



## Series S3-CS & SS

Seal Welded High Pressure Ball Valves

**ASME B16.34, API 641 & API 608 Compliant**

### FEATURES

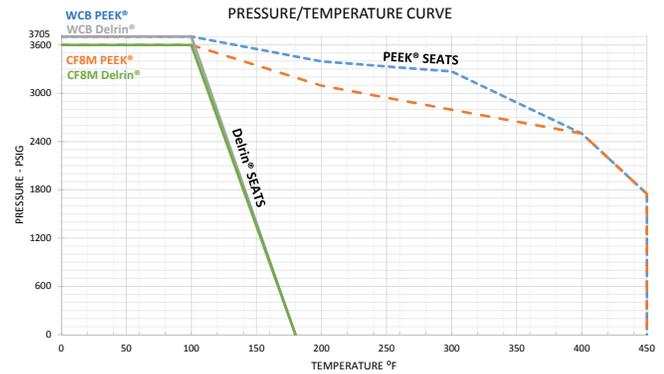
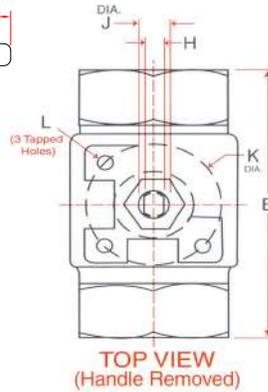
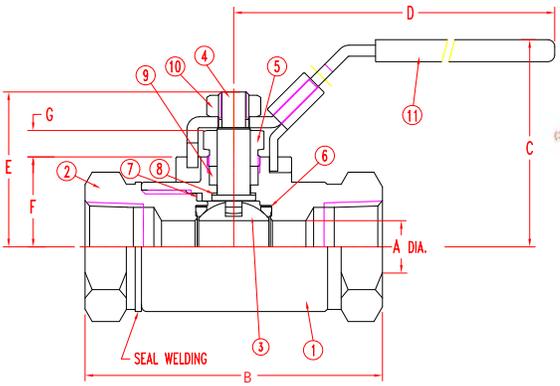
- Seal Welded Construction
- Full Port and Reduced Port Versions Available
- 3600WOG Rating on CF8M Construction
- 3705WOG Rating on WCB Construction
- Fully Compliant with ASME B16.34 Class 1500
- Delrin or PEEK Seats
- All Models are NACE MR-01-75 Compliant
- All Models are API 607 Fifth Edition Fire Safe
- Fully Compliant with API 608
- Standard ISO Actuator Mounting Pads on all sizes
- Standard Locking Stainless Steel Handles
- API 641 Certified
- The Ultimate Valve for Safe High Pressure Service!

### RATINGS

3600 PSIG @ 100F Water, Oil, Gas (CF8M)  
 3705 PSIG @ 100F Water, Oil, Gas (WCB)  
 No Steam Service Rating (DELTRIN Seats)  
 250 PSIG Saturated Steam (PEEK Seats)

### MATERIALS OF CONSTRUCTION

PART	DESCRIPTION	STANDARD MATERIAL
1	Body	ASTM A351 GR. CF8M or A216 GR WCB
2	Tailpiece	ASTM A351 GR. CF8M or A216 GR 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)	Delrin 100AF or PEEK
7	Tailpiece Seal	Graphite
8	Thrust Washer	PTFE
9	Stem Packing	Graphite
10	Handle Nut	304 SS
11	Handle Assy.	304 SS
12	Name Plate	304 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	WT. LBS.	CV	MAX. TORQUE DELRIN
1/4" FP	0.25	3.00	2.39	4.96	1.63	0.89	0.34	0.20	0.31	1.42	1/4"-20UNC	F03	1.6	10	75 IN-LB
3/8" RP	0.25	3.00	2.39	4.96	1.63	0.89	0.34	0.20	0.31	1.42	1/4"-20UNC	F03	1.6	10	75 IN-LB
1/2" FP	0.50	4.00	2.39	4.96	1.63	0.89	0.34	0.20	0.31	1.42	1/4"-20UNC	F03	1.6	16	75 IN-LB
3/4" FP	0.75	4.25	2.96	5.59	2.22	1.29	0.42	0.28	0.44	1.65	1/4"-20UNC	F04	3.0	32	120 IN-LB
1" RP	0.75	4.25	2.96	5.59	2.22	1.29	0.42	0.28	0.44	1.65	1/4"-20UNC	F04	3.0	44	200 IN-LB
1" FP	1.00	4.49	3.70	7.24	2.80	1.65	0.43	0.35	0.57	1.97	1/4"-20UNC	F05	4.5	62	400 IN-LB
1-1/2" FP	1.50	5.29	4.78	13.90	3.87	2.49	0.52	0.39	0.64	2.76	5/16"-18UNC	F07	12.0	140	750 IN-LB
2" RP	1.50	6.25	4.78	13.90	3.87	2.49	0.52	0.39	0.64	2.76	5/16"-18UNC	F07	13.0	120	750 IN-LB

**Numbering System ... How to Order**

<b>S3</b>	<b>F</b>	<b>S</b>	<b>S</b>	<b>A</b>	<b>F</b>	<b>SL</b>	<b>TT</b>	<b>050</b>
<b>SERIES</b>	<b>PORT SIZE</b>	<b>BODY MATERIAL</b>	<b>BALL/STEM MATERIAL</b>	<b>SEAT MATERIAL</b>	<b>SEAL MATERIAL</b>	<b>HANDLE TYPE</b>	<b>ENDS</b>	<b>SIZE</b>
S3 = Seal Welded 3600WOG	R = Reduced F = Full	S = Stainless C = Carbon	S = 316 Stainless	A = ACETAL (Delrin) P = Peek	G = Graphite & F = Graphite (older part numbers)	SL = Stainless Latch Lock PA = Double Acting Pneumatic SA = Spring Return Pneumatic EA = 115VAC Electric Actuated	TT = FNPT WW = Socket Weld WT = Socket Weld x FNPT MT = MNPT x FNPT	025 = 1/4" 038 = 3/8" 050 = 1/2" 075 = 3/4" 100 = 1" 150 = 1-1/2" 200 = 2"