

# SERIES 2000

## Pneumatic Spring Return Automated Ball Valve

### Direct Mount



#### Design Construction and Features

- ❖ 2000 PSIG WOG
- ❖ Integral top plate for direct mount actuation
- ❖ Top plate is open for leak detection
- ❖ Seal welded CF8M body
- ❖ Full port / threaded ends
- ❖ 316SS ball & stem
- ❖ Blowout proof stem / floating ball
- ❖ Adjustable packing
- ❖ Available in sizes ½", ¾", 1", 1½", 2"
- ❖ Fire tested & certified to API 607
- ❖ Conforms to NACE MR0175 / ISO 15156 specifications
- ❖ Designed as per API 608 and tested as per API 598



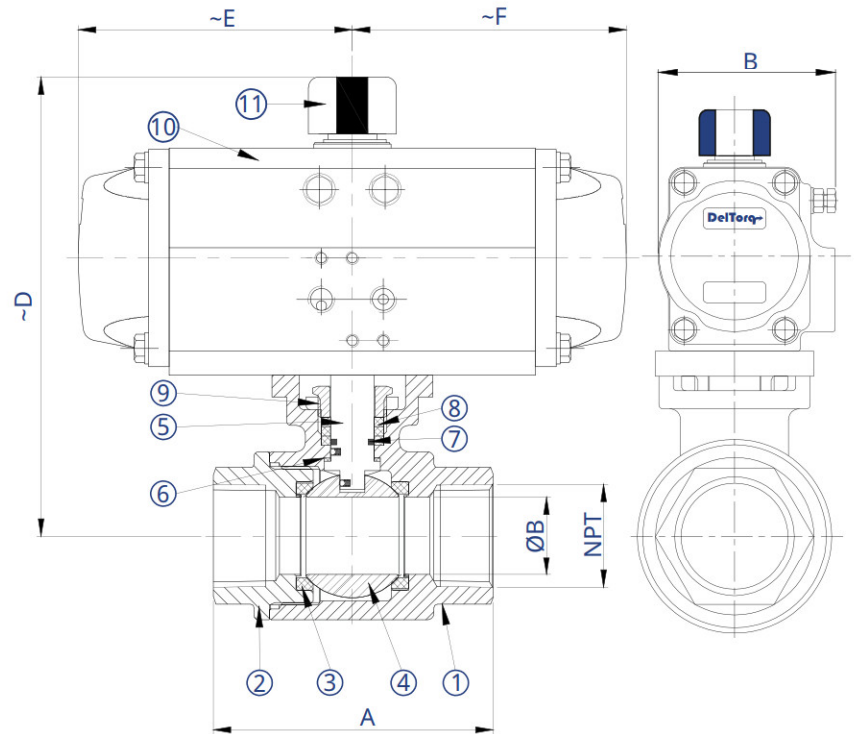
Direct Mount

#### Part List

Item	Description	Standard Material*
1	Body	ASTM A 351 CF8M
2	Cap	ASTM A 351 CF8M
3**	Seat	RPTFE
4	Ball	ASTM A182 F316
5**	Stem	ASTM A276 SS316
6**	Stem Seal	PTFE
7	O-Ring	Viton®
8**	Packing	PTFE
9	Packing Gland	ASTM A276 SS304
10	Actuator	Pneumatic Rack & Pinion Actuator
11	Local Position Indicator	Standard

\*Other materials from above may be available upon request.

\*\*Recommended spares.



#### Pressure Rating

Pressure Rating	Hydrostatic Shell Test	Hydrostatic Seat Test	Pneumatic Seat Test
	Psi(g)	Psi(g)	Psi(g)
<b>2000 Psi</b>	3000	2200	73-102

#### Standards and Specifications

**Design Standard:** Generally conforms to API 608/ASME B 16.34

**Face to Face Dimension :** As Per Manufacturing Standard

**Testing Standard:** API 598

**Fail Position:** Refer Chart

Actuator Mounting Parallel to Pipe Line

## Optional Accessories

### Series 83 DelMonitor:

This valve position monitor mounts directly to the top of the actuator with a special compact bracket. The standard highly visible indicator shows valve position locally, and the internal switches indicate valve position to a remote location. Standard switches are two single pole double throw (SPDT). Micro switches are rated at 10 amps, 125 or 250 VAC, 220 VDC. The housing is rated to IP65/IP67.

### Series 85 3-Way and 4-Way Solenoid Valve:

Series 85 solenoid valves are 3-way or 4-way, 5 ported 2 position piloted spool type single or dual solenoid valves designed for air or gas service. Valves are made of rugged anodized aluminum. A built-in manual operator allows manual operation when desired or during an electrical power outage. All valves are supplied with all necessary hardware for a direct mount installation.

## Dimensions (Inch)

Sizes	Part No.	Actuator Size*	Air Fail Safe Position	A	ØB	D	E	F	Weight (Lbs)
1/2"	SS2050-DAV	055 DA	Fail Last	2.48	0.59	5.12	3.31	3.31	4.60
	SS2050-SDV	055 SR	Fail Close						5.10
	SS2050-BDV	055 SR	Fail Open						5.10
3/4"	SS2075-DAV	055 DA	Fail Last	3.07	0.79	5.90	3.31	3.31	5.51
	SS2075-SDV	055 SR	Fail Close						6.61
	SS2075-BDV	055 SR	Fail Open						6.61
1"	SS2100-DAV	065 DA	Fail Last	3.54	0.98	6.89	4.19	4.19	7.81
	SS2100-SDV	065 SR	Fail Close						8.91
	SS2100-BDV	065 SR	Fail Open						8.91
1 1/2"	SS2150-DAV	100 DA	Fail Last	4.64	1.5	9.06	5.79	5.79	19.84
	SS2150-SDV	100 SR	Fail Close						22.04
	SS2150-BDV	100 SR	Fail Open						22.04
2"	SS2200-DAV	100 DA	Fail Last	5.35	1.89	9.06	5.79	5.79	26.40
	SS2200-SDV	100 SR	Fail Close						28.60
	SS2200-BDV	100 SR	Fail Open						28.60

\*Actuator sizing done at minimum 80 psig air supply.

## How to Order

MOC	Series	Size	Type (with Actuator)
SS=A351 Gr. CF8M body SS316 ball & stem	2=Series 2000 Threaded Ball Valve (2000psig WOG)	050=1/2"	SDV=Shut Down Valve (Fail Closed)
		075=3/4"	BDV=Blow Down Valve (Fail Open)
		100=1"	DAV=Double Acting
		150=1 1/2"	
		200=2"	

Example: Part Number for a Stainless Steel (CF8M body, SS316 ball & stem), Series 2000 (2000psig WOG) Threaded Ball Valve, 1", Shut Down Valve (Fail Closed) with actuator would be **SS2100-SDV**

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