DelVal Series 65-72 Floating Ball Valve

The DelVal Series 65-72 is a family of flanged floating ball valves with raised face ends, covering 1/2" to 12" (DN 15 to 300, varying by series) in Class 150, 300, 600 and 900.



Key data	
Size range	1/2" to 12" (DN 15 to 300) varies by series
Pressure rating	Series 65/69 – Class 150; Series 66/70 – Class 300; Series 67/71 – Class 600; Series 68/72 – Class 900
Body type	Flanged RF
Design standard	BS EN ISO 17292, ASME B16.34, API 6D, API 608

Pressure and temperature ratings

Temperature limits by material

Material / Group	Material	*Temperature Limits / Lower Limit / °F	*Temperature Limits / Lower Limit / °C	*Temperature Limits / Upper Limit / °F	*Temperature Limits / Upper Limit / °C
BODY	WCB	-20	-29	800	425
BODY	LCB	-50	-46	650	345
BODY	CF8/CF3	-320	-196	1000	538
BODY	CF8M/CF3M	-320	-196	1000	538
SEAT	PTFE	-40	-40	392	200
SEAT	RPTFE	-58	-50	428	220
SEAT	ULTRA	-58	-50	500	260
SEAT	ULTRA-X	-58	-50	500	260
SEAT	DEVLON®	-58	-50	302	150
SEAT	PEEK	-58	-50	500	260
SEAT	DELRIN	14	-10	176	80
SEAL	HNBR-AED	-50	-46	302	150
SEAL	VITON® AED	5	-15	392	200
SEAL	VITON® B	-4	-20	392	200

*Pressure-temperating rating shall be lesser of the shell rating or the seat rating or seal rating.
Note: These ratings are a guide for general service.
Please consult UEC for specific recommendations.

Standards and specifications

* Pressure-temperature rating shall be the lesser of the shell rating or the seat rating or the seal rating.
** Consult UEC for sizes not listed.

Standards and specifications

Item	Detail
Design	API 6D, BS EN ISO 17292, 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, BS EN 1092
Butt Weld Ends	ASME B16.25
NACE	ANSI/ASME MR 0175/ISO 15156-1
Fire Safe Certified	API 6FA/API 607
Fugitive Emission	ISO 15848 -1&2
Compliance	PED 2014/68/EU
Body Style	Flanged end/Butt weld end
Rating	ASME Class 150, 300, 600, 900

Item	Detail
***Temp Range**	-46°C to 200°C; -50°F to 392°F
****Size Range**	½" to 12"

Dimensions and weights

Weights are approximate.

Key to dimension letters

Item	Detail
A	Face-to-face length (LP: long pattern, SP: short pattern)
T	End flange thickness
ØB	Bore diameter
ØB1	Bore diameter at valve ends (reduced port)
ØC	Raised face diameter
ØD	End flange outside diameter
E	Pipe centreline to top flange face
ØG	Stem diameter
H	Stem width across flats
J	Stem projection above top flange

Materials of construction

*Other materials may be available upon request.
**Recommended spares.
Note: lifting lugs/supports are not provided, unless otherwise specified by customer.

Sizes ½" to 3", Class 150 and 300

Item	Description	*Standard Material
1	Body	ASTM A216 WCB ASTM A351 CF8/CF8M/CF3/CF3M ASTM A995 4A/5A/6A
2	End Connector	ASTM A216 WCB ASTM A351 CF8/CF8M/CF3/CF3M ASTM A995 4A/5A/6A
3	Ball	ASTM A351 CF8M/CF8/CF3M ASTM A995 4A/5A/6A ASTM A182 F316/F304/F316L/F51/F53/F55
4**	Seat	PTFE/RPTFE/PEEK/ULTRA
5	Stem	ASTM A479 SS316/SS304/SS316L/SS304L/XM-19/S31803 ASTM A182 F51/F53/F55 ASTM A564 17- 4PH Type 630
6**	Body Gasket	GRAPHITE
7	Studs	ASTM A193 B7/B7M/B8/B8M
8	Nuts	ASTM A194 2H/2HM/8/8M
9**	Stem Seal	RPTFE/ULTRA/PEEK
10**	Stem 'O' Ring	VITON-B®/HNBR
11**	Stem Packing	GRAPHITE
12	Gland	ASTM A479 SS304
13**	Belleville Washers	EN 51 CR V4/ASTM A240 SS304
14**	Soc Hd Cap Screw	ISO 3506 A2-70
15	Gland Nut	ASTM A479 SS410/SS304

