

- ① SPECIFICATION:**
- 1. SIZE: 1/2"-2"
  - 2. RATING: 1500 PSI (110.3 BAR)  
 -321°F (-18°C) TO +1107°F (+59°C) (PCTFE SEATS)  
 -70°F (-50°C) TO +1107°F (+59°C) (TFM SEATS)  
 0 PSI (0 BAR) AT +850°F (+481°C)
  - 3. FULL PORT
  - 4. END: SCREW/BUTT WELD/ROCKET WELD END
  - 5. LEVER OPERATOR
  - 6. FACE TO FACE ACCORDING TO DIN 2622 MS (NPT & SW)  
 / 513 (SW)
- ② TESTING:**
- QUALIFICATION TESTING TO BS 6841 & API 607
  - PRODUCTION PRESSURE TESTING TO API 606
  - SHELL - 1.5 X CRP WATER
  - SEAT - 85 psig (6g/cm<sup>2</sup>) AIR

VALVE SIZE	DIMENSIONS, in.									
	A	B	G	D	E	F	ISO 2211	H	L	
1/2"	0.68	2.05	0.59	5.31	1.65	M5	P04	1.29	5.51	
3/4"	0.79	2.15	1.09	5.31	1.65	M5	P04	1.69	5.51	
1"	0.95	2.54	1.30	6.50	1.87	M6	P05	2.13	5.91	
1 1/4"	1.36	4.38	1.62	6.50	1.87	M6	P05	2.59	5.91	
1 1/2"	1.50	4.72	1.84	6.56	2.76	M8	P07	2.89	6.69	
2"	1.87	5.51	2.50	6.05	2.76	M8	P07	3.05	6.69	

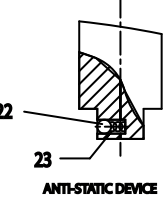
TOLERANCES (in.)  
 VAL END-TO-END LENGTHS: ±0.08 in.  
 OTHER VAL. DIM.: ±0.16 in.

VALVE SIZE	DIMENSIONS, mm									
	A	B	G	D	E	F	ISO 2211	H	L	
1/2"	16	75	25.1	135	42	M5	P04	40.4	140	
3/4"	20	80	27.7	135	42	M5	P04	42.9	140	
1"	24.4	90	1.30	160	50	M5	P05	54.1	150	
1 1/4"	32	110	41.1	160	50	M5	P05	65.2	150	
1 1/2"	38	120	46.3	200	70	M6	P07	73.4	170	
2"	50	140	63.5	200	70	M6	P07	77.5	170	

TOLERANCES (mm)  
 VAL. END-TO-END LENGTHS: ±2 mm  
 OTHER VAL. DIM.: ±4 mm

ITEM	PART NAME	MATERIAL	QTY
1	BODY	CF8M	1
2	END CAPS	CF8M	2
3	SEATS	PCTFE (REL-F)	2
4	BALL	CF8M	1
5	STEM	17-4 PH	1
6	BODY SEAL	GRAPHITE	2
7	THRUST WASHER, STEM	PCTFE (REL-F)	1
8	PLUNGER, STEM	GRAPHITE	1
9	BUSHING, GLAND	PTFE	1
10	GLAND	CF8	1
11	STOP PLATE	304 SS	1
12	SNAP RING, STOP PLATE	304 SS	1
13	HANDLE	STEEL, ZINC PLATED	1
14	COVER, HANDLE	VINYL	1
15	BOLTS, GLAND	304 SS	2
16	BUSHINGS, STOP	304 SS	2
17	BOLTS, BODY	A2-70	1 SET
18	BONNET	CF8M	1
19	STUDS, BONNET	304 SS	6
20	NUTS, BONNET	304 SS	6
21	GASSET, BONNET	GRAPHITE	1
22	SPRING, ANTI-STATIC	316 SS	2
23	SPRING, ANTI-STATIC	316 SS	2
24	SLAVE BEARING, STEM	INCOLOY (PTFE/SS)	1
25	ADAPTOR, HANDLE	A216-NC8	1
26	BELLEVILLE SPRING WASHER	304 SS	4
27	BOLT, HANDLE	STEEL, ZINC PLATED	1
28	LOCK WASHER, BONNET	304 SS	6
29	LOCK WASHER, BODY	304 SS	1 SET
30	WASHER, STUFF BOX	316 SS	1

SECTION A-A



ANTI-STATIC DEVICE

DIMENSIONS AND TOLERANCES PER ANSI Y14.5 DIMENSIONS AND TOLERANCES PER ANSI Y14.5 DO NOT SCALE DRAWING	CR4700F 1/2"-2" NPT & SW ENDS	<b>RICHARDS INDUSTRIES</b> CHICAGO, ILL. 60644
CONFIDENTIAL	DWG. NO. 20-47002 DATE 08/11/12	20-47002