



High Pressure - Seal Welded Ball Valve - 1 PC Body

FloTron-II Series

Models:

- S6000 - SS
- S6000 - CS
- T6000 - 2PC Body Design Optional

Threaded End Connections

- 6000 PSI WOG
- Size: 1/4" - 2"
- Full Bore 1/4" - 1 1/2"
- 2" Standard Bore



size 2"

size 3/4"

Design Features:

- Seal Welded Body
- Blow-out Proof Stem Design
- NACE MR0175
- Heavy Duty, Rugged Construction
- Live Loaded Stem Packing
- Lockable Handles
- API 607-5 Fire Safe
- API 608 Compliance
- Anti-Static Ground Device
- Casting Traceability
- Actuator Mounting Pad

Seal Welded Design

Eliminates the possibility of body tail piece unthreading. Eliminates any possible leakage at body joints - safe, sure pressure containment.

Automatic Welding equipment is used for welding body joints. The welding width is always uniform and the weld penetration is consistent. During seal welding process, our equipment maintains a consistent water flow inside the valve, this assures a safe temperature which prevents damage to all valve seats and seals.

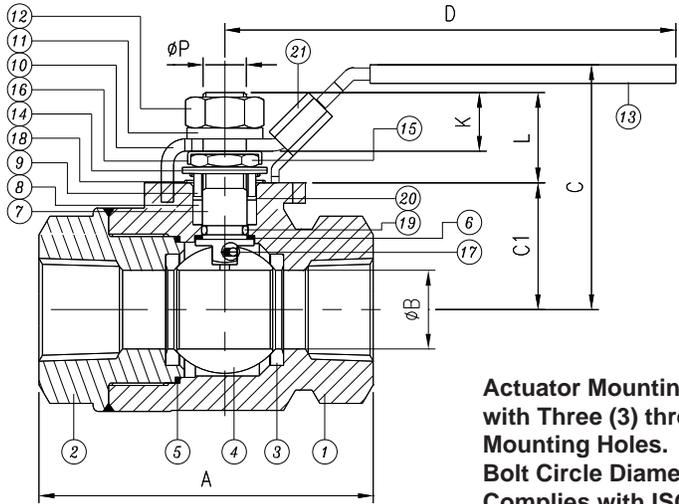
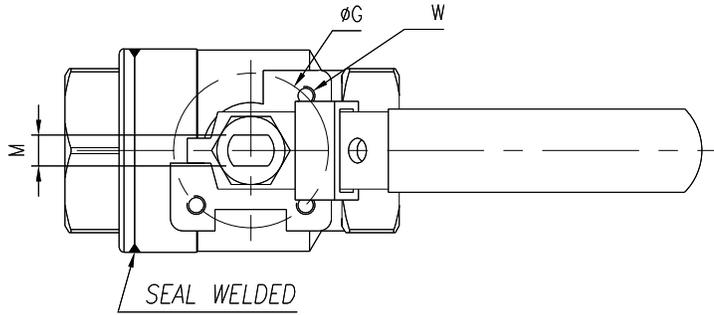
Standard valve seating is Delrin. All other special seating material, please consult factory

Ideal for Hydraulic, Petrochemical and many other industries that required tight pressure valves

DESIGN AND TECHNICAL DATA

Model:

Carbon Steel: S6000-CS
Stainless Steel: S6000-SS



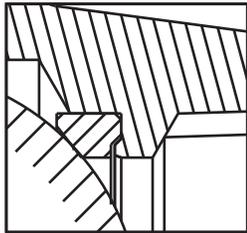
Actuator Mounting Pad with Three (3) threaded Mounting Holes. The Bolt Circle Diameter Complies with ISO 5211

BILL OF MATERIALS:

