DelVal Series D65/D69 Automated Floating Ball Valve

The DelVal Series D65/D69 is a two-piece flanged floating ball valve supplied with its actuator as one automated package, in sizes 1/2" to 8" and ANSI Class 150.



Key data	
Sizes	1/2" to 8"
Pressure rating	ANSI Class 150
Body material	CF8M and WCB
Seat	Ultra

Pressure and temperature ratings

Temperature limits by material

Part	Material	Lower limit	Upper limit
BODY	WCB	-20°F (-29°C)	800°F (425°C)
BODY	CF8M	-320°F (-196°C)	1000°F (538°C)
SEAT	ULTRA	-58°F (-50°C)	500°F (260°C)
SEAL	HNBR	-50°F (-46°C)	300°F (149°C)
SEAL	VITON®	-5°F (-21°C)	392°F (200°C)

Note: These ratings are a guide for general service.
Please consult UEC for specific recommendations.

Standards and specifications

Standards and specifications

Item	Detail
Design	API 6D, ASME B16.34
Face to Face	API 6D, ASME B16.10
Testing	API 6D, API 598, ISO 5208
Pressure Temperature	ASME B16.34
Flange Accommodation	ASME B16.5
NACE	ANSI/ASME MR 0175/ISO 15156-1
Fire Safe Certified	API 6FA /API 607
Compliance	PED 2014/68/EU
Body Style	Flanged end
Size Range	½" to 8"

Dimensions and weights

Dimensions marked ~ are indicative and may vary.

Key to dimension letters

Item	Detail
A	Face-to-face length
ØB	Bore diameter
ØB1	Bore diameter at valve ends (D69 reduced port)
ØC	Raised face diameter
ØD	Flange outside diameter
~R	Pipe centreline to top of actuator (indicative)
~J	Bottom of flange to top of actuator (indicative)
E	Actuator length, left of stem centreline

Item	Detail
F	Actuator length, right of stem centreline
G	Actuator width, one side of centreline
H	Actuator width, other side of centreline

Dimensions and weights

D65 Class 150 full port with actuator, 80 psi air (inch) (columns 1 of 2)

Valve size	Actuator model (SR)	A	ØB	ØC	ØD	~R (SR)	E (SR)	F (SR)	G (SR)	H (SR)	~J (SR)	Actuator model (DA)
½”	055 SR	4.25	0.59	1.38	3.50	6.30	3.31	3.31	1.24	1.63	8.07	055 DA
¾"	055 SR	4.61	0.79	1.69	3.94	6.50	3.31	3.31	1.24	1.63	8.46	055 DA
1"	065 SR	5.00	0.98	2.01	4.33	7.48	4.18	4.18	1.44	1.90	9.65	065 DA
1½"	085 SR	6.50	1.50	2.87	4.92	9.06	5.39	5.39	1.87	2.52	11.61	065 DA
2"	085 SR	7.01	2.01	3.62	5.91	9.25	5.39	5.39	1.87	2.52	12.20	065 DA
2½"	100 SR	7.48	2.44	4.13	7.09	10.63	5.79	5.79	2.17	2.93	14.17	075 DA
3"	115 SR	7.99	2.99	5.00	7.48	11.81	6.89	6.89	2.48	3.29	15.55	085 DA
4"	150 SR	9.02	4.02	6.19	9.06	14.96	9.40	9.40	3.21	4.00	19.49	100 DA
6"	200 SR	10.51	5.91	8.50	11.02	19.69	12.64	12.64	4.29	5.35	25.20	150 DA
8"	250-08 SR 80	17.99	7.95	10.63	13.58	on request	on request	on request	on request	on request	on request	200 DA

D65 Class 150 full port with actuator, 80 psi air (inch) (columns 2 of 2)

