



Series S3-SS & CS

Seal Welded High Pressure Ball Valves

ASME B16.34 &
API 608 Compliant!

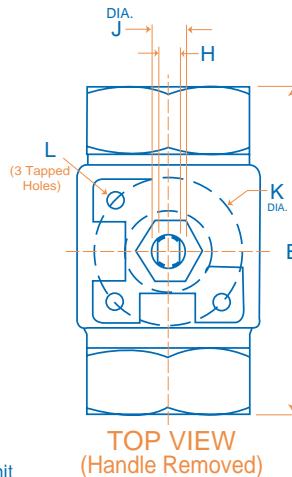
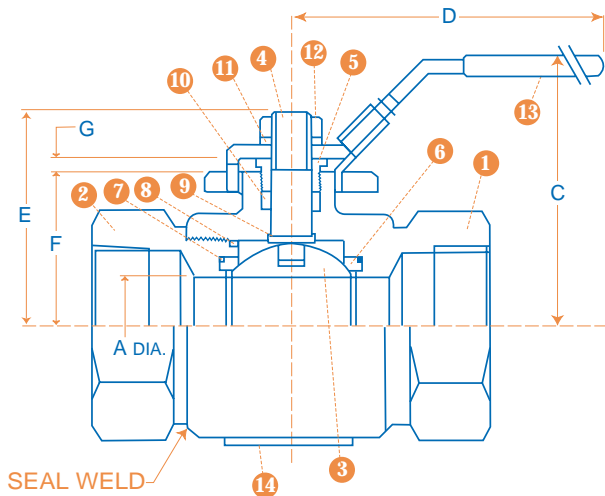


FEATURES

- Seal Welded Construction
- Full Port and Reduced Port Versions Available
- Available in WCB Carbon Steel with 316SS Trim, or CF8M/316 Stainless
- 3600WOG Rating on CF8M, 3705WOG on WCB
- Fully Compliant with ASME B16.34 Class 1500
- Delrin Seats and Viton Seals are Standard
- All Models are NACE MR-01-75 Compliant
- All Models are API 607 Fourth Edition Fire Safe
- Fully Compliant with API 608
- Standard ISO Actuator Mounting Pads on all Sizes
- Standard Locking Stainless Steel Handles
- The Ultimate Valve for Safe High Pressure Service!

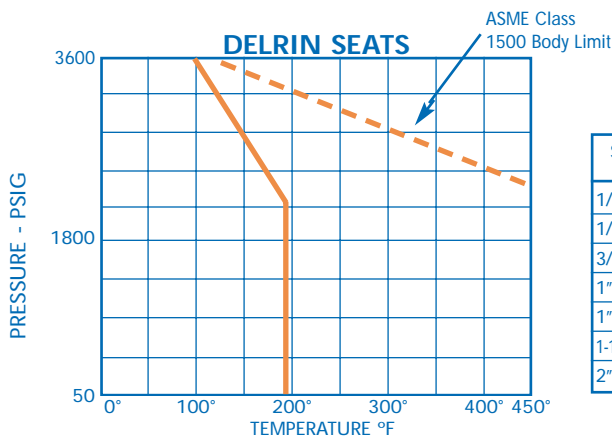
RATINGS

3600 PSIG @ 100F WATER, OIL, GAS (CF8M)
3705PSIG @ 100F WATER, OIL, GAS (WCB)
NO STEAM SERVICE RATING (DELTRIN SEATS)



MATERIALS OF CONSTRUCTION

PART	DESCRIPTION	STANDARD MATERIAL
1	BODY	CF8M OR WCB
2	TAILPIECE	CF8M OR WCB
3	BALL	ASTM A276 GR. 316 SS
4	STEM	316SS OR 17-4PH (1-1/2-2")
5	PACKING NUT	ASTM A276 GR. 316 SS
6	SEATS (2)	DELTRIN 100AF
7	SEAT SEAL (2)	VITON
8	TAILPIECE SEAL	GRAPHITE
9	THRUST WASHER	PTFE
10	STEM PACKING	GRAPHITE
11	LOCK WASHER	304 SS
12	HANDLE NUT	304 SS
13	HANDLE ASSY.	304 SS
14	NAME PLATE	300 SS



