DelVal Series 2000 Shut Down Ball Valve

The DelVal Series 2000 is a threaded, full-port stainless steel ball valve built for shut-down duty, offered in 1/2", 1" and 2" sizes with a 2000 psi pressure rating.

Key data	
Size range	1/2", 1", 2"
Pressure rating	2000 psi
Body type	Threaded
Design standard	API 608, ASME B16.34



Pressure and temperature ratings

Pressure rating and test pressures (psig)

Pressure rating	Hydrostatic shell test	Hydrostatic seat test	Pneumatic seat test
	Psi(g)	Psi(g)	Psi(g)
2000 Psi	3000	2200	73-102

Standards and specifications

Actuator Mounting Parallel to Pipe Line

Design and testing

Item	Detail
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

Dimensions and weights

Valve with actuator, by size (inch)

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

*Actuator sizing done at minimum 80 psig air supply.

Key to dimension letters

Item	Detail
A	End-to-end length
ØB	Bore diameter
D	Pipe centreline to top of position indicator (approx.)
E	Valve centreline to left end of actuator (approx.)
F	Valve centreline to right end of actuator (approx.)

Materials of construction

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.

Ordering code

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=½"	SDV=Shut Down Valve (Fail Closed)
SS=A351 Gr. CF8M body SS316 ball & stem	2=Series 2000 Threaded Ball Valve (2000psig WOG)	075=¾”	BDV=Blow Down Valve (Fail Open)
		100=1"	DAV=Double Acting
		150=1½”	
		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

For a quotation, send the size, pressure rating, materials, operator and quantity to UEC by phone, WhatsApp or email. Data as published by DelVal Flow Controls; DelVal and DelTorq are trademarks of DelVal Flow Controls.