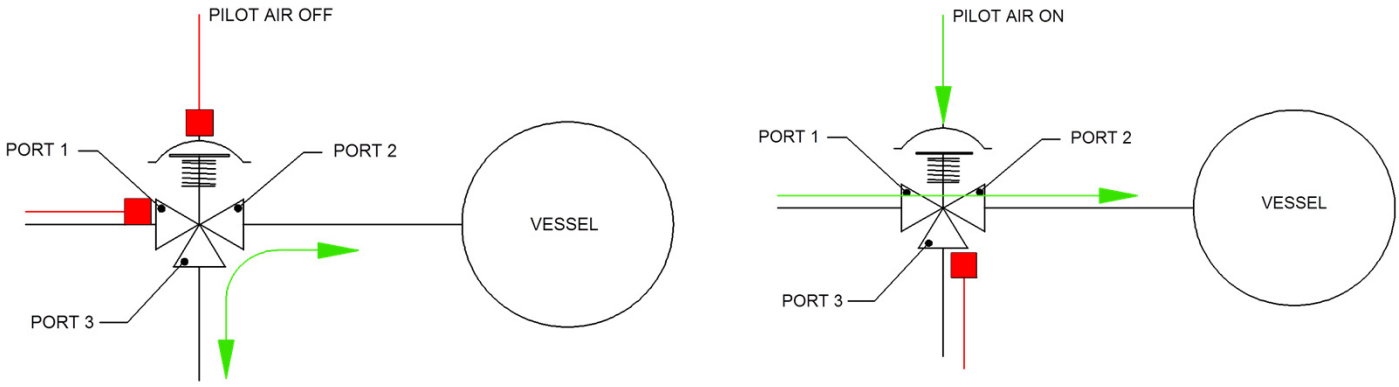
¼" 3-WAY PIPING CONNECTIONS

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

¼" 3-WAY SOFT SEATED VALVE SIZING CHART

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	D264-00131		3.36	3.76	4.16	4.26
		PRESSURE RATING	500	34				
3/8"		MODEL	D264-00141		3.06	3.25	4.91	4.26
		PRESSURE RATING	500	34				

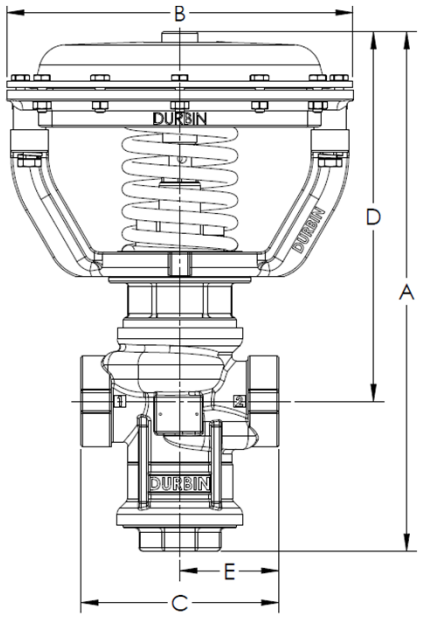
BASIC 3-WAY PIPING SCHEMATIC



SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

3-WAY SOFT SEATED DIMENSIONS

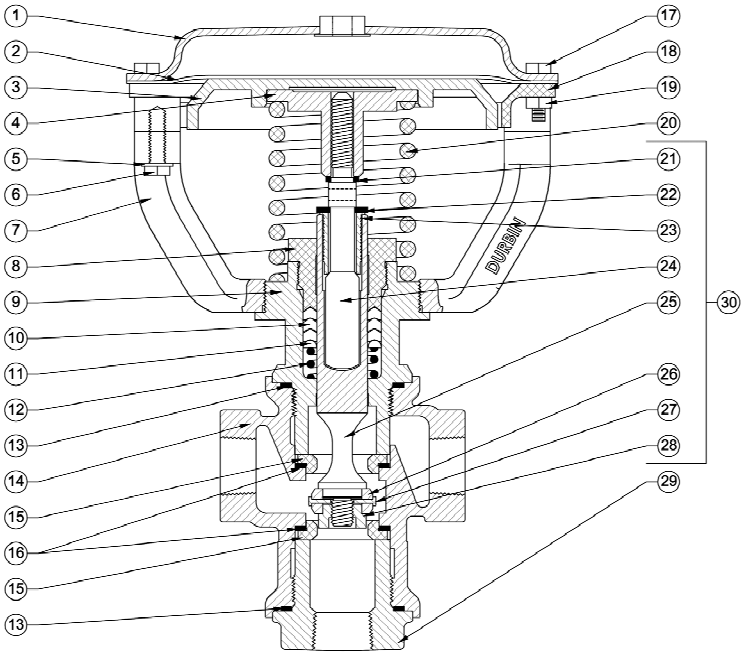


BASIC VALVE SIZE	TAP SIZE		TOP SIZE		A	B	C	D	E
1/2"	1/2" & 3/4"	3-WAY N.C & N.O. 2-WAY N.C. 2-WAY N.O. ANGLE PORTED	LARGE	INCH	10.53	7.25	3.88	7.03	1.94
				mm	267.50	184.20	98.60	178.61	49.30
			SMALL	INCH	10.53	6.50	3.88	7.03	1.94
				mm	267.50	165.10	98.60	178.60	49.30
		2-WAY N.O. INLINE PORTED	LARGE	INCH	10.53	7.25	3.88	8.41	1.94
				mm	267.50	184.20	98.60	213.60	49.30
			SMALL	INCH	10.53	6.50	3.88	8.41	1.94
				mm	267.50	165.10	98.60	213.61	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
			SMALL	INCH	13.88	8.19	5.38	11.25	2.69
				mm	352.60	208.01	136.60	285.81	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

½”-1 ½” 3WNC SOFT SEATED VALVE PARTS LIST



1/2"-2" 3W NC SOFT SEATED PARTS LIST															
NOMINAL VALVE SIZE		1/2"				1"				1-1/2"					
VALVE		D264-20051	D264-20131	D264-20061	D264-20141	D264-40051	D264-40131	D264-40061	D264-40141	D264-60051	D264-60131	D264-60061	D264-60141	D264-60191	D264-60231
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	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
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	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
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
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
28	SOFT SEAL 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
29	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
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
	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

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

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

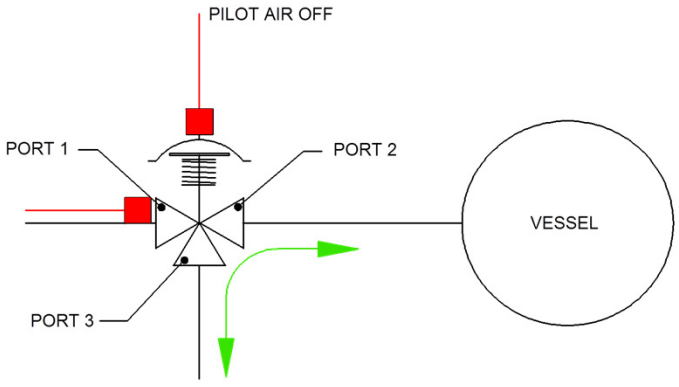
½”-1 ½” 3-WAY PIPING CONNECTIONS

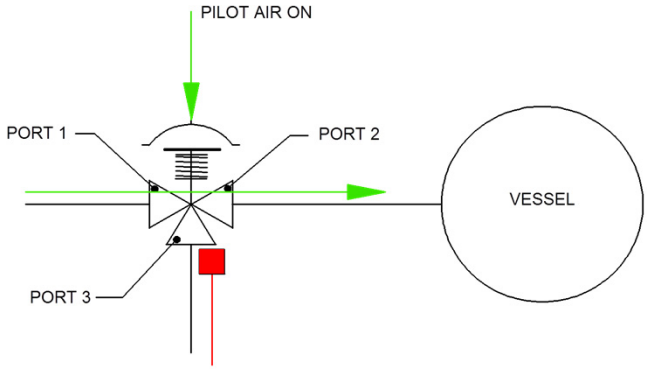
VALVE TYPE		PIPING CONNECTIONS		
		PORT 1	PORT 2	PORT 3
3-WAY	NORMALLY OPEN	DRAIN	CYLINDER	INLET
	NORMALLY CLOSED	INLET	CYLINDER	DRAIN
3-PORT	DIRECTIONAL VALVE	OUTLET	INLET	OUTLET
	MIXING VALVE	INLET	OUTLET	INLET