Item	Part Name	S6000-SS	S6000-CS
1	Body	A351 CF8M	A216 WCB
2	End Cap	A351 CF8M	A216 WCB
3	Seat	# Delrin	Delrin
4	Ball	SS316	SS304
5	Gasket	# Graphite	Graphite
6	Thrust Washer	# PTFE	PTFE
7	Stem	17-4PH / SS316	17-4PH / SS304
8	Stem Packing	# Graphite	Graphite
9	Gland	SS304	SS304
10	Handle	SS304	Zinc Plated CS
11	Handle Washer	SS304	SS304
12	Handle Nut	SS304	SS304
13	Handle Cover	PVC	PVC
14	Belleisle Washer	SS301	SS301
15	Packing Nut	SS304	SS304
16	Nut Lock	SS304	SS304
17	Anti-Static Device	SS316	SS304
18	Anti-Static Spring	SS301	SS301
19	O-Ring	# Viton	Viton
20	Packing Protector	# Carbon filled PTFE	Carbon filled PTFE
21	Locking Device	SS304	Zinc Plated CS

Parts included in the repair kits

FIRE-SAFE DESIGN FEATURE:



FIRE SAFE Flo-Tite's Model S6000 valves are supplied as standard with graphite stem packing and body seal. Valves are certified fire safe. In the event of a fire, after heat destroys the primary resilient seat, the ball makes contact with the secondary metal seat, forming a secure seal. The graphite body seal prevents external leakage. The graphite live-loaded stem packing prevents stem leakage. All valves have anti-static devices as standard, grounding ball and stem to body.

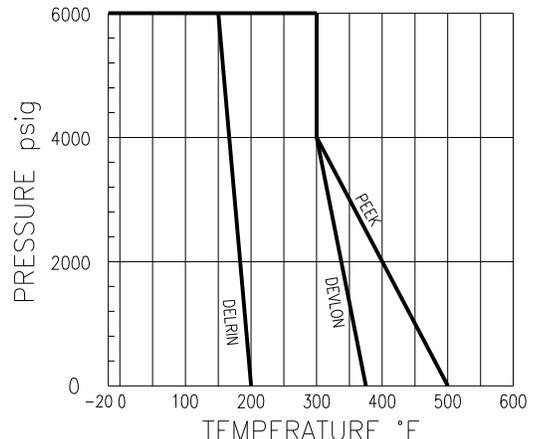
Conform to:

- ANSI B1.20.1 Threaded End NPT
- ANSI Class 2500 (6000 WOG)
- Fire Safe Testing API 607
- API 608 Compliance
- All Valves Are Marked with CE

PROOF TESTING:

Test Pressure: Shell 9,000 Psi
Seat 6,600 Psi

Pressure Temperature Rating



DIMENSIONS AND WEIGHTS:

SIZE	A	B	C	C1	D	G	K	L	M	P	W	Cv	Torque In-Lb	Weight Lbs
1/4"	2.80	0.37	2.42	0.96	4.17	1.42	0.27	0.54	0.20	0.31	M5	7	195	1.19
3/8"	2.80	0.37	2.42	0.96	4.17	1.42	0.27	0.54	0.20	0.31	M5	8	195	1.15
1/2"	3.19	0.49	2.42	0.96	4.17	1.42	0.27	0.54	0.20	0.31	M5	10	233	1.50
3/4"	3.78	0.79	2.60	1.24	5.06	1.65	0.45	0.83	0.28	0.39	M5	35	404	2.76
1"	4.25	0.98	3.15	1.61	6.44	1.97	0.67	1.14	0.39	0.55	M6	68	825	4.87
1-1/4"	4.72	1.26	3.35	1.80	6.44	1.97	0.71	1.20	0.39	0.55	M6	110	860	7.41
1-1/2"	5.12	1.50	4.38	2.39	8.58	2.76	1.06	1.56	0.47	0.75	M8	155	997	12.1
*2"	5.91	1.50	4.38	2.39	8.58	2.76	1.06	1.56	0.47	0.75	M8	155	1490	14.7

* 2" Standard Bore



Flo-Tite, Inc.
 4815 West 5th St.
 Lumberton, NC 28358

P. O. Box 1293
 Lumberton, NC 28359
 Website: www.flotite.com

Tel: (910) 738-8904
 Fax: (910) 738-9112
 E-mail: flotite@flotite.com