



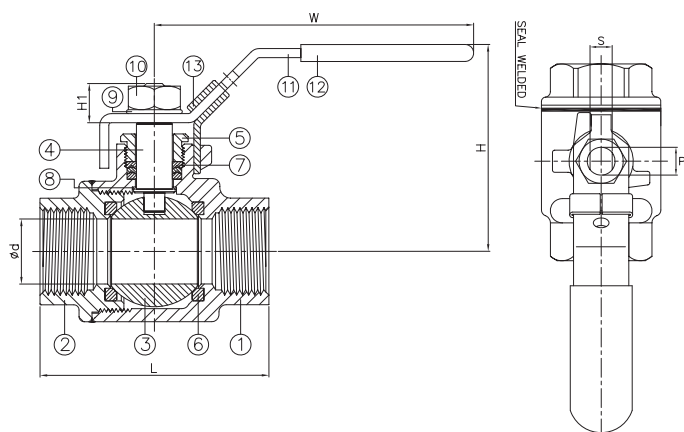
SERIES: B820TM - B820TC (1/4" - 4")

2-PC. SCREWED END BALL VALVE

SEAL WELDED

DESIGN FEATURES:

- Full port
- **W.P. :**
 - » 1/4"~1" - 2000 WOG(PN150)
 - » 1-1/4"~2" - 1500 WOG(PN100)
 - » 2-1/2"~4" - 1000 WOG(PN63)
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Blow-out proof stem
- Anti-static device
- Silicone Free
- Locking device
- **API 607 Fire safe approved**
- ASME B16.34 Wall thickness
- API 608 Design
- **NACE MRO103**
- Seal welded ends
 - » ASME B1.20.1 (NPT)
 - » DIN2999 & BS21
 - » ISO7/1 & EN10226



ITEM	PARTS	MATERIAL	
		B820TMRGNXX	B820TCRGNXX
1	BODY	ASTM A351-CF8M	ASTM A216-WCB
2	CAP		
3	BALL	316 ASTM CF8M	
4	STEM	ASTM A276-316	
5	GLAND NUT	AISI 304	
6	SEAT	RTFE	
7	PACKING	GRAPHITE	
8	THRUST WASHER	CTFE	
9	SPRING WASHER	AISI 304	
10	NUT		
11	HANDLE	STAINLESS STEEL	
12	HANDLE SLEEVE	PVC	
13	LOCK DEVICE	STAINLESS STEEL	

DN	d	L	H	H1	W	S	P	Torque (N-M)		Weight (kg)
								Action	Breakaway	
8	11.6	60.5	53.6	10.5	102	5.0	5/16"	3.6	5.1	0.4
10	12.8	60.5	53.6	10.5	102	5.0	5/16"	3.8	6.4	0.4
15	15.0	62.5	57.0	10.5	102	5.0	5/16"	3.8	6.4	0.4
20	20.2	77.0	62.1	13.5	124	6.5	3/8"	3.8	6.4	0.7
25	25.6	90.0	80.0	15.7	165	8.0	7/16"	7.7	11.4	1.3
32	32.0	100.0	83.7	15.7	165	8.0	7/16"	19.5	28.6	2.0
40	38.0	118.0	99.0	17.0	188	9.0	1/2"	19.5	32.5	2.5
50	50.8	138.0	107.0	17.0	188	9.0	1/2"	20.8	44.2	4.1
65	65.5	167.0	142.0	27.5	250	12.0	3/4"	33.0	55.0	6.4
80	80.0	193.0	153.0	27.5	250	12.0	3/4"	42.0	70.0	10.9
100	100.0	258.0	180.0	34.0	324	16.0	1"	54.0	90.0	21.0

unit: mm

NPS	d	L	H	H1	W	S	P	Torque (in-lb)		Weight (lb)
								Action	Breakaway	
1/4"	0.46	2.38	2.11	0.41	4.02	0.20	5/16"	31.9	45.1	0.9
3/8"	0.50	2.38	2.11	0.41	4.02	0.20	5/16"	33.6	56.6	0.9
1/2"	0.59	2.46	2.24	0.41	4.02	0.20	5/16"	33.6	56.6	0.9
3/4"	0.80	3.03	2.44	0.53	4.88	0.26	3/8"	33.6	56.6	1.5
1"	1.01	3.54	3.15	0.62	6.50	0.31	7/16"	68.2	100.9	2.9
1-1/4"	1.26	3.94	3.30	0.62	6.50	0.31	7/16"	172.6	253.1	4.4
1-1/2"	1.50	4.65	3.90	0.67	7.40	0.35	1/2"	172.6	287.6	5.5
2"	2.00	5.43	4.21	0.67	7.40	0.35	1/2"	184.1	391.2	9.0
2-1/2"	2.58	6.57	5.59	1.08	9.84	0.47	3/4"	292.1	486.8	14.1
3"	3.15	7.60	6.02	1.08	9.84	0.47	3/4"	371.7	619.5	24.0
4"	3.94	10.16	7.09	1.34	12.76	0.63	1"	477.9	796.6	46.3

unit: in