DIMENSIONS, WEIGHTS, CV FACTORS & MAXIMUM OPERATING TORQUE

SIZE	A	B	C	D	E	F	G	H	J	K DIA.	L (3 TAPPED HOLES)	ISO PATTERN	WEIGHT LBS.	Cv	MAX. TORQUE
1/4" FP	.25	3.0	2.3	5.0	1.62	.89	.33	.20	.31	1.42	1/4"-20 UNC	F03	1.6	10	75 in-lb
1/2" FP	.50	4.0	2.3	5.0	1.62	.89	.33	.20	.31	1.42	1/4"-20 UNC	F03	1.6	16	75 in-lb
3/4" FP	.75	4.3	2.9	5.8	2.21	1.29	.41	.28	.43	1.65	1/4"-20 UNC	F04	2.7	32	120 in-lb
1" RP	.75	4.3	2.9	5.8	2.21	1.29	.41	.28	.43	1.65	1/4"-20 UNC	F04	3.0	44	200 in-lb
1" FP	1.0	4.8	3.5	7.4	2.79	1.65	.43	.35	.56	1.97	1/4"-20 UNC	F05	6.2	62	400 in-lb
1-1/2" FP	1.5	5.3	4.5	9.9	3.87	2.51	.49	.39	.62	2.76	5/16"-18UNC	F07	11.3	140	750 in-lb
2" RP	1.5	6.3	4.5	9.9	3.87	2.51	.49	.39	.62	2.76	5/16"-18UNC	F07	11.7	120	750 in-lb



SERIES S3-SS & CS

NUMBERING SYSTEM ... HOW TO ORDER:

S3 F S S A F SL TT 050

SERIES	PORT SIZE	BODY MATERIAL	BALL/STEM MAT'L	SEAT MAT'L	SEAL MAT'L	HANDLE TYPE	ENDS	SIZE
S3 = SEAL WELDED 3600WOG	R=REDUCED F= FULL	S = STAINLESS (CF8M) C = CARBON (WCB)	S = 316 STAINLESS A = ALLOY 20 H = HASTELLOY	A = ACETAL (Delrin) P = PEEK	F = VITON	SL = STAINLESS LATCH LOCK PA = DOUBLE ACTING PNEUMATIC SA = SPRING RETURN PNEUMATIC SR = DEADMAN HANDLE EA = 115VAC ELECTRIC ACTUATED	TT = FNPT WW = SOCKET WELD	025 = 1/4" 038 = 3/8" 050 = 1/2" 075 = 3/4" 100 = 1" 125 = 1-1/4" 150 = 1-1/2" 200 = 2"

OTHER QUADRANT PRODUCTS ... to solve your Fluid Control Problems:

- SERIES 20-NP** Forged Brass 400WOG Reduced Port Ball Valves
- SERIES 20-BP & BS** Cast Bronze 600WOG Full & Reduced Port Ball Valves with Brass or 316SS Trim
- SERIES 20-CC & CS** Carbon Steel Bar Stock 2000WOG Reduced Port Ball Valves with Carbon or 316SS Trim
- SERIES 21** Stainless Steel 2-Piece 1000WOG Full Port Ball Valves
- SERIES S1** Seal Welded Stainless Steel 1000WOG Full Port Ball Valves
- SERIES S2** Seal Welded Stainless Steel 2000WOG Reduced Port Ball Valves
- SERIES SB** Seal Welded Stainless Steel 2160WOG Reduced Port Ball Valves
- SERIES S3** Seal Welded Stainless Steel 3600WOG Reduced Port and Full Port Ball Valves
- SERIES S5** Seal Welded Stainless Steel 5000WOG Reduced and Full Port Ball Valves
- SERIES S6** Seal Welded Stainless Steel 6000WOG Reduced Port and Full Port Ball Valves with FNPT, MxF NPT & Socket Weld Ends
- SERIES M1** 3-Piece 4-Bolt Maintenance Design Brass 600WOG Full Port Ball Valves with Plated Brass or 316SS Trim
- SERIES UU** 3-Piece Double Union High Pressure Full Port Ball Valves in Carbon and Stainless Steel Construction with FNPT or Socket Weld Ends
- SERIES BFV-D** 2"- 48" Ductile Iron Butterfly Valves with Ductile, Aluminum Bronze, or CF8M Discs and Buna-N, EPDM or Viton Seats- Lever, Gear Operators or Pneumatic/Electric Actuators
- SERIES BFV-A** 2"- 12" A-395 Ductile Iron Butterfly, Split Shaft, all Disc Materials and Buna-N or Viton Seats, NACE Compliant, Lever, Gear Operators or Electric/Pneumatic Actuators