Sizes 4" and above, Class 150 and 300

Item	Description	*Standard Material
1	Body	ASTM A216 WCB ASTM A351 CF8/CF8M/CF3/CF3M ASTM A995 4A/5A/6A
2	End Connector	ASTM A216 WCB ASTM A351 CF8/CF8M/CF3/CF3M ASTM A995 4A/5A/6A
3	Ball	ASTM A351 CF8M/CF8/CF3M ASTM A995 4A/5A/6A ASTM A182 F316/F304/F316L/F51/F53/F55
4**	Seat	PTFE/RPTFE/PEEK/ULTRA
5	Stem	ASTM A479 SS316/SS304/SS316L/SS304L/XM-19/S31803 ASTM A182 F51/F53/F55 ASTM A564 17- 4PH Type 630
6**	Body Gasket	GRAPHITE SS316+GRAPHITE (from 6” onward)
7	Studs	ASTM A193 B7/B7M/B8/B8M
8	Nuts	ASTM A194 2H/2HM/8/8M
9**	Stem Seal	RPTFE/ULTRA/PEEK
10**	Stem 'O' Ring	VITON-B®/HNBR
11**	Stem Packing	GRAPHITE
12	Gland	ASTM A479 SS304
13**	Belleville Washers	EN 51 CR V4/ASTM A240 SS304
14**	Soc Hd Cap Screw	ISO 3506 A2-70
15	Gland Nut	ASTM A479 SS410/SS304
16**	Body 'O' Ring (from 5” and above)	VITON-B®/HNBR

Class 600 and 900

Item	Description	*Standard Material
1	Body	ASTM A216 WCB ASTM A351 CF8/CF8M/CF3/CF3M ASTM A995 4A/5A/6A
2	End Connector	ASTM A216 WCB ASTM A351 CF8/CF8M/CF3/CF3M ASTM A995 4A/5A/6A
3	Ball	ASTM A182 F316/F304/F316L/F51/F53/F55
4**	Seat	PEEK/ULTRA-X/DEVLON
5	Stem	ASTM A479 S31803/XM-19 ASTM A182 F51/F53/F55 ASTM A564 17-4 PH TYPE 630
6**	Body Gasket	GRAPHITE
7	Studs	ASTM A193 B7/B7M/B8/B8M
8	Nuts	ASTM A194 2H/2HM/8/8M
9**	Stem Seal	PEEK/ULTRA
10**	Stem 'O' Ring	VITON-B®/HNBR
11**	Stem Packing	GRAPHITE
12	Gland	ASTM A479 SS304
13**	Belleville Washers	EN 51 CR V4/ASTM A240 SS304
14**	Locking Clip (upto 3/4“)	ASTM A240 SS304
15**	Body 'O' Ring	VITON-B®/HNBR
16	Hex Lock Nut (upto 3/4“)	ISO 3506 A2-70
17**	Soc Hd Cap Screw (1“ and above)	ISO 3506 A2-70
18	Gland Nut (1” and above)	ASTM A479 SS410/SS304

Other technical data

Operation options

Item	Detail
Lever Operated	Valves up to size 6" FP and 8" RP Class 150, 4" FP and 6" RP Class 300 and 2" FP and 3" RP Class 600 and 900 can be supplied with handles for manual operation. Pad locking arrangement is provided as an option to prevent unauthorized operation.
Gear Operated	Valves of all sizes can be mounted with gear operators for manual operation. Gear operators can also be attached with chain-wheel operators to open or close valves located on pipelines at high elevations.
Actuator Operated	All valves can be mounted with pneumatic or electric actuators for complete on-off automation. Valves can be also mounted with manual overrides.