Valve size	~R (DA)	E (DA)	F (DA)	G (DA)	H (DA)	~J (DA)
½”	6.30	3.31	3.31	1.24	1.63	8.07
¾"	6.50	3.31	3.31	1.24	1.63	8.46
1"	7.48	4.18	4.18	1.44	1.90	9.65
1½"	8.27	4.18	4.18	1.44	1.90	10.63
2"	8.46	4.18	4.18	1.44	1.90	11.42
2½"	9.65	4.63	4.63	1.63	2.29	13.19
3"	10.63	5.39	5.39	1.87	2.52	14.17
4"	12.40	5.79	5.79	2.17	2.93	16.93
6"	17.32	9.40	9.40	3.21	4.00	22.83
8"	22.83	12.64	12.64	4.29	5.35	29.61

D69 Class 150 reduced port with actuator, 80 psi air (inch) (columns 1 of 2)

Valve size	Actuator model (SR)	A	ØB	ØB1	ØC	ØD	~R (SR)	E (SR)	F (SR)	G (SR)	H (SR)	~J (SR)
¾"	055 SR	4.61	0.59	0.79	1.69	3.94	6.30	3.31	3.31	1.24	1.63	8.27
1"	055 SR	5.00	0.79	0.98	2.01	4.33	6.50	3.31	3.31	1.24	1.63	8.66
1½"	065 SR	6.50	0.98	1.50	2.87	4.92	7.48	4.18	4.18	1.44	1.90	10.04
2"	085 SR	7.01	1.50	2.01	3.62	5.91	9.06	5.39	5.39	1.87	2.52	12.01
2½"	085 SR	7.48	2.01	2.44	4.13	7.09	9.25	5.39	5.39	1.87	2.52	12.80
3"	100 SR	7.99	2.44	2.99	5.00	7.48	10.63	5.79	5.79	2.17	2.93	14.37
4"	115 SR	9.02	2.99	4.02	6.19	9.06	11.81	6.89	6.89	2.48	3.29	16.34
6"	150 SR	10.51	4.02	5.91	8.50	11.02	14.96	9.40	9.40	3.21	4.00	20.47
8"	200 SR	17.99	5.91	7.95	10.63	13.58	19.69	12.64	12.64	4.29	5.35	26.57

D69 Class 150 reduced port with actuator, 80 psi air (inch) (columns 2 of 2)

Valve size	Actuator model (DA)	~R (DA)	E (DA)	F (DA)	G (DA)	H (DA)	~J (DA)
¾"	055 DA	6.30	3.31	3.31	1.24	1.63	8.27
1"	055 DA	6.50	3.31	3.31	1.24	1.63	8.66
1½"	065 DA	7.48	4.18	4.18	1.44	1.90	10.04
2"	065 DA	8.27	4.18	4.18	1.44	1.90	11.22
2½"	065 DA	8.46	4.18	4.18	1.44	1.90	12.01
3"	075 DA	9.65	4.63	4.63	1.63	2.29	13.19
4"	085 DA	10.43	5.39	5.39	1.87	2.52	14.96
6"	100 DA	12.40	5.79	5.79	2.17	2.93	17.91
8"	150 DA	17.32	9.40	9.40	3.21	4.00	24.02

Ordering code

How to order

Series	Valve Size	Valve Body	Actuator Type	Solenoid	Limit Switch	Other Options
XXX	XX	X	X	X	X	X
D65 = Class 150 FP	05 = 1/2"	C = CS	80 psi Air Supply	0 = None	0 = None	0 = None
D69 = Class 150 RP	07 = 3/4"	S = SS	1 = DA	1 = WP, 120 VAC	D = Standard DelVal Mechanical Switch	M = Modulating Control (Electric)
	10 = 1"		2 = SR, FC	2 = EXP, 120 VAC	X = Explosion Proof Mechanical Switch	H = HNBR Seals
	15 = 1.5"		3 = SR, FO	3 = WP, 12 VDC		
	20 = 2"		60 psi Air Supply	4 = EXP, 12 VDC		
	25 = 2.5"		4 = DA	5 = WP, 24 VDC		
	30 = 3"		5 = SR, FC	6 = EXP, 24 VDC		
	40 = 4"		6 = SR, FO			
	60 = 6"		WP Electric Actuator			
	80 = 8"		7 = 110 VAC			

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.