



Series G3-SS & CS

Seal Welded High Pressure Ball-Type Gauge Valves

FEATURES

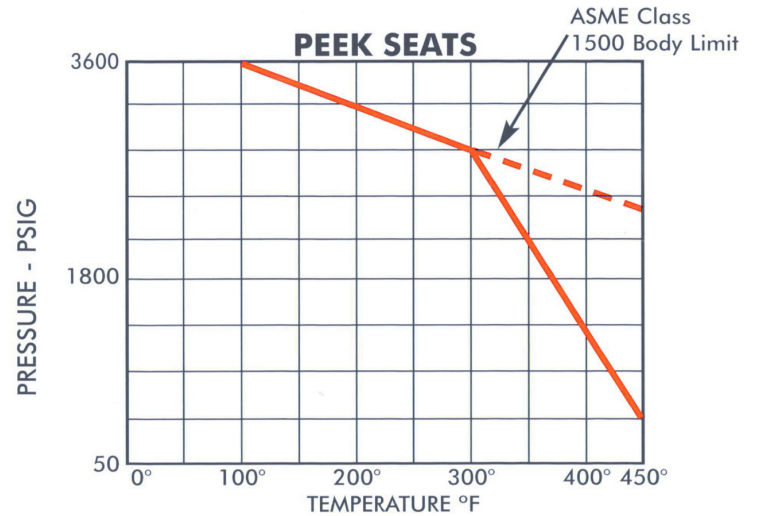
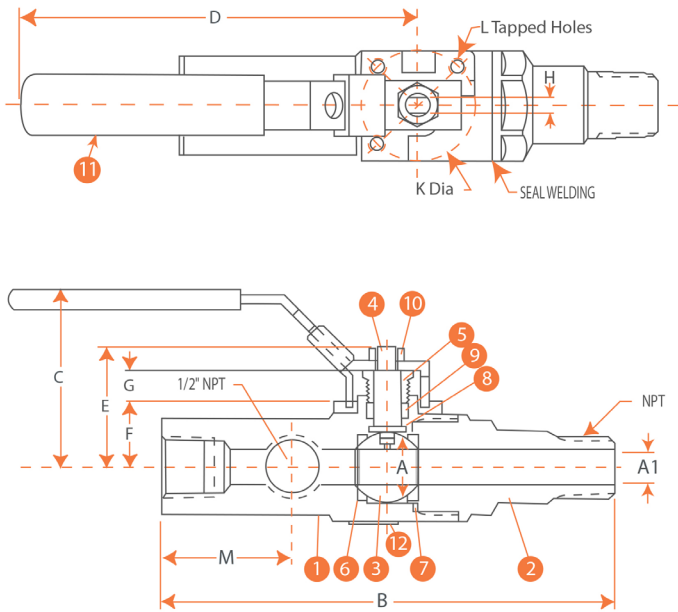
- Seal Welded Construction
- Full Port Design (Reduced Port on 2")
- Male Inlet has Schedule 80 Pipe I.D. on 1/2" to 1" sizes; Schedule 160 Pipe I.D. on 1-1/2" & 2" sizes
- 316 Ball & Stem Standard
- Fully Compliant to ASME B16.34, Class 1500
- Fully Compliant to API 608, Class 1500
- NACE MR01-75 Compliant
- Standard ISO 5211 Mounting Pads
- Standard 304SS Latch-Lock Handles
- (2) 1/2" NPT Gauge Ports on Outlet Side
- Standard PEEK Seats
- API 607 4th Edition Fire Safe
- 3600 PSIG Rating (CF8M); 3705 PSIG Rating (WCB)

RATINGS

3600 PSIG @ 100F Water, Oil, Gas (CF8M)
 3705 PSIG @ 100F Water, Oil, Gas (WCB)
 250 PSIG Saturated Steam

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)	PEEK
7	Tailpiece Seal	Graphite
8	Thrust Washer	PEEK
9	Stem Packing	Graphite
10	Handle Nut	304 SS
11	Handle Assy.	304 SS
12	Name Plate	300 SS



DIMENSIONS, WEIGHTS, CV FACTORS & MAXIMUM OPERATING TORQUE

SIZE	A	A1	B	C	D	E	F	G	H	J STEM DIA	K	L (3 TAPPED HOLES)	M	ISO PATTERN	WT. LBS.	CV	MAX TORQUE (IN-LB)
1/2"	.50	.50	6.0	2.3	5.0	1.62	.89	.33	.20	.31	1.42	1/4"-20 UNC	1.75	F03	1.8	16	140
3/4"	.75	.74	7.2	2.9	5.8	2.21	1.29	.41	.28	.43	1.65	1/4"-20 UNC	1.75	F04	3.7	32	270
1"	1.00	.96	8.5	3.5	7.4	2.80	1.65	.43	.35	.56	1.97	1/4"-20 UNC	2.00	F05	6.6	62	700
1-1/2"	1.50	1.34	9.5	4.5	13.9	3.87	2.51	.49	.39	.62	2.76	5/16"-18 UNC	2.00	F07	14.5	140	1200
2"	1.50	1.69	9.9	4.5	13.9	3.87	2.51	.49	.39	.62	2.76	5/16"-18 UNC	2.36	F07	15.5	120	1200

Numbering System ... How to Order

<u>G3</u>	<u>F</u>	<u>S</u>	<u>S</u>	<u>P</u>	<u>G</u>	<u>SL</u>	<u>MT</u>	<u>100</u>
SERIES	PORT SIZE	BODY MATERIAL	BALL/STEM MATERIAL	SEAT MATERIAL	SEAL MATERIAL	HANDLE TYPE	ENDS	SIZE
G3 = Seal Welded 3600 WOG	R = Reduced F = Full (2" Size)	S = Stainless (CF8M) C = Carbon (WCB)	S = 316 Stainless	P = Peek	G = Graphite	SL = Stainless Latch Lock PA = Double Acting Pneumatic SA = Spring Return Pneumatic SR = Deadman Handle EA = 115VAC Electric Actuated	MT = Male NPT X Female NPT	050 = 1/2" 075 = 3/4" 100 = 1" 125 = 1-1/4" 150 = 1-1/2" 200 = 2"