Dimensions and weights

Class 150, full port, Series 65 (mm) (columns 1 of 2)

Valve Size / Inch	Valve Size / DN	A / LP	A / SP	T	ØB	ØC	E	ØD	Flange Drilling / PCD	Flange Drilling / Hole Ø	Flange Drilling / Nos.	ØG
½"	15	108	108	9.5	15	35.0	45.0	89	60.5	16.0	4	10
¾"	20	117	117	10.9	20	43.0	52.0	100	69.9	16.0	4	10
1"	25	127	127	11.6	25	51.0	65.0	110	79.4	16.0	4	16
1¼"	32	140	140	12.7	32	63.5	70.0	117	88.9	16.0	4	16
1½"	40	165	165	15.0	38	73.0	84.0	125	98.5	16.0	4	16
2"	50	178	178	16.3	51	92.0	90.0	150	120.7	19.0	4	16
2½"	65	190	190	18.0	62	105.0	107.0	180	139.7	19.0	4	18
3"	80	203	203	19.5	76	127.0	120.5	190	152.4	19.0	4	19
4"	100	229	229	24.3	102	157.2	153.0	230	190.5	19.0	8	22
5"	125	267	267	24.3	125	185.7	200.0	255	215.9	22.2	8	30
6"	150	394	267	26.0	150	216.0	215.0	280	241.3	22.2	8	30
8"	200	457	–	30.0	202	270.0	296.5	345	298.5	22.2	8	40
10"	250	533	–	31.0	252	324.0	352.0	405	362.0	25.4	12	42
12"	300	610	–	32.5	305	381.0	465.0	485	431.8	25.4	12	60

Class 150, full port, Series 65 (mm) (columns 2 of 2)

Valve Size / Inch	Valve Size / DN	H	J	Key Size	Top Flange Drilling / ISO 5211 Pattern	Top Flange Drilling / PCD1	Top Flange Drilling / Hole Ø	Top Flange Drilling / Nos.	App. Weight (kg)
½"	15	6	2.50	–	F05	50	7	4	1.4
¾"	20	6	6.00	–	F05	50	7	4	2.0
1"	25	11	6.50	–	F05	50	7	4	2.8
1¼"	32	11	6.15	–	F05	50	7	4	3.1
1½"	40	11	9.00	–	F05	50	7	4	5.2
2"	50	11	7.50	–	F07	70	10	4	8.1
2½"	65	13	18.00	–	F07	70	10	4	12.5
3"	80	13	16.00	–	F10	102	12	4	15.5
4"	100	16	16.00	–	F10	102	12	4	29.5
5"	125	22	25.00	–	F12	125	14	4	56.0
6"	150	22	25.00	–	F12	125	14	4	60.5
8"	200	–	45.00	12 x 8	F16	165	22	4	139.0

Valve Size / Inch	Valve Size / DN	H	J	Key Size	Top Flange Drilling / ISO 5211 Pattern	Top Flange Drilling / PCD1	Top Flange Drilling / Hole Ø	Top Flange Drilling / Nos.	App. Weight (kg)
10"	250	–	on request	12 x 8	F16	165	22	4	212.0
12"	300	–	84.00	18 x 11	F25	254	18	8	360.0

Class 300, full port, Series 66 (mm) (columns 1 of 2)