½”-1 ½” 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





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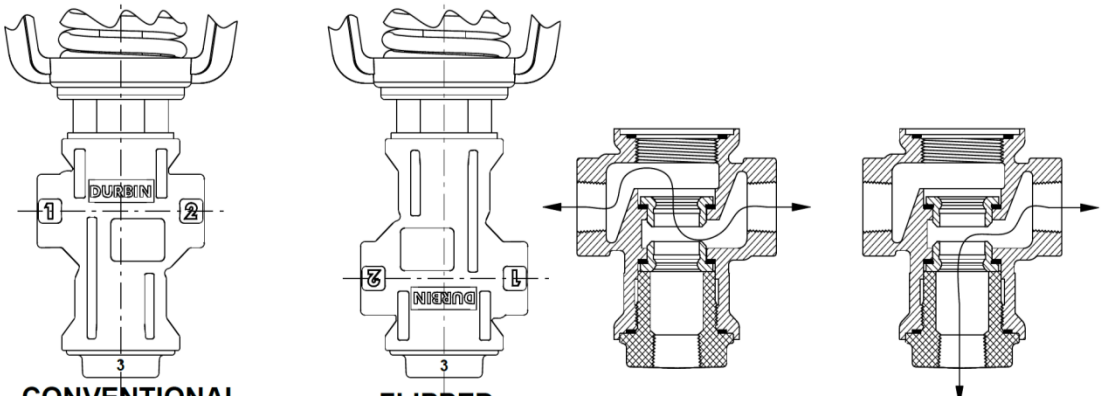
SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

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



CONVENTIONAL BODY ORIENTATION (CBO)

FLIPPED BODY ORIENTATION (FBO)

INLINE PORTING

ANGLE PORTING

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
			PRESSURE RATING	500	34	450	31							
		3/4"	MODEL	D264-20021		D264-20101		7.51	6.81	-	-	CBO	D293-157D	C213-179D
			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
			PRESSURE RATING	500	34	375	26							
		3/4"	MODEL	D274-20021		D274-20041		7.61	8.01	-	-	FBO	D293-158D	C213-143D
			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
			PRESSURE RATING	500	34	375	26							
		3/4"	MODEL	D264-20041		D264-20121		-	-	9.61	12.01	CBO	D293-158D	C213-178D
			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
			PRESSURE RATING	500	34	375	26							
		1-1/4"	MODEL	D264-40021		D264-40101		17.21	16.51	-	-	CBO	D293-147D	C213-174D
			PRESSURE RATING	500	34	375	26							
	2WNO (INLINE PORTING)	1"	MODEL	D274-40011		D274-40031		13.21	12.61	-	-	FBO	D293-147D	C213-139D
			PRESSURE RATING	500	34	275	19							
		1-1/4"	MODEL	D274-40021		D274-40041		17.91	17.01	-	-	FBO	D293-147D	C213-139D
			PRESSURE RATING	500	34	275	19							
	2WNO (ANGLE PORTING)	1"	MODEL	D264-40031		D264-40111		-	-	17.91	18.41	CBO	D293-147D	C213-175D
			PRESSURE RATING	500	34	275	19							
		1-1/4"	MODEL	D264-40041		D264-40121		-	-	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	D264-60011		D264-60091		31.91	29.71	-	-	CBO	D293-051D*	C213-182D
			PRESSURE RATING	500	34	250	17							
		1-1/2"	MODEL	D264-60021		D264-60101		35.01	32.91	-	-	CBO	D293-051D*	C213-182D
			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
			PRESSURE RATING	450	31	200	14							
		1-1/2"	MODEL	D274-60021		D274-60041		35.01	32.91	-	-	FBO	D293-054D	C213-147D
			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
			PRESSURE RATING	450	31	200	14							
		1-1/2"	MODEL	D264-60041		D264-60121		-	-	45.01	49.91	CBO	D293-054D	C213-181D
			PRESSURE RATING	450	31	200	14							

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

2-WAY HARD SEATED

Features:

Valve Type: Globe

Function: 2-way

Action: Normally Closed/Normally Open

Actuation: Pneumatic

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

Sizes: ¼”-1½" (DN 6 to DN 40)

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 32.91

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 available in normally closed or normally open. The hard- seated version provides metal-to-metal valve sealing.

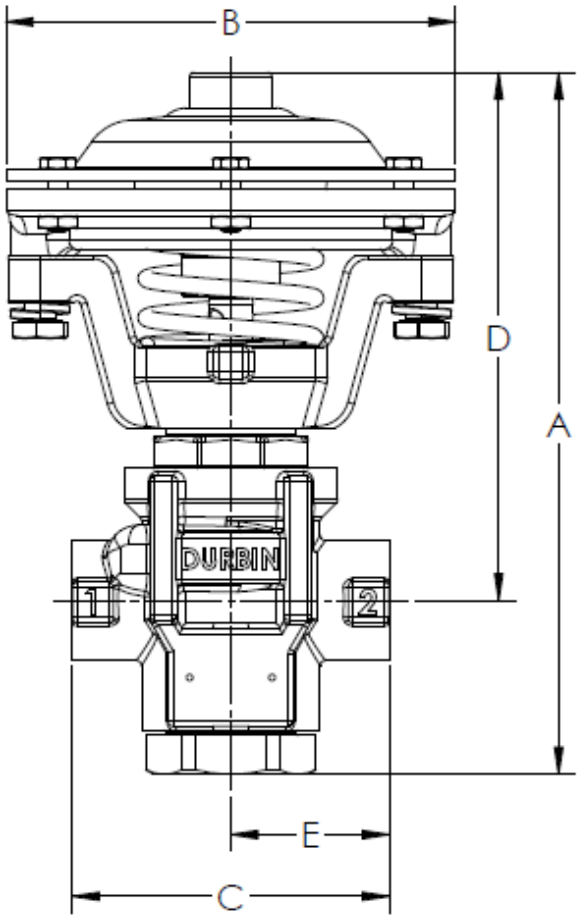
Materials of Construction: The Durbin SC style replacement series is constructed of stainless steel to protect against the damaging effects of corrosion . All wetted components are constructed from corrosion-resistant materials (CRAs) or are engineered plastic materials.

Application: This valve series is ideal for applications where a high cycle life and repeated positive shut-off is required. This 2-Way valve can be used to isolate one process fluid from another, to supply fluid or to provide a fast evacuation if normally open. 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

¼” 2WNC & 2WNO HARD SEATED DIMENSIONS

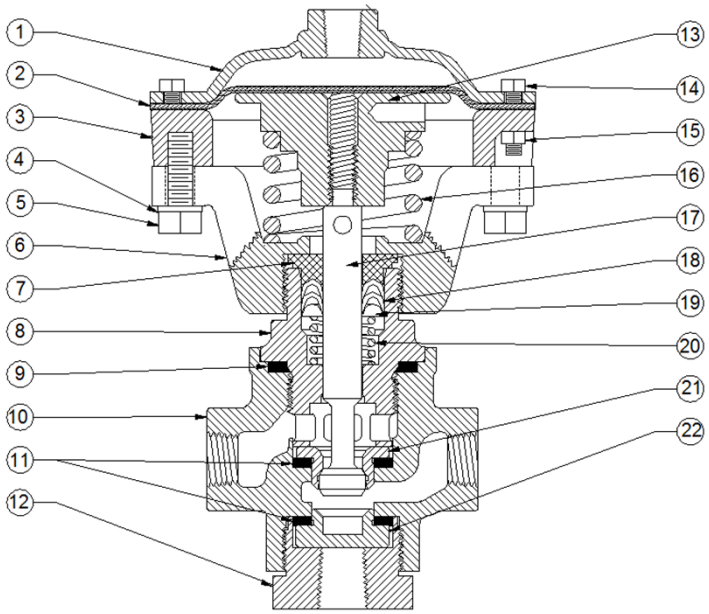


BASIC VALVE SIZE	TAP SIZE		A	B	C	D	E
1/4"	1/4" & 3/8"	INCH	6.66	4.31	3.01	5.01	1.50
		mm	169.20	109.50	76.20	127.01	38.10

