



DURBIN 500 PSI SERIES
DURBIN INDUSTRIAL VALVE

Durbin Industrial Valve
500 psi Series (D500#)
2-way valves



DURBIN 500 PSI SERIES

DURBIN INDUSTRIAL VALVE

2-WAY SOFT SEATED



Features:

Valve Type: [Globe](#)

Function: 2-way / Isolation

Action: Normally Closed or Normally Open

Actuation: Pneumatic

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

Sizes: ½"-1¼"(DN 15 to DN 32)

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 30.25

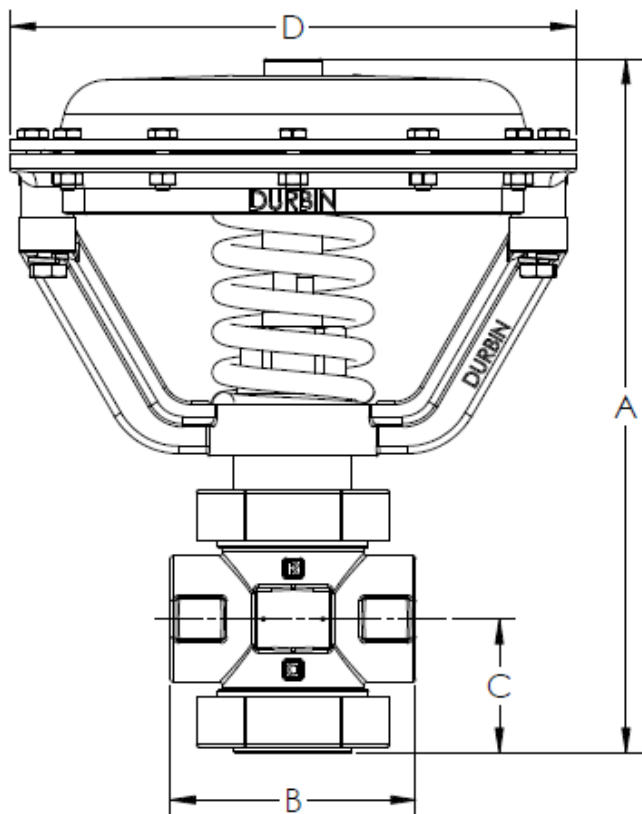
Media: Most process fluid types; gas, liquids and steam

Overview: The Durbin 500# 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 500# 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 500# series can handle the application with the reliability, durability and repeatability that customers desire

2WNO & 2WNC VALVE DIMENSIONS

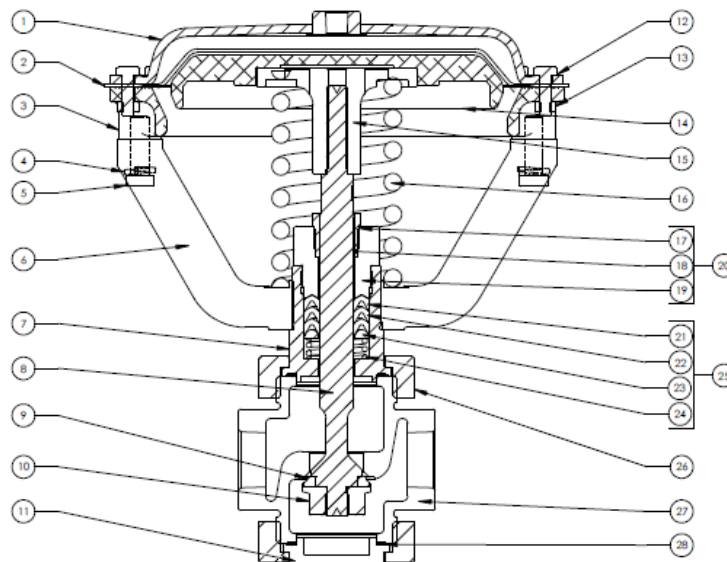


2WNO & 2WNC NPT DIMENSIONS					
ITEM		1/2"	3/4"	1"	1-1/4"
A	IN	9 1/2"	9 1/2"	11 3/4	11 3/4
	mm	241	241	298	298
B	IN	3 3/4	3 3/4	4 1/4"	4 1/4"
	mm	95	95	108	108
C	IN	1 3/4	1 3/4	2 1/4	2 1/4
	mm	44	44	57	57
D	IN	7"	7"	9 1/2"	9 1/2"
	mm	178	178	241	241