Valve Size / Inch	Valve Size / DN	A / LP	A / SP	T	ØB	ØC	E	ØD	Flange Drilling / PCD	Flange Drilling / Hole Ø	Flange Drilling / Nos.	ØG
½"	15	140	140	14.7	15	34.9	45.0	95	66.7	16.0	4	10
¾"	20	152	152	16.3	20	43.0	52.0	115	82.6	19.0	4	10
1"	25	165	165	17.9	25	50.8	65.0	125	88.9	19.0	4	16
1¼”	32	178	178	19.0	32	63.5	70.0	133	98.6	19.0	4	16
1½"	40	190	190	21.1	38	73.0	84.0	155	114.3	22.2	4	16
2"	50	216	216	22.7	51	92.0	90.0	165	127.0	19.0	8	16
2½"	65	241	241	25.9	62	105.0	107.0	190	149.2	22.2	8	18
3"	80	282	282	29.0	76	127.0	120.5	210	168.3	22.2	8	19
4"	100	305	305	32.2	102	157.2	153.0	255	200.0	22.2	8	22
5"	125	403	403	35.4	125	185.7	200.0	280	235.0	22.2	8	30
6"	150	403	403	37.0	150	216.0	215.0	320	269.9	22.2	12	30
8"	200	502	419	42.0	202	270.0	296.5	380	330.2	25.4	12	40

Class 300, full port, Series 66 (mm) (columns 2 of 2)

Valve Size / Inch	Valve Size / DN	H	J	Key Size	Top Flange Drilling / ISO 5211 Pattern	Top Flange Drilling / PCD1	Top Flange Drilling / Hole Ø	Top Flange Drilling / Nos.	App. Weight (kg)
½"	15	6	2.50	–	F05	50	7	4	1.6
¾"	20	6	6.00	–	F05	50	7	4	2.2
1"	25	11	6.50	–	F05	50	7	4	4.2
1¼”	32	11	6.15	–	F05	50	7	4	5.5
1½"	40	11	9.00	–	F05	50	7	4	8.0
2"	50	11	7.50	–	F07	70	10	4	11.2
2½"	65	13	18.00	–	F07	70	10	4	19.5
3"	80	13	16.00	–	F10	102	12	4	29.0
4"	100	16	16.00	–	F10	102	12	4	45.5
5"	125	22	25.00	–	F12	125	14	4	68.0
6"	150	22	25.00	–	F12	125	14	4	95.0

Valve Size / Inch	Valve Size / DN	H	J	Key Size	Top Flange Drilling / ISO 5211 Pattern	Top Flange Drilling / PCD1	Top Flange Drilling / Hole Ø	Top Flange Drilling / Nos.	App. Weight (kg)
8"	200	–	45.00	12 x 8	F16	165	22	4	160.0

Class 600, full port, Series 67 (mm) (columns 1 of 2)

Valve Size / Inch	Valve Size / DN	A / LP	A / SP	T	ØB	ØC	E	ØD	Flange Drilling / PCD	Flange Drilling / Hole Ø	Flange Drilling / Nos.	ØG
½"	15	165	165	20.8	15	35.0	65	95	66.7	16.0	4	16
¾"	20	190	190	22.9	20	43.0	65	115	82.6	19.0	4	16
1"	25	216	216	24.0	25	50.0	65	125	88.9	19.0	4	16
1½"	40	241	241	29.3	38	73.0	85	155	114.3	22.2	4	22
2"	50	292	292	31.8	51	92.0	110	165	127.0	19.0	8	22
2½"	65	330	330	35.0	62	105.0	132	190	149.2	22.2	8	30
3"	80	356	356	38.2	76	127.0	150	210	168.3	22.2	8	30
4"	100	432	432	44.5	102	157.2	175	275	215.9	25.4	8	35

Class 600, full port, Series 67 (mm) (columns 2 of 2)

Valve Size / Inch	Valve Size / DN	H	J	Key Size	Top Flange Drilling / ISO 5211 Pattern	Top Flange Drilling / PCD1	Top Flange Drilling / Hole Ø	Top Flange Drilling / Nos.	App. Weight (kg)
½"	15	11	3.0	–	F07	70	10	4	7.5
¾"	20	11	3.0	–	F07	70	10	4	8.5
1"	25	11	3.0	–	F07	70	10	4	9.5
1½"	40	16	12.5	–	F07	70	10	4	11.0
2"	50	16	16.0	–	F10	102	12	4	19.5
2½"	65	22	22.0	–	F10	102	12	4	31.0
3"	80	22	22.0	–	F10	102	12	4	39.0
4"	100	24	35.0	–	F12	125	14	4	65.0

