

GREAT SEQUOIA CORP.

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CSS-F-2

TYPE 3000 ,1/4"-1"

TYPE 2500 ,1-1/4"-2"

TYPE 2000 ,2-1/2" & 3"

TWO PIECE BODY

FULL PORT

NPT THREADS TO ANSI B1.20.1

BLOWOUT-PROOF STEM

ACTUATOR MOUNTING PAD

FLOATING BALL DESIGN

ANTI-STATIC DEVICE

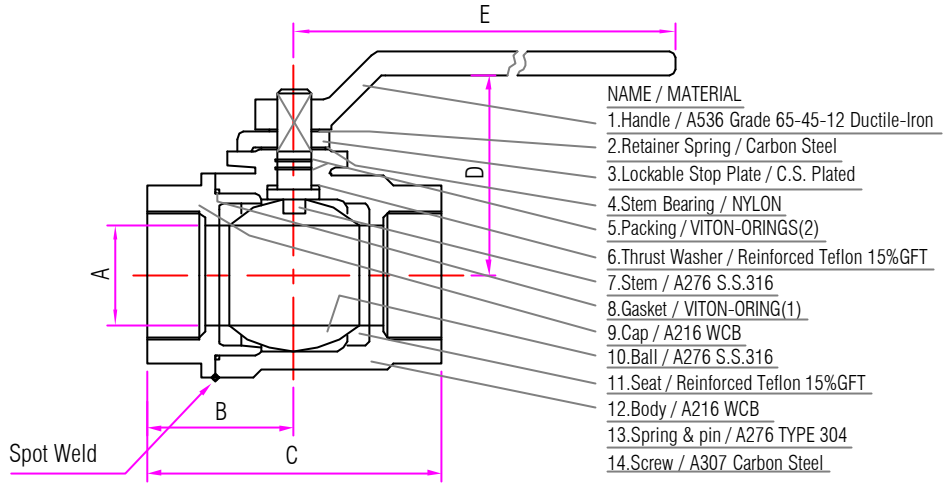
LOCKING DEVICE

NACE MR-0175

3000 P.S.I. W.O.G. 1/4"-1" @ 100 ° F

2500 P.S.I. W.O.G. 1-1/4"-2" @ 100 ° F

2000 P.S.I. W.O.G. 2-1/2" & 3" @ 100 ° F

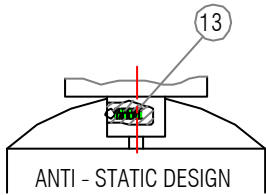


NAME / MATERIAL

- 1.Handle / A536 Grade 65-45-12 Ductile-Iron
- 2.Retainer Spring / Carbon Steel
- 3.Lockable Stop Plate / C.S. Plated
- 4.Stem Bearing / NYLON
- 5.Packing / VITON-ORINGS(2)
- 6.Thrust Washer / Reinforced Teflon 15%GFT
- 7.Stem / A276 S.S.316
- 8.Gasket / VITON-ORING(1)
- 9.Cap / A216 WCB
- 10.Ball / A276 S.S.316
- 11.Seat / Reinforced Teflon 15%GFT
- 12.Body / A216 WCB
- 13.Spring & pin / A276 TYPE 304
- 14.Screw / A307 Carbon Steel

DIMENSIONS

SIZE	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	H NOTE (1)	CV FACTOR	WEIGHTS KGS/LBS
	A	B	C	D	E	F	G			
8 1/4"	9.50	30.30	62.00	43.10	127.0				11	0.354
	0.374	1.193	2.441	1.697	5.000					0.779
10 3/8"	9.50	30.30	62.00	43.10	127.0				11	0.346
	0.374	1.193	2.441	1.697	5.000					0.761
15 1/2"	12.70	35.00	69.00	45.90	127.0	25.40	35.00	M6	15	0.530
	0.500	1.378	2.717	1.807	5.000	1.000	1.378			1.166
20 3/4"	20.00	45.00	85.00	62.25	158.8	44.20	41.00	M6	45	0.940
	0.787	1.772	3.346	2.451	6.250	1.740	1.614			2.068
25 1"	24.00	48.00	93.00	65.35	158.8	44.20	44.00	M6	65	1.350
	0.945	1.890	3.661	2.573	6.250	1.740	1.732			2.970
32 1-1/4"	31.80	54.10	105.0	86.10	215.9	47.20	54.00	M8	125	2.390
	1.252	2.130	4.134	3.390	8.500	1.858	2.126			5.258
40 1-1/2"	38.10	58.00	116.0	92.00	215.9	47.20	60.00	M8	175	2.980
	1.500	2.283	4.567	3.622	8.500	1.858	2.362			6.556
50 2"	50.80	67.45	134.0	102.80	215.9	47.20	74.00	M8	380	4.520
	2.000	2.655	5.276	4.047	8.500	1.858	2.913			9.944
65 2-1/2"	65.00	81.90	164.0	125.75	381.0	70.00	81.00	M8	500	8.960
	2.559	3.224	6.457	4.951	15.00	2.750	3.189			19.712
80 3"	78.00	89.95	180.0	135.75	381.0	70.00	92.00	M8	900	12.650
	3.071	3.541	7.086	5.344	15.00	2.750	3.622			27.830