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

¼” 2WNC HARD SEATED VALVE PARTS LIST

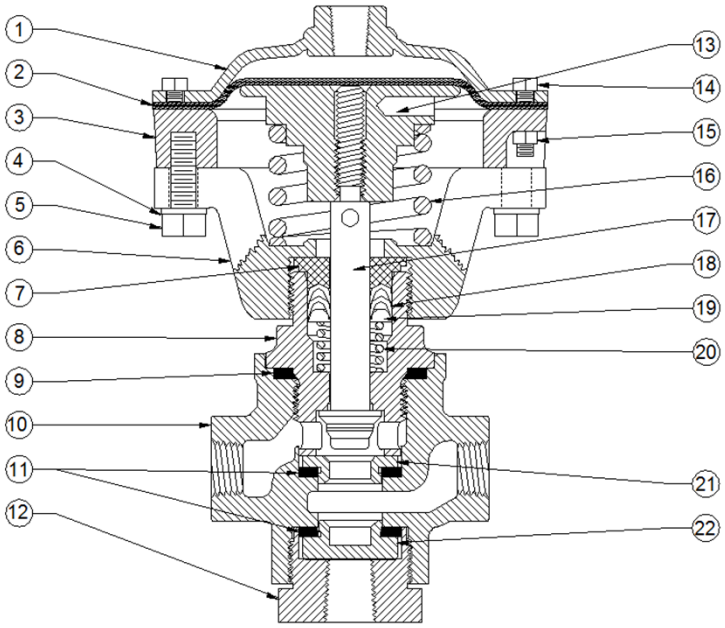


NOMINAL VALVE SIZE		1/4" 2W NORMALLY CLOSED	
VALVE		D264-00092	D264-00102
ITEM	DESCRIPTION	1/4" NPT	3/8" NPT
1	COVER/LID	M163-005D	M163-005D
2*	DIAPHRAGM	C333-056D	C333-056D
3	RING	M423-002D	M423-002D
4	LOCK WASHER (x2)	H175-16D	H175-16D
5	YOKE BOLT (x24)	H096-84D	H096-84D
6	YOKE	D283-184D	D283-184D
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 (x2)	C383-063D (x2)
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	D123-052D	D123-052D
	SWIVEL NUT	C242-049D	C242-049D

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

¼” 2WNO HARD SEATED VALVE PARTS LIST



NOMINAL VALVE SIZE		1/4" NORMALLY OPEN	
VALVE		D284-00072	D284-00082
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 (x2)	C383-063D (x2)
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	D293-129D	D293-129D
17	STEM	D093-204D	D093-204D
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	D123-052D	D123-052D
	SWIVEL NUT	C242-049D	C242-049D

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

¼" 2-WAY PIPING CONNECTIONS

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

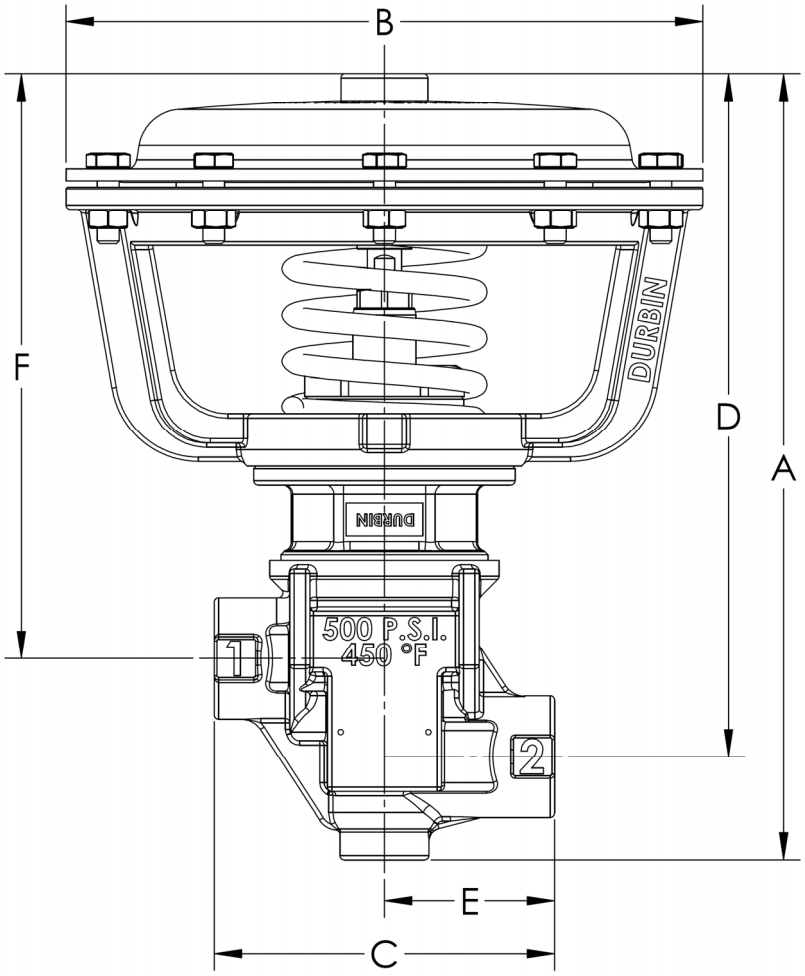
¼" 2-WAY HARD SEATED VALVE SIZING CHART

NOMINAL VALVE SIZE	STYLE	DESCRIPTION		LG TOP		CV	
				PSI	BAR	PORT 1 TO PORT 2	PORT 2 TO PORT 1
1/4"	1/4"	2WNC	MODEL	D264-00092		2.07	-
			PRESSURE RATING	500	34		
	3/8"		MODEL	D264-00102		2.57	-
			PRESSURE RATING	500	34		
	1/4"	2WNO	MODEL	D284-00072		1.81	1.86
			PRESSURE RATING	500	34		
	3/8"		MODEL	D284-00082		1.96	2.26
			PRESSURE RATING	500	34		

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

2-WAY HARD SEATED OFFSET DIMENSIONS

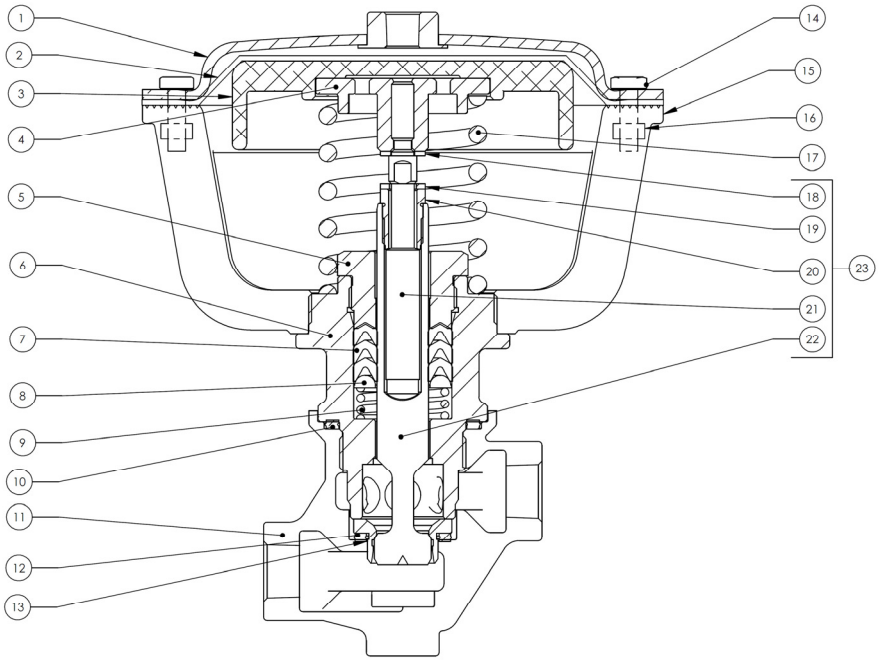


BASIC VALVE SIZE	TAP SIZE	TOP SIZE		A	B	C	D	E	F
1/2"	1/2" & 3/4"	LARGE	INCH	8.84	7.25	3.88	7.81	1.94	6.68
			mm	224.50	184.20	98.60	198.40	49.30	169.70
		SMALL	INCH	8.84	6.50	3.88	7.81	1.94	6.68
			mm	224.50	165.10	98.60	198.40	49.30	169.70