Class 900, full port, Series 68 (mm) (columns 1 of 2)

Valve Size / Inch	Valve Size / DN	A / LP	A / SP	T	ØB	ØC	E	ØD	Flange Drilling / PCD	Flange Drilling / Hole Ø	Flange Drilling / Nos.	ØG
1"	25	254	254	35.0	25	50.8	65	150	101.6	25.4	4	16
1½"	40	305	305	38.2	38	73.0	95	180	123.8	28.5	4	30
2"	50	368	368	44.5	51	92.0	110	215	165.1	25.4	8	30

Class 900, full port, Series 68 (mm) (columns 2 of 2)

Valve Size / Inch	Valve Size / DN	H	J	Key Size	Top Flange Drilling / ISO 5211 Pattern	Top Flange Drilling / PCD1	Top Flange Drilling / Hole Ø	Top Flange Drilling / Nos.	App. Weight (kg)
1"	25	11	3.0	–	F07	70	10	4	18.0
1½"	40	22	15.5	–	F10	102	12	4	28.0
2"	50	22	20.0	–	F12	125	14	4	35.0

Class 150, reduced port, Series 69 (mm) (columns 1 of 2)

Valve Size / Inch	Valve Size / DN	A / LP	A / SP	T	ØB1	ØB	ØC	E	ØD	Flange Drilling / PCD	Flange Drilling / Hole Ø	Flange Drilling / Nos.
¾"	20	117	117	10.9	20	15	43.0	45.0	100	69.9	16.0	4
1"	25	127	127	11.7	25	20	51.0	52.0	108	79.4	16.0	4
1½"	40	165	165	14.7	38	25	73.0	65.0	125	98.5	16.0	4
2"	50	178	178	16.3	51	38	92.0	84.0	150	120.7	19.0	4
2½"	65	190	190	18.0	62	51	105.0	90.0	180	139.7	19.0	4
3"	80	203	203	19.5	76	62	127.0	107.0	190	152.4	19.0	4
4"	100	229	229	24.3	102	76	157.2	120.5	230	190.5	19.0	8
6"	150	–	267	25.9	150	102	216.0	153.0	280	241.3	22.2	8
8"	200	457	–	30.0	202	150	270.0	215.0	345	298.5	22.2	8
10"	250	533	–	31.0	252	202	324.0	296.5	405	362.0	25.4	12
12"	300	610	–	32.5	305	252	381.0	352.0	485	431.8	25.4	12

Class 150, reduced port, Series 69 (mm) (columns 2 of 2)

Valve Size / Inch	Valve Size / DN	ØG	H	J	Key Size	Top Flange Drilling / ISO 5211 Pattern	Top Flange Drilling / PCD1	Top Flange Drilling / Hole Ø	Top Flange Drilling / Nos.	App. Weight (kg)
¾"	20	10	6	2.5	–	F05	50	7	4	1.1
1"	25	10	6	6.0	–	F05	50	7	4	1.8
1½"	40	16	11	6.5	–	F05	50	7	4	4.4
2"	50	16	11	9.0	–	F05	50	7	4	6.5
2½"	65	16	11	7.5	–	F07	70	10	4	on request
3"	80	18	13	18.0	–	F07	70	10	4	14.5
4"	100	19	13	16.0	–	F10	102	12	4	24.5
6"	150	22	16	16.0	–	F10	102	12	4	32.0
8"	200	30	22	25.0	–	F12	125	14	4	95.0
10"	250	40	–	45.0	12 x 8	F16	165	22	4	201.0
12"	300	42	–	on request	12 x 8	F16	165	22	4	310.0

Class 300, reduced port, Series 70 (mm) (columns 1 of 2)