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DURBIN INDUSTRIAL VALVE

2WNC VALVE PARTS LIST



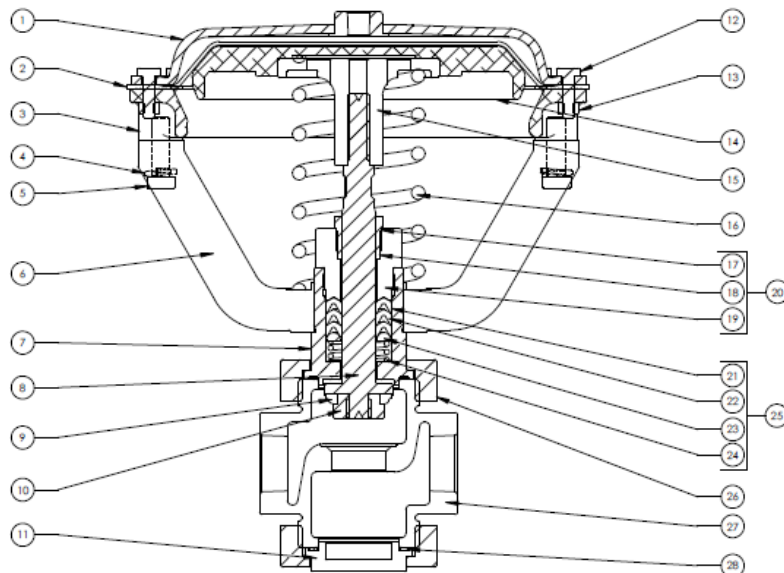
2-WAY N/C 500 PSI					
	VALVE NUMBER	D2821	D2831	D2841	D2851
	Cv RATING	Cv 12.5	Cv 16	Cv 23.5	Cv 30.25
ITEM	DESCRIPTION	PART #	PART #	PART #	PART #
1	LID	C293-023DR	C293-023DR	C293-030DR	C293-030DR
2*	DIAPHRAGM	C333-053D	C333-053D	C333-051D	C333-051D
3	RING	C893-015D-SS	C893-15D-SS	C893-022D-SS	C893-022D-SS
4	LOCK WASHER	H175-21	H175-21	H175-21	H175-21
5	HEX BOLT	H096-55	H096-55	H096-50	H096-50
6	YOKE	D283-025D-SS	D283-025D-SS	D283-062D-SS	D283-062D-SS
7	PACKING GLAND	C113-056D	C113-056D	C013-008D-SS	C013-008D-SS
8	STEM	D093-024D	D096-024D	D093-025D	D093-025D
9*	SEAL	C343-12VP	C343-12VP	C343-35D	C343-35D
10	STEM NUT	C553-019	C553-019D	C553-023D	C553-023D
11	BOTTOM CAP	C213-016D-SS	C213-016D-SS	C213-020D-SS	C213-020D-SS
12	HEX BOLT	H096-10	H096-10	H096-10	H096-10
13	HEXT NUT	H060-03	H060-03	H060-03	H060-03
14	PISTON	C783-044D-IC	C783-044D-IC	C783-081D-AL	C783-081D-AL
15	SPRING RETAINER			C883-069D	C883-069D
16	SPRING	D293-028-5DR	D293-028-5DR	D293-147-5DR	D293-147-5DR
17	SNAP RING	H090-16	H090-16		
18	PACK NUT BRUSHING	DF523	DF523	DF524	DF524
19	PACKING NUT	C853-093D	C853-093D	C563-009D-SS	C563-009D-SS
20	PACKING NUT ASSY	C853-091D	C853-091D		
21*	PACKER	H220-21	H220-21	H220-20	H220-20
22*	PACKER	C683-076D	C683-076D	C683-050D	C683-050D
23	PACKER SPREADER	C713-017D	C713-017D	C713-003D	C713-003D
24	PACKING SPRING	D293-131Y	D293-131Y	D293-001Y	D293-001Y
25	PACKING KIT	C242-024D	C242-024D	C242-021D	C242-021D
26	UNION NUT	C663-022D-SS	C663-022D-SS	C663-026D-SS	C663-026D-SS
27	BODY	VP400-SS	VP401-SS	DB506-SS	DB507-SS
28*	GASKET	C383-080D	C383-080D	C383-082D	C383-082D
	SERVICE KIT	D821-D	D831-S	D841-S	D851-S