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

2WNC HARD SEATED OFFSET PARTS LIST

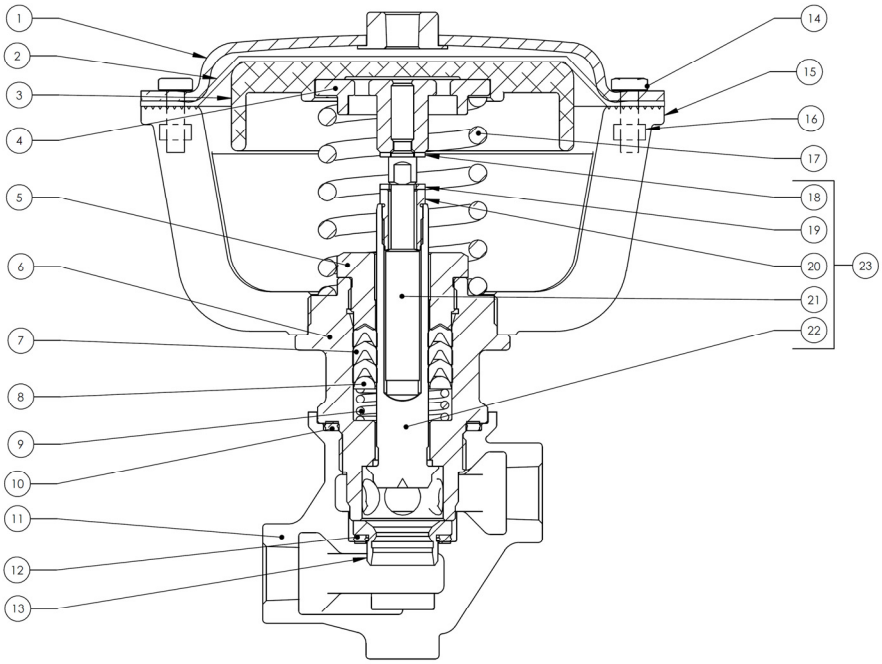


2W NC HARD SEATED OFFSET PARTS LIST					
NOMINAL VALVE SIZE		1/2"			
VALVE		D294-20012	D294-20052	D294-20022	D294-20062
ITEM	DESCRIPTION	1/2" LG TOP	1/2" SM TOP	3/4" LG TOP	3/4" SM TOP
1	COVER/LID	C293-023D	C293-018D	C293-023D	C293-018D
2*	DIAPHRAGM	C333-053D	C333-049D	C333-053D	C333-049D
3	PISTON	C783-048D	C783-032D	C783-048D	C783-032D
4	SPRING RETAINER	C883-006D	C883-006D	C883-006D	C883-006D
5	PACKING NUT	C563-008D	C563-008D	C563-008D	C563-008D
6	PACKING GLAND/ADAPTER	C013-006D	C013-006D	C013-006D	C013-006D
7*	PACKER KIT	C242-021D	C242-021D	C242-021D	C242-021D
8	PACKING SPREADER	C713-003D	C713-003D	C713-003D	C713-003D
9	PACKING SPRING	D293-001D	D293-001D	D293-001D	D293-001D
10*	BODY GASKET	C383-022D	C383-022D	C383-022D	C383-022D
11	2W BODY	C093-137D	C093-137D	C093-139D	C093-139D
12	HARD SEAT	C963-160D	C963-160D	C963-160D	C963-160D
13*	SEAT GASKET	C383-010D	C383-010D	C383-010D	C383-010D
14	HEX BOLT	H096-10D	H096-10D	H096-10D	H096-10D
15	RINGYOKE	D283-140D	D283-139D	D283-140D	D283-139D
16	HEX NUT	H060-03D	H060-03D	H060-03D	H060-03D
17	DIAPHRAGM SPRING	D293-157D	D293-157D	D293-157D	D293-157D
18	WASHER	D223-019D	D223-019D	D223-019D	D223-019D
19	DUST WASHER	H132-04D	H132-04D	H132-04D	H132-04D
20	SWIVEL NUT	C643-002D	C643-002D	C643-002D	C643-002D
21	SWIVEL STEM	D093-037D	D093-037D	D093-037D	D093-037D
22	HARD STEM	D093-088D	D093-088D	D093-088D	D093-088D
23	STEM ASSEMBLY	C332-007D	C332-007D	C332-007D	C332-007D
	SERVICE KIT	C242-050D	C242-051D	C242-050D	C242-051D

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

2WNO HARD SEATED OFFSET PARTS LIST



2W NO HARD SEATED OFFSET PARTS LIST					
NOMINAL VALVE SIZE		1/2"			
VALVE		D294-20032	D294-20072	D294-20042	D294-20082
ITEM	DESCRIPTION	1/2" LG TOP	1/2" SM TOP	3/4" LG TOP	3/4" SM TOP
1	COVER/LID	C293-023D	C293-018D	C293-023D	C293-018D
2*	DIAPHRAGM	C333-053D	C333-049D	C333-053D	C333-049D
3	PISTON	C783-048D	C783-032D	C783-048D	C783-032D
4	SPRING RETAINER	C883-006D	C883-006D	C883-006D	C883-006D
5	PACKING NUT	C563-008D	C563-008D	C563-008D	C563-008D
6	PACKING GLAND/ADAPTER	C013-006D	C013-006D	C013-006D	C013-006D
*	PACKER KIT	C242-021D	C242-021D	C242-021D	C242-021D
8	PACKING SPREADER	C713-003D	C713-003D	C713-003D	C713-003D
9	PACKING SPRING	D293-001D	D293-001D	D293-001D	D293-001D
10*	BODY GASKET	C383-022D	C383-022D	C383-022D	C383-022D
11	2W BODY	C093-137D	C093-137D	C093-139D	C093-139D
12	HARD SEAT	C963-160D	C963-160D	C963-160D	C963-160D
13*	SEAT GASKET	C383-010D	C383-010D	C383-010D	C383-010D
14	HEX BOLT	H096-10D	H096-10D	H096-10D	H096-10D
15	RINGYOKE	D283-140D	D283-139D	D283-140D	D283-139D
16	HEX NUT	H060-03D	H060-03D	H060-03D	H060-03D
17	DIAPHRAGM SPRING	D293-158D	D293-158D	D293-158D	D293-158D
18	WASHER	D223-019D	D223-019D	D223-019D	D223-019D
19	DUST WASHER	H132-04D	H132-04D	H132-04D	H132-04D
20	SWIVEL NUT	C643-002D	C643-002D	C643-002D	C643-002D
21	SWIVEL STEM	D093-037D	D093-037D	D093-037D	D093-037D
22	HARD STEM	D093-189D	D093-189D	D093-189D	D093-189D
23	STEM ASSEMBLY	C332-014D	C332-014D	C332-014D	C332-014D
	SERVICE KIT	C242-050D	C242-051D	C242-050D	C242-051D

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

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

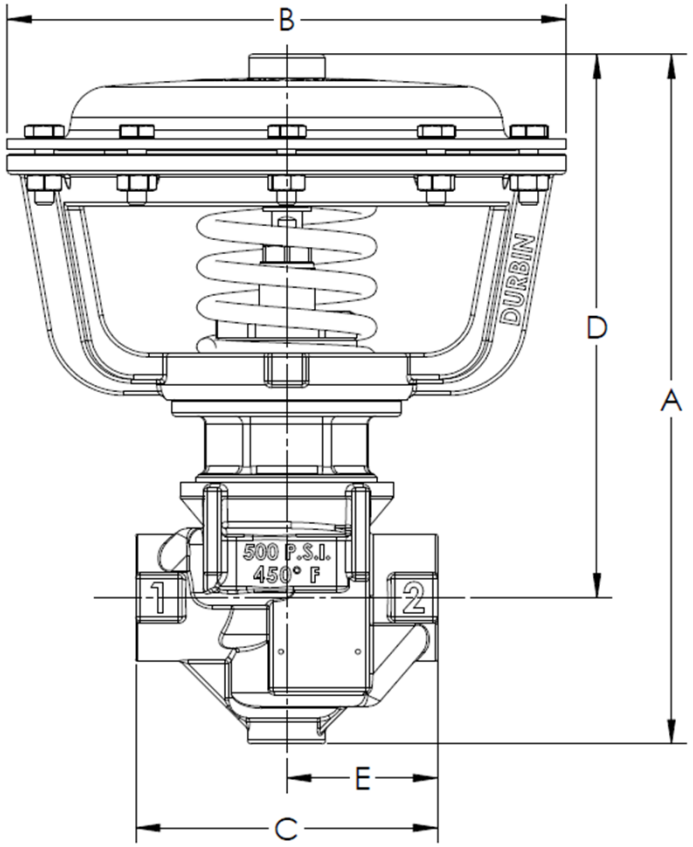
2W HARD SEATED OFFSET VALVE SIZING CHART