Valve Size / Inch	Valve Size / DN	A / LP	A / SP	T	ØB1	ØB	ØC	E	ØD	Flange Drilling / PCD	Flange Drilling / Hole Ø	Flange Drilling / Nos.
¾"	20	152	152	16.0	20.0	15	43.0	45.0	115.0	82.6	19.0	4
1"	25	165	165	17.9	25.0	20	50.8	52.0	125.0	88.9	19.0	4
1½"	40	190	190	21.1	38.0	25	73.0	65.0	155.0	114.3	22.2	4
2"	50	216	216	22.7	51.0	38	92.0	84.0	165.0	127.0	19.0	8
2½"	65	241	241	25.4	62.0	51	105.0	90.0	190.0	149.2	22.2	8
3"	80	282	282	29.0	76.0	62	127.0	107.0	210.0	168.3	22.2	8
4"	100	305	305	32.2	102.0	76	157.2	120.5	255.0	200.0	22.2	8
6"	150	403	403	37.0	150.0	102	216.0	153.0	320.0	269.9	22.2	12
8"	200	–	419	42.0	202.0	150	270.0	215.0	380.0	330.2	25.4	12
10"	250	568.5	–	48.0	252.0	202	324.0	296.4	444.5	387.4	28.5	16

Class 300, reduced port, Series 70 (mm) (columns 2 of 2)

Valve Size / Inch	Valve Size / DN	ØG	H	J	Key Size	Top Flange Drilling / ISO 5211 Pattern	Top Flange Drilling / PCD1	Top Flange Drilling / Hole Ø	Top Flange Drilling / Nos.	App. Weight (kg)
¾"	20	10	6	2.5	–	F05	50	7	4	2.0
1"	25	10	6	6.0	–	F05	50	7	4	3.0
1½"	40	16	11	6.5	–	F05	50	7	4	5.3
2"	50	16	11	9.0	–	F05	50	7	4	9.0
2½"	65	16	11	7.5	–	F07	70	10	4	16.0
3"	80	18	13	18.0	–	F07	70	10	4	21.5
4"	100	19	13	16.0	–	F10	102	12	4	34.8
6"	150	22	16	16.0	–	F10	102	12	4	79.0
8"	200	30	22	25.0	–	F12	125	14	4	145.0
10"	250	40	–	45.0	12 x 8	F16	165	22	4	269.5

Class 600, reduced port, Series 71 (mm) (columns 1 of 2)

Valve Size / Inch	Valve Size / DN	A / LP	A / SP	T	ØB1	ØB	ØC	E	ØD	Flange Drilling / PCD	Flange Drilling / Hole Ø	Flange Drilling / Nos.
¾"	20	190	190	22.9	20	15	43.0	65	115	82.6	19.0	4
1"	25	216	216	24.5	25	20	50.8	65	125	88.9	19.0	4
1½"	40	241	241	29.3	38	25	73.0	65	155	114.3	22.2	4
2"	50	292	292	31.8	51	38	92.0	85	165	127.0	19.0	8
3"	80	356	356	38.8	76	62	127.0	132	210	168.3	22.2	8
4"	100	432	432	44.9	102	76	157.2	150	275	215.9	25.4	8
6"	150	559	559	54.7	150	102	216.0	175	355	292.0	28.5	12

Class 600, reduced port, Series 71 (mm) (columns 2 of 2)

Valve Size / Inch	Valve Size / DN	ØG	H	J	Key Size	Top Flange Drilling / ISO 5211 Pattern	Top Flange Drilling / PCD1	Top Flange Drilling / Hole Ø	Top Flange Drilling / Nos.	App. Weight (kg)
¾"	20	16	11	3.0	–	F07	70	10	4	8
1"	25	16	11	3.0	–	F07	70	10	4	9
1½"	40	16	11	3.0	–	F07	70	10	4	12
2"	50	22	16	12.5	–	F07	70	10	4	15
3"	80	30	22	22.0	–	F10	102	12	4	40
4"	100	30	22	22.0	–	F10	102	12	4	66
6"	150	35	24	35.0	–	F12	125	14	4	108

Class 900, reduced port, Series 72 (mm) (columns 1 of 2)

