DelVal Series T Two-Piece Seal Welded Ball Valve

The DelVal Series T is a two-piece threaded ball valve whose body joint is seal welded, made in 1/4" to 2" with pressure ratings of 2000 psi, 3000 psi and 6000 psi.



Key data	
Size range	1/4" to 2"
Pressure rating	2000 psi, 3000 psi, 6000 psi
Body type	Threaded
Design standard	API 608, ASME B16.34

Dimensions and weights

Dimensions by pressure rating (inch)

Size	2000 psi / L	2000 psi / H	2000 psi / W	3000 psi / L	3000 psi / H	3000 psi / W	6000 psi / L	6000 psi / H	6000 psi / W
¼	2.36	2.17	3.94	3.86	2.36	5.79	4.37	2.72	5.91
½	2.95	2.36	4.72	3.86	2.36	5.79	4.37	2.72	5.91
¾	3.19	2.36	6.10	4.25	2.80	7.28	4.37	3.39	7.48
1	3.58	2.95	6.10	5.39	3.46	7.48	5.39	3.74	9.84
1¼	4.33	3.15	6.10	5.39	3.70	8.98	–	–	–
1½	4.72	3.74	7.28	6.30	4.53	10.55	6.30	5.12	14.57
2	5.51	4.33	7.28	6.30	5.43	14.57	6.30	5.12	14.57

Key to dimension letters

Item	Detail
L	End-to-end length (±0.08)
H	Pipe centreline to top of handle (±0.24)
W	Handle length from stem centreline (±0.24)

Operating torque

Operating torque by pressure rating (lbf-in)

Size (inch)	Operating torque in lbf-inch / 2000 psi	Operating torque in lbf-inch / 3000 psi	Operating torque in lbf-inch / 6000 psi
¼	35	133	159
½	62	159	177
¾	97	239	283
1	133	310	354
1¼	150	442	–
1½	168	442	752
2	221	796	796

Note: Breakaway torque is 2-3 times than operating torque

Materials of construction

Parts and materials

Item	Description	Standard Material*
1	Cap	ASTM A351 CF8M/A216 WCB
2	Body	ASTM A351 CF8M/A216 WCB
3	Seat	RPTFE/PEEK**
4	Ball	ASTM A182 F316
5	Stem	ASTM A276 SS316
6##	O-Ring	Viton®
7	Stem Seal	RPTFE
8	Packing#	Graphite/RPTFE
9	Gland	ASTM A276 SS304
10	Handle	2000 PSI WOG - SS201 + PVC (¼" to 2") 3000/6000 Psi WOG-SS201 + PVC (¼" to 1-¼") - CS+PVC (1-½" to 2")
11	Washer	SS301
12	Nut	ISO 3506 A2-70
13##	Washer	SS304
14##	Nut	ASTM A194 B8

*Other material maybe available on request.
**PEEK available in 3000 psi & 6000 psi valves only.
#Default stock version is with Graphite packing.
##Available in 3000 psi & 6000 psi valves only.

Ordering code

How to order

Series	Size	Material of Construction / Body	Material of Construction / Ball	Material of Construction / Stem	Material of Construction / Seat	Rating	Actuation	Options
T2=2000 psi	025=¼"	3=A216 WCB	4=316 SS	4=316 SS	R=RPTFE	9=2000 psi/Class 900	L=Handle	O=None
T3=3000 psi	050=½"	4=A351 CF8M			P=PEEK	T=3000 psi/Class 1500	B=Bare Stem	
T6=6000 psi	075=¾"					S=6000 psi/Class 2500		
	100=1"							
	125=1¼"							
	150=1½"							
	200 = 2"							

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.