2-WAY HARD SEATED VALVE MODELS									
NOMINAL VALVE SIZE	STYLE	DESCRIPTION		LG TOP		SM TOP		CV	
				PSI	BAR	PSI	BAR	PORT 1 TO PORT 2	PORT 2 TO PORT 1
1/2"	2WNC	1/2"	MODEL	D294-20012		D294-20052		6.5	6.1
			PRESSURE RATING	500	34	500	34		
		3/4"	MODEL	D294-20022		D294-20062		8.4	7.6
			PRESSURE RATING	500	34	500	34		
	2WNO	1/2"	MODEL	D294-20032		D294-20072		6.9	6.4
			PRESSURE RATING	500	34	500	34		
		3/4"	MODEL	D294-20042		D294-20082		8.8	8.1
			PRESSURE RATING	500	34	500	34		

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

2-WAY HARD SEATED DIMENSIONS

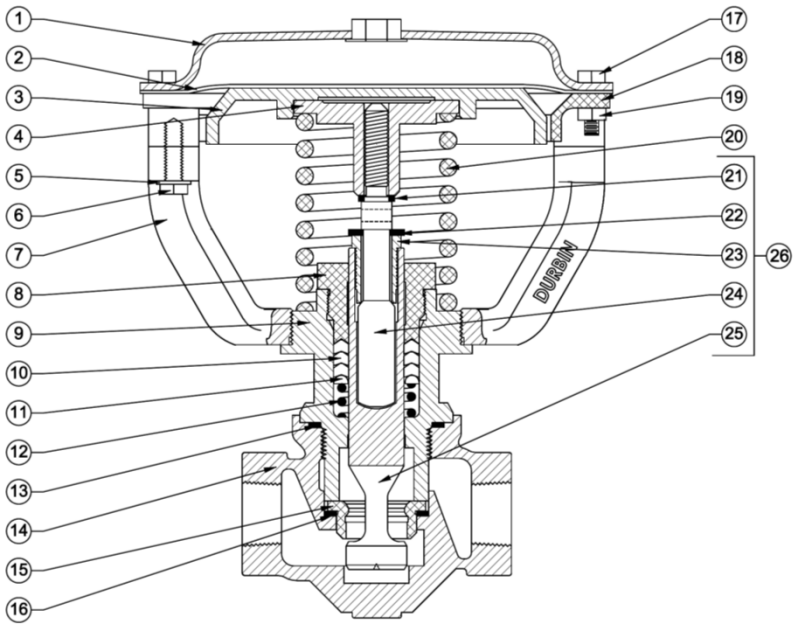


BASIC VALVE SIZE	TAP SIZE	TOP SIZE		A	B	C	D	E
1/2"	1/2" & 3/4"	LARGE	INCH	8.84	7.25	3.88	7.03	1.94
			mm	224.50	184.20	98.60	178.60	49.30
		SMALL	INCH	8.84	6.50	3.88	7.03	1.94
			mm	224.50	165.10	98.60	178.60	49.30
1"	1" & 1-1/4"	LARGE	INCH	12.01	9.50	5.38	10.01	2.69
			mm	304.80	241.30	136.60	254.01	68.30
		SMALL	INCH	11.88	8.19	5.38	9.88	2.69
			mm	301.80	208.01	136.60	251.01	68.30
1-1/2"	1-1/2"	LARGE	INCH	15.06	11.75	6.50	12.56	3.25
			mm	382.50	298.40	165.10	31.01	82.60
		SMALL	INCH	15.09	9.50	6.50	12.59	3.25
			mm	383.30	241.30	165.10	319.80	82.60

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

½”-1 ½” 2WNC HARD SEATED VALVE PARTS LIST



1/2"-1-1/2"2W NC HARD SEATED PARTS LIST											
NOMINAL VALVE SIZE		1/2"				1"				1-1/2"	
VALVE		D284-20012	D284-20052	D284-20022	D284-20062	D284-40012	D284-40052	D284-40022	D284-40062	D284-60022	D284-60062
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	1-1/2" LG TOP	1-1/2" 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
2*	DIAPHRAGM	C333-053D	C333-049D	C333-053D	C333-049D	C333-051D	C333-050D	C333-051D	C333-050D	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
4	SPRING RETAINER	C883-006D	C883-006D	C883-006D	C883-006D	C883-008D	C883-008D	C883-008D	C883-008D	C883-009D	C883-009D
5	LOCK WASHER (x4)	-	-	-	-	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
7	YOKE	-	-	-	-	D283-186D	D283-185D	D283-186D	D283-185D	D283-099D	D283-100D
8	PACKING NUT	C563-008D	C563-008D	C563-008D	C563-008D	C563-015D	C563-015D	C563-015D	C563-015D	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
10*	PACKER KIT	C242-021D	C242-021D	C242-021D	C242-021D	C242-022D	C242-022D	C242-022D	C242-022D	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
12	PACKING SPRING	D293-001D	D293-001D	D293-001D	D293-001D	D293-002D	D293-002D	D293-002D	D293-002D	D293-004D	D293-004D
13*	BODY GASKET	C383-022D	C383-022D	C383-022D	C383-022D	C383-028D	C383-028D	C383-028D	C383-028D	C383-032D	C383-032D
14	2W BODY	C093-136D	C093-136D	C093-138D	C093-138D	C093-140D	C093-140D	C093-142D	C093-142D	C093-146D	C093-146D
15	HARD SEAT	C963-008D	C963-008D	C963-008D	C963-008D	C963-052D	C963-052D	C963-052D	C963-052D	C963-085D	C963-085D
16*	SEAT GASKET	C383-010D	C383-010D	C383-010D	C383-010D	C383-019D	C383-019D	C383-019D	C383-019D	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
18	RING/RINGYOKE	D283-140D	D283-139D	D283-140D	D283-139D	C893-022D	C893-048D	C893-022D	C893-048D	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
20	DIAPHRAGM SPRING	D293-157D	D293-157D	D293-157D	D293-157D	D293-147D	D293-147D	D293-147D	D293-147D	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
23	SWIVEL NUT	C643-002D	C643-002D	C643-002D	C643-002D	C643-006D	C643-006D	C643-006D	C643-006D	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
25	HARD STEM	D093-088D	D093-088D	D093-088D	D093-088D	D093-147D	D093-147D	D093-147D	D093-147D	D093-173D	D093-173D
26	STEM ASSEMBLY	C332-007D	C332-007D	C332-007D	C332-007D	C332-022D	C332-022D	C332-022D	C332-022D	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

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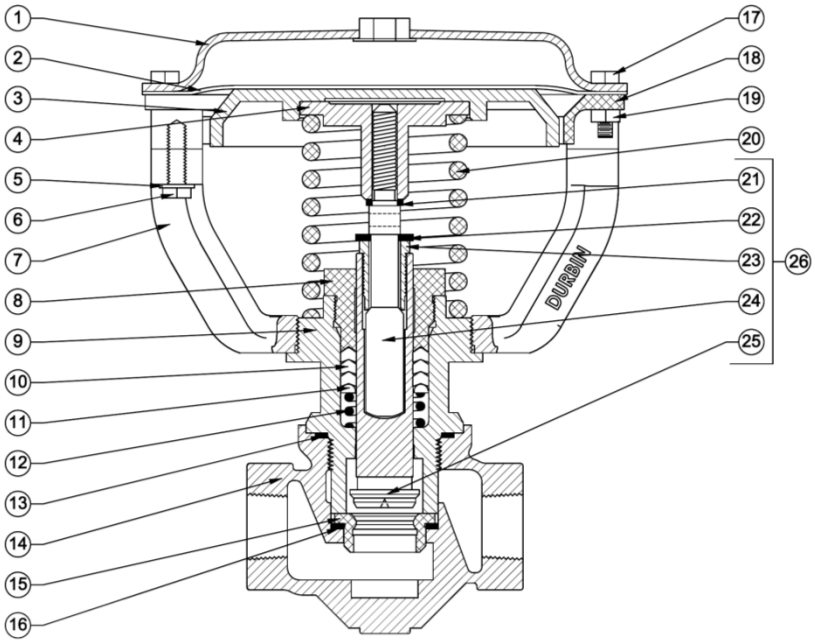
SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