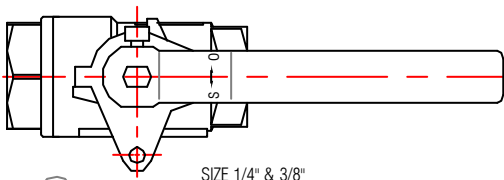


BALL SEAT	MAX.TEMP	SEATS RATING(1)
R-PTFE	214 °C	20682 KPA
	400 °F	3000PSIG(2)

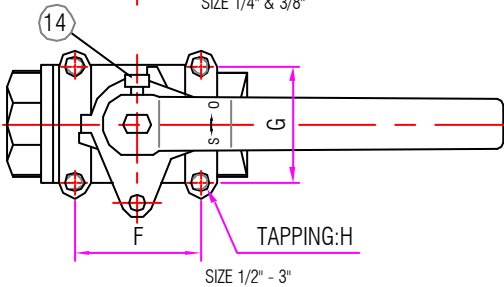
- (1) AT -29 °C (-20 °F) TO 38 °C (100 °F)
 (2) 3000 PSIG FOR 1/4"-1"
 2500 PSIG FOR 1-1/4"-2"
 2000 PSIG FOR 2-1/2" & 3"

FIG CSS-F-2				FIG CSS-F-2				FIG CSS-F-2			
WOG	3000	STEM	316	WOG	2500	STEM	316	WOG	2000	STEM	316
SIZE	1	BALL	316	SIZE	2	BALL	316	SIZE	3	BALL	316
BODY	WCB	SEAT	RPTFE	BODY	WCB	SEAT	RPTFE	BODY	WCB	SEAT	RPTFE
NACE	TAIWAN			NACE	TAIWAN			NACE	TAIWAN		
SIZE	1/4" ~ 1"			SIZE	1-1/4" ~ 2"			SIZE	2-1/2" & 3"		

MARKING / NAME PLATE



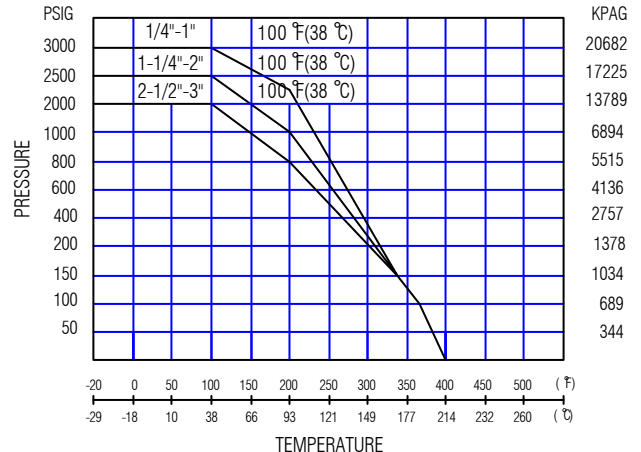
SIZE 1/4" & 3/8"



SIZE 1/2" - 3"

NOTE: (1) ALL MOUNTING PADS ON 1/2" TO 3" ARE NOT TAPPED BUT HAVE RESERVE HOLES CASTED IN. RECOMMENDED THREAD SIZES ARE LISTED FOR REFERENCE.

PRESSURE-TEMPERATURE RATING



DRAWING NO. LAI0122

REVISION NO. B2