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

DURBIN 500 PSI SERIES

DURBIN INDUSTRIAL VALVE

2WNO VALVE PARTS LIST



2-WAY N/O 500 PSI					
	Valve number	D2820	D2830	D2840	D2850
	Cv RATING	Cv 12.5	Cv 16	Cv 23.5	Cv 30.25
ITEM	DESCRIPTION	PART #	PART #	PART #	PART #
1	LID	C293-023DR	C293-023DR	C293-030DR	C293-030DR
2*	DIAPHRAGM	C333-053D	C333-053D	C333-051D	C333-051D
3	RING	C893-015D-SS	C893-015D-SS	C893-022D-SS	C893-022D-SS
4	WASHER LOCK	H175-21	H175-21	H175-21	H175-21
5	HEX BOLT	H096-55	H096-55	H096-50	H096-50
6	YOKE	D283-025D-SS	D283-025D-SS	D283-062D-SS	D283-062D-SS
7	PACKING GLAND	C113-056D	C113-56D	C013-008D-SS	C013-008D-SS
8	STEM	D093-028D	D093-028D	D093-034D	D093-034D
9*	SEAL	C343-12VP	C343-12VP	C343-35D	C343-35D
10	STEM NUT	C553-017D	C553-017D	C553-024D	C553-024D
11	BOTTOM CAP	C213-016D-SS	C213-016D-SS	C213-020D-SS	C213-020D-SS
12	HEX BOLT	H096-10	H096-10	H096-10	H096-10
13	HEX UT	H060-03	H060-03	H060-03	H060-03
14	PISTON	C783-044D-IC	C783-044D-IC	C783-081D-AL	C783-081D-AL
15	SPRING RETAINER			C883-069D	C883-069D
16	SPRING NC	D293-070DR	D293-070DR	D293-071DR	D293-071DR
17	SNAP RING	H090-16	H090-16		
18	PACK NUT BUSHING	DF523	DF523	DF524	DF524
19	PACKING NUT	C853-093D	C853-093D	C563-009D-SS	C563-009D-SS
20	PACKING NUT ASSEMBLY	C853-091D	C853-091D		
21*	PACKER	H220-21	H220-21	H220-20	H220-20
22*	PACKER	C683-076D	C683-076D	C683-050D	C683-050D
23	PACKING SPREADER	C713-017D	C713-017D	C713-003D	C713-003D
24	PACKING SPRING	D293-131Y	D293-131Y	D293-001Y	D293-001Y
25	PACKING KIT	C242-024D	C242-024D	C242-021D	C242-021D
26	UNION NUT	C663-022D-SS	C663-022D-SS	C663-026D-SS	C663-026D-SS
27	BODY	VP400-SS	VP401-SS	DB506-SS	DB507-SS
28*	GASKET	C383-080D	C383-080D	C383-082D	C383-082D
	SERVICE KIT	D820-S	D830-S	D840-S	D850-S