½”-1 ½” 2WNO HARD SEATED VALVE PARTS LIST



1/2"-1-1/2" 2W NO HARD SEATED PARTS LIST											
NOMINAL VALVE SIZE		1/2"				1"				1-1/2"	
VALVE		D284-20032	D284-20072	D284-20042	D284-20082	D284-40032	D284-40072	D284-40042	D284-40082	D284-60042	D284-60082
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	1-1/2" LG TOP	1-1/2" 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
2*	DIAPHRAGM	C333-053D	C333-049D	C333-053D	C333-049D	C333-051D	C333-050D	C333-051D	C333-050D	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
4	SPRING RETAINER	C883-006D	C883-006D	C883-006D	C883-006D	C883-008D	C883-008D	C883-008D	C883-008D	C883-009D	C883-009D
5	LOCK WASHER (x4)	-	-	-	-	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
7	YOKE	-	-	-	-	D283-186D	D283-185D	D283-186D	D283-185D	D283-099D	D283-100D
8	PACKING NUT	C563-008D	C563-008D	C563-008D	C563-008D	C563-015D	C563-015D	C563-015D	C563-015D	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
10*	PACKER KIT	C242-021D	C242-021D	C242-021D	C242-021D	C242-022D	C242-022D	C242-022D	C242-022D	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
12	PACKING SPRING	D293-001D	D293-001D	D293-001D	D293-001D	D293-002D	D293-002D	D293-002D	D293-002D	D293-004D	D293-004D
13*	BODY GASKET	C383-022D	C383-022D	C383-022D	C383-022D	C383-028D	C383-028D	C383-028D	C383-028D	C383-032D	C383-032D
14	2W BODY	C093-136D	C093-136D	C093-138D	C093-138D	C093-140D	C093-140D	C093-142D	C093-142D	C093-146D	C093-146D
15	HARD SEAT	C963-008D	C963-008D	C963-008D	C963-008D	C963-052D	C963-052D	C963-052D	C963-052D	C963-085D	C963-085D
16*	SEAT GASKET	C383-010D	C383-010D	C383-010D	C383-010D	C383-019D	C383-019D	C383-019D	C383-019D	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
18	RING/RINGYOKE	D283-140D	D283-139D	D283-140D	D283-139D	C893-022D	C893-048D	C893-022D	C893-048D	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
20	DIAPHRAGM SPRING	D293-158D	D293-158D	D293-158D	D293-158D	D293-147D	D293-147D	D293-147D	D293-147D	D293-054D	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
23	SWIVEL NUT	C643-002D	C643-002D	C643-002D	C643-002D	C643-006D	C643-006D	C643-006D	C643-006D	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
25	HARD STEM	D093-189D	D093-189D	D093-189D	D093-189D	D093-188D	D093-188D	D093-188D	D093-188D	D093-175D	D093-175D
26	STEM ASSEMBLY	C332-014D	C332-014D	C332-014D	C332-014D	C332-037D	C332-037D	C332-037D	C332-037D	C332-045D	C332-045D
	SERVICE KIT	C242-050D	C242-051D	C242-050D	C242-051D	C242-052D	C242-053D	C242-052D	C242-053D	C242-054D	C242-055D

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SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

½”-1 ½” 2-WAY PIPING CONNECTIONS

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

½”-1 ½” 2W 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
1/2"	2WNC	1/2"	MODEL	D284-20012		D284-20052		5.61	6.11
			PRESSURE RATING	500	34	500	34		
		3/4"	MODEL	D284-20022		D284-20062		7.41	7.01
			PRESSURE RATING	500	34	500	34		
	2WNO	1/2"	MODEL	D284-20032		D284-20072		6.11	6.51
			PRESSURE RATING	500	34	500	34		
		3/4"	MODEL	D284-20042		D284-20082		7.61	8.01
			PRESSURE RATING	500	34	500	34		
1"	2WNC	1"	MODEL	D284-40012		D284-40052		12.81	12.31
			PRESSURE RATING	500	34	500	34		
		1-1/4"	MODEL	D284-40022		D284-40062		17.01	16.31
			PRESSURE RATING	500	34	500	34		
	2WNO	1"	MODEL	D284-40032		D284-40072		13.21	12.61
			PRESSURE RATING	500	34	500	34		
		1-1/4"	MODEL	D284-40042		D284-40082		17.91	17.01
			PRESSURE RATING	500	34	500	34		
1-1/2"	2WNC	1-1/2"	MODEL	D284-60022		D284-60062		32.51	31.01
			PRESSURE RATING	500	34	500	34		
	2WNO	1-1/2"	MODEL	D284-60042		D284-60082		32.01	32.91
			PRESSURE RATING	500	34	500	34		

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

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: 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: 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.

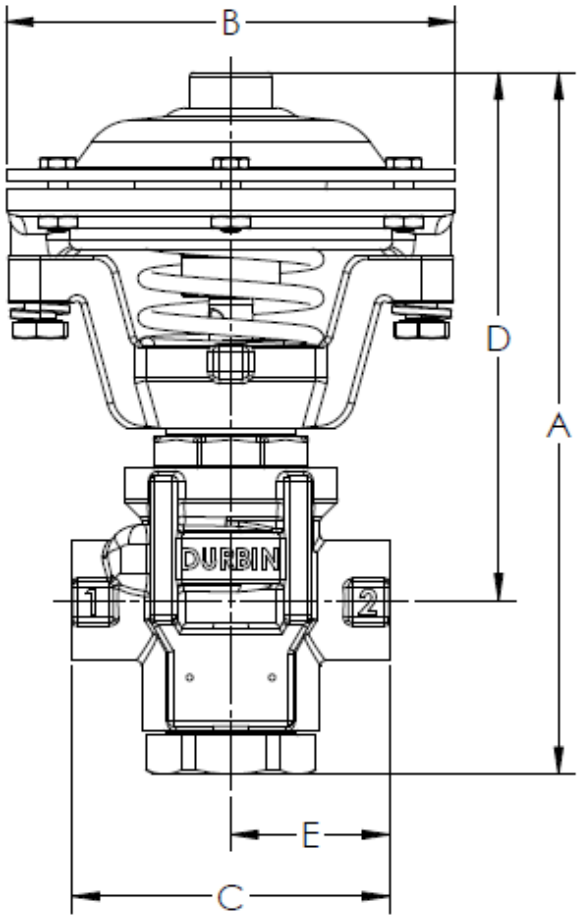
•**Materials of Construction:** The Durbin SC style replacement series is constructed of stainless steel to protect against the damaging effects of corrosion. All wetted components are constructed from corrosion-resistant materials (CRAs) or are engineered plastic materials.

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

¼” 3WNC HARD SEATED DIMENSIONS

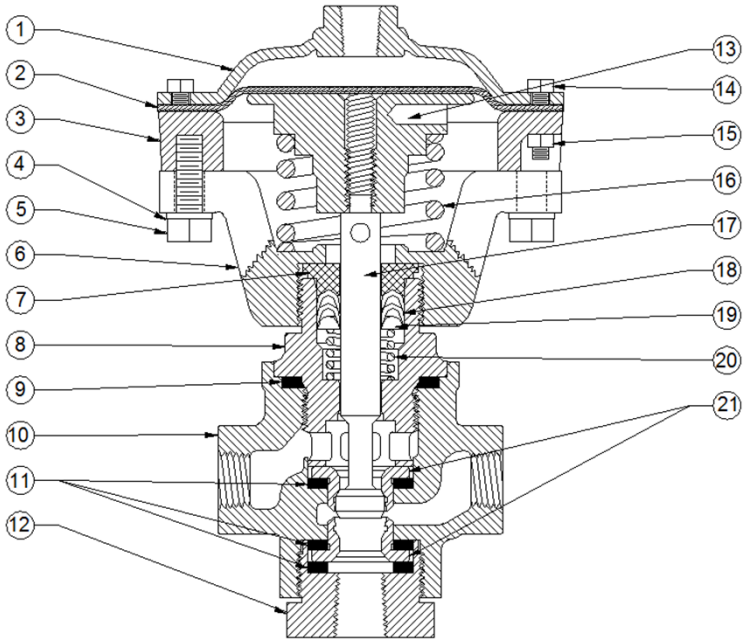


BASIC VALVE SIZE	TAP SIZE		A	B	C	D	E
1/4"	1/4" & 3/8"	INCH	6.66	4.31	3.01	5.01	1.50
		mm	169.20	109.50	76.20	127.01	38.10