Valve Size / Inch	Valve Size / DN	A / LP	A / SP	T	ØB1	ØB	ØC	E	ØD	Flange Drilling / PCD	Flange Drilling / Hole Ø	Flange Drilling / Nos.
1½"	40	305	305	on request	38	25	73	65.0	180	123.8	28.5	4
2"	50	368	368	on request	51	38	92	95.0	215	165.1	25.4	8
3"	80	381	381	44.5	76	51	127	110.0	240	190.5	25.4	8

Class 900, reduced port, Series 72 (mm) (columns 2 of 2)

Valve Size / Inch	Valve Size / DN	ØG	H	J	Key Size	Top Flange Drilling / ISO 5211 Pattern	Top Flange Drilling / PCD1	Top Flange Drilling / Hole Ø	Top Flange Drilling / Nos.	App. Weight (kg)
1½"	40	16	11	3.0	–	F07	70	10	4	29.0
2"	50	30	22	15.5	–	F10	102	12	4	34.5
3"	80	30	22	20.0	–	F12	125	14	4	43.0

Operating torque

Full port, Class 150 to 900 (Nm and lbf-in)

Size (FB) / Inch	Size (FB) / DN	Torque type	ASME pressure class / 150 / Nm	ASME pressure class / 150 / Lbf-Inch	ASME pressure class / 300 / Nm	ASME pressure class / 300 / Lbf-Inch	ASME pressure class / 600 / Nm	ASME pressure class / 600 / Lbf-Inch	ASME pressure class / 900 / Nm	ASME pressure class / 900 / Lbf-Inch
½"	15	BTO	4	35	6	53	24	212	42	372
½"	15	ETC	3	27	5	44	19	170	34	301
¾"	20	BTO	6	53	8	71	28	248	–	–
¾"	20	ETC	5	44	6	53	22	195	–	–
1"	25	BTO	10	89	15	133	65	575	85	752
1"	25	ETC	8	71	12	106	52	460	68	602
1¼"	32	BTO	15	133	21	186	–	–	–	–
1¼"	32	ETC	12	106	17	150	–	–	–	–
1½"	40	BTO	20	177	32	283	100	885	130	1151
1½"	40	ETC	16	142	26	230	80	708	104	920
2"	50	BTO	25	221	40	354	135	1195	185	1637
2"	50	ETC	20	177	32	283	108	956	148	1310
2½"	65	BTO	40	354	60	531	220	1947	–	–
2½"	65	ETC	32	283	48	425	176	1558	–	–
3"	80	BTO	65	575	100	885	305	2699	–	–
3"	80	ETC	52	460	80	708	244	2159	–	–
4"	100	BTO	110	974	170	1505	500	4425	–	–
4"	100	ETC	88	779	136	1204	400	3540	–	–
5"	125	BTO	220	1947	330	2921	–	–	–	–
5"	125	ETC	176	1558	264	2336	–	–	–	–
6"	150	BTO	330	2921	460	4071	1050	9293	–	–
6"	150	ETC	264	2336	368	3257	840	7434	–	–
8"	200	BTO	750	6638	900	7965	–	–	–	–
8"	200	ETC	600	5310	720	6372	–	–	–	–
10"	250	BTO	1175	10399	–	–	–	–	–	–
10"	250	ETC	940	8319	–	–	–	–	–	–
12"	300	BTO	1900	16815	–	–	–	–	–	–
12"	300	ETC	1520	13452	–	–	–	–	–	–

BTO: Break To Open Torque ETC: End To Close Torque
Notes:
1)Torque values are at ambient temperature, media being clear water without any factor of safety.
2)For PEEK seated valve torque multiply above valves by 2.
3)Above torque values are indicative and for reference only. Actuator sizing torque will depend on service media.
4)For reduced port valves, consider torque values corresponding to the lower size e.g., for 12"x10" reduced port value consider torque value corresponding to 10".

For a quotation, send the size, pressure rating, materials, operator and quantity to UEC by phone, WhatsApp or email. Inch and pound tables are on the product page at www.unitedengg.co.in/valves/delval/series-65-72-floating-ball-valve. Data as published by DelVal Flow Controls; DelVal and DelTorq are trademarks of DelVal Flow Controls.