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

¼” 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

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

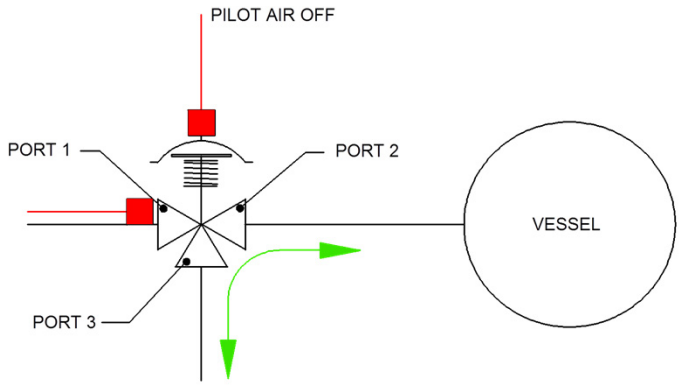
¼" 3-WAY PIPING CONNECTIONS

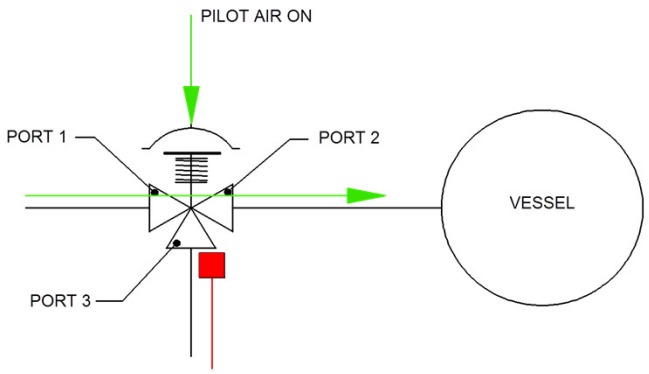
VALVE TYPE		PIPING CONNECTIONS		
		PORT 1	PORT 2	PORT 3
3-WAY	NORMALLY OPEN	DRAIN	CYLINDER	INLET
	NORMALLY CLOSED	INLET	CYLINDER	DRAIN
3-PORT	DIRECTIONAL VALVE	OUTLET	INLET	OUTLET
	MIXING VALVE	INLET	OUTLET	INLET

¼" 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





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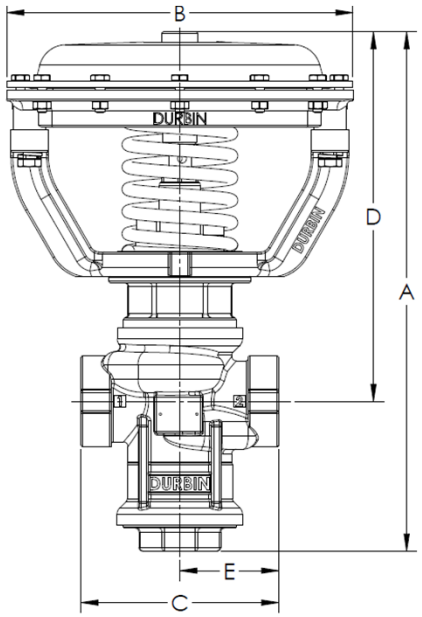
SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

3-WAY HARD SEATED DIMENSIONS

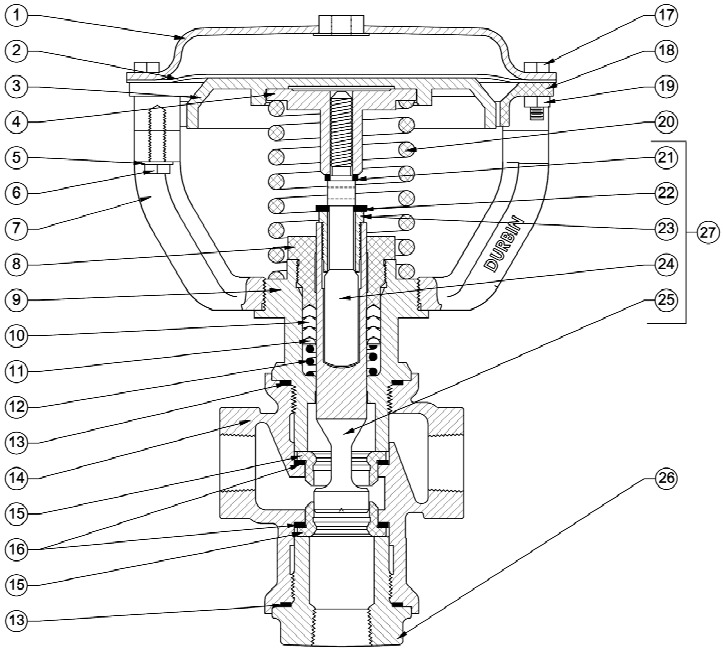


BASIC VALVE SIZE	TAP SIZE		TOP SIZE		A	B	C	D	E
1/2"	1/2" & 3/4"	3-WAY N.C & N.O. 2-WAY N.C. 2-WAY N.O. ANGLE PORTED	LARGE	INCH	10.53	7.25	3.88	7.03	1.94
				mm	267.50	184.20	98.60	178.61	49.30
			SMALL	INCH	10.53	6.50	3.88	7.03	1.94
				mm	267.50	165.10	98.60	178.60	49.30
		2-WAY N.O. INLINE PORTED	LARGE	INCH	10.53	7.25	3.88	8.41	1.94
				mm	267.50	184.20	98.60	213.60	49.30
			SMALL	INCH	10.53	6.50	3.88	8.41	1.94
				mm	267.50	165.10	98.60	213.61	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
			SMALL	INCH	13.88	8.19	5.38	11.25	2.69
				mm	352.60	208.01	136.60	285.81	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

½”-1 ½” 3WNC HARD SEATED VALVE PARTS LIST



1/2"-2" 3W NC HARD SEATED PARTS LIST																
NOMINAL VALVE SIZE		1/2"				1"				1-1/2"						
VALVE		D264-20052	D264-20132	D264-20062	D264-20142	D264-40052	D264-40132	D264-40062	D264-40142	D264-60052	D264-60132	D264-60062	D264-60142	D264-60192	D264-60232	
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	C32-022D	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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SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

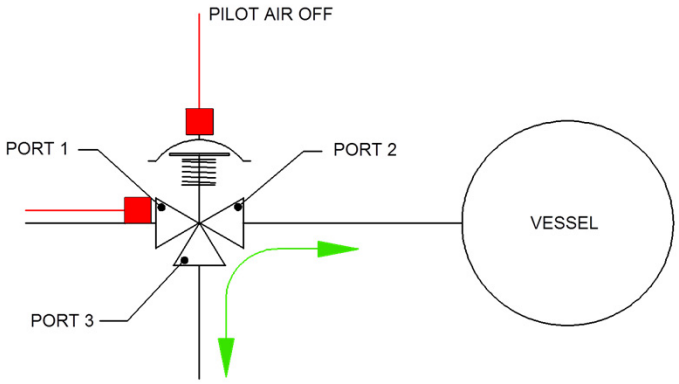
½”-1 ½” 3-WAY PIPING CONNECTIONS

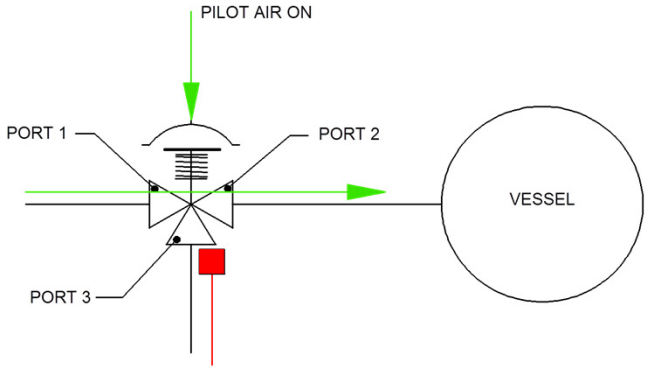
VALVE TYPE		PIPING CONNECTIONS		
		PORT 1	PORT 2	PORT 3
3-WAY	NORMALLY OPEN	DRAIN	CYLINDER	INLET
	NORMALLY CLOSED	INLET	CYLINDER	DRAIN
3-PORT	DIRECTIONAL VALVE	OUTLET	INLET	OUTLET
	MIXING VALVE	INLET	OUTLET	INLET

½”-1 ½” 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





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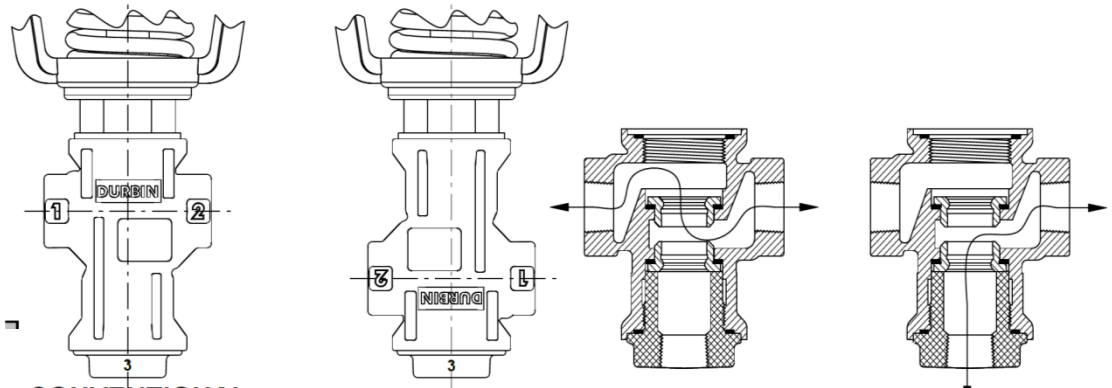
SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

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



CONVENTIONAL BODY ORIENTATION (CBO)

FLIPPED BODY ORIENTATION (FBO)

INLINE PORTING

ANGLE PORTING

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							

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

¼” 3WNC SOFT SEATED RESTRICTED FLOW D204-0003 VALVE

Features:

Valve Type: Globe

Function: 3-way / Directional

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

Actuation: Pneumatic

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

Sizes: ¼” (DN 6)

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 2.41

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 available in normally closed or normally open (fail-safe close or fail-safe open).

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.

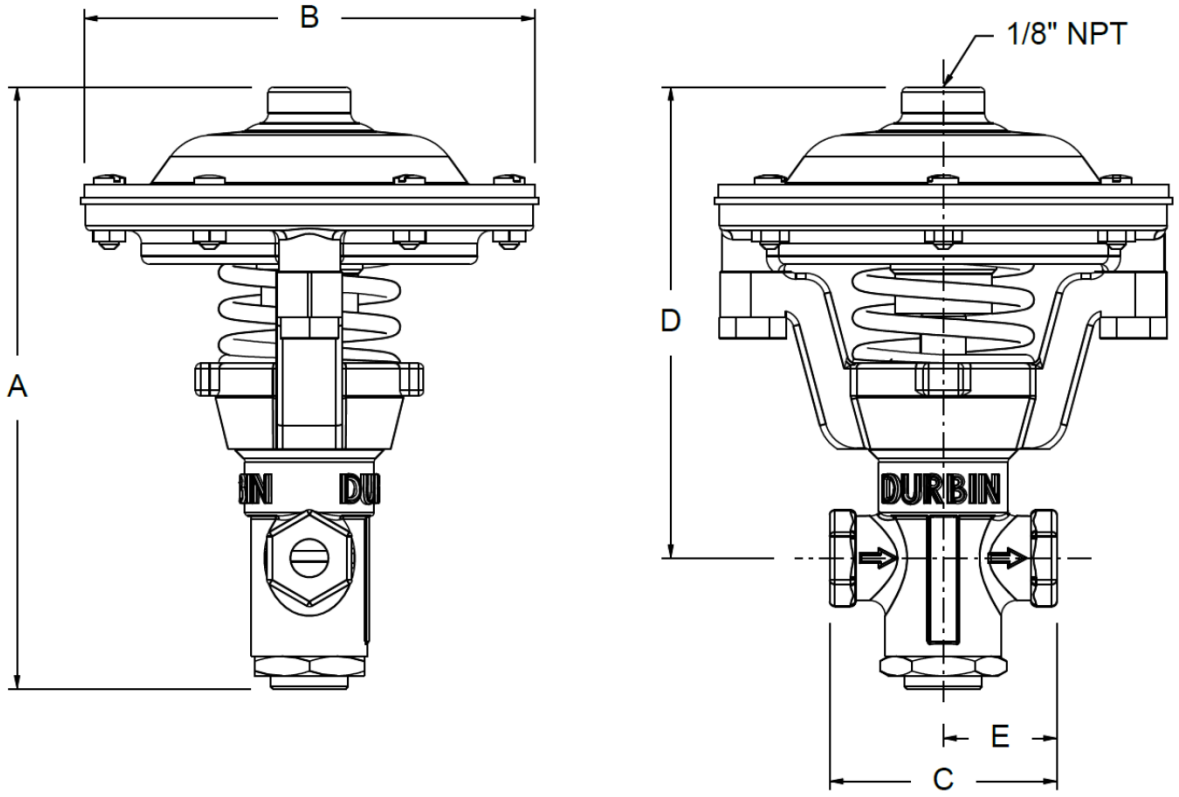
Application: This valve series is ideal for use as an instrument pilot valve to control pneumatic signals from process instruments. The valve compact design is ideal for instrumentation protection and for 2-way and 3-way applications. The stem travel is extremely short and has a near instantaneous response.

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

¼” 3WNC SOFT SEATED RESTRICTED FLOW

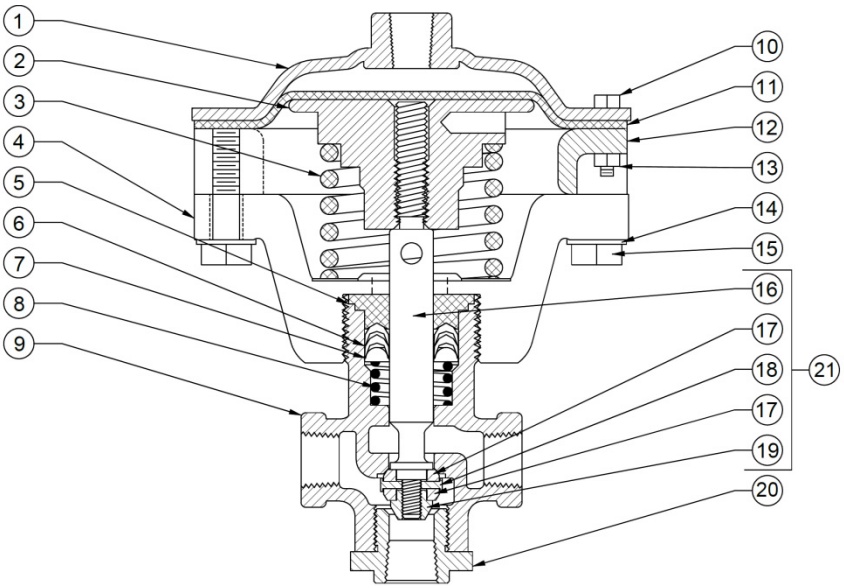
D204-0003 VALVE DIMENSIONS



BASIC VALVE SIZE	TAP SIZE		A	B	C	D	E
1/4"	1/4" & 3/8"	INCH	5.65	4.31	2.19	4.39	1.10
		mm	143.50	109.50	35.60	110.20	17.80

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE



D204-0003 VALVE PARTS LIST

1/4" SOFT SEATED PARTS LIST		
NOMINAL VALVE SIZE		1/4" 2W NORMAL
VALVE		D264-00091
ITEM	DESCRIPTION	1/4" NPT
1	COVER/LID	M163-005D
2	SPRING RETAINER/PISTON	C783-141D
3	DIAPHRAGM SPRING	D293-130D
4	YOKE	D283-184D
5	PACKING RETAINER	C603-030D
6*	PACKER KIT	C242-024D
7	PACKING SPREADER	C713-017D
8	PACKING SPRING	D293-131D
9	BODY	C093-329D
10	LID BOLT (x6)	H109-09D
11*	DIAPHRAGM	C333-056D
12	RING	M423-002D
13	LID NUT (x6)	H064-16D
14	LOCK WASHER	H175-16D
15	YOKE BOLT (x2)	H096-84D
16	STEM	D093-279D
17*	SOFT SEAT SEAL (x2)	C343-067D
18	SEAL WASHER	C353-011D
19	SEAL NUT	C553-027D
20	BOTTOM SEAT	C973-064D
21	STEM ASSEMBLY	C332-124
	SERVICE KIT	C242-074D

SC STYLE REPLACEMENT VALVES

DURBIN INDUSTRIAL VALVE

D204-0003 VALVE SIZING & COFIGURATION CHART

NOMINAL VALVE SIZE	PORT TAP NPT	DESCRIPTION		PSI	BAR	Cv			
						PORT 1 TO PORT 2	PORT 2 TO PORT 1	PORT 2 TO PORT 3	PORT 3 TO PORT 2
1/4"	1/4"	SOFT	MODEL	D204-00031		1.41	1.61	2.11	2.41
			PRESSURE RATING	500	34				
	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	
3-WAY	NORMALLY OPEN			DRAIN		CYLINDER		INLET	
	NORMALLY CLOSED			INLET		CYLINDER		DRAIN	
3-PORT	DIRECTIONAL VALVE			OUTLET		INLET		OUTLET	
	MIXING VALVE			INLET		OUTLET		INLET	