



NO.	DESCRIPTION	QTY.	MATERIAL
1	BODY	1	ASTM A 216 Gr. WCB/ASTM A 351 Gr. CF8/8M
2	BONNET	1	M.S.
3	GLAND	1	C.I. TO I.S. 210 Gr. FG 200
4	GATE	1	S.S. 304 / S.S. 316
5	SPINDLE	1	AIISI 304 / AIISI 316
6	SPINDLE NUT	1	M.S. / G.M.
7	GLAND PACKING	Req.	P.T.F.E. / GRAPHITE ASBESTOS
8	WHEEL	1	CAST IRON / S.G. IRON
9	GLAND WITH BOLT,NUT	Req.	ASTM A 193 Gr. B7/2H/S.S. 304 / S.S. 316
10	BODY SEAT	1	NEOPRENE/SILICON/P.T.F.E./NITON/S.S.304/316

TECHNICAL DATA
 VALVE DESIGN :- MSS SP-81
 TESTING STD. :- AS PER MSS SP 81 NORMS
 WORKING PRESSURE :- 10 BAR UP TO 300mm & 2-5 BAR ON HIGHER SIZE.
 END CONNECTION :- ANSI B 16.5/ DN PN 10.16/ BS 10 TABLE D ETC.

UNSPECIFIED TOLERANCE FOR MACHINED DIM.		DESCRIPTION	
0-75	± 0.12	75-300	± 0.15
300-600	± 0.2	600-1000	± 0.25
1000-1500	± 0.3	1500-2000	± 0.4
2000-3000	± 0.4	3000-4000	± 0.5
4000-6000	± 0.5	6000-8000	± 0.6
8000-12000	± 0.6	12000-18000	± 0.75
18000-25000	± 0.75	25000-35000	± 0.9
35000-50000	± 0.9	50000-75000	± 1.1
75000-100000	± 1.1	100000-150000	± 1.4
150000-200000	± 1.4	200000-300000	± 1.75
300000-400000	± 1.75	400000-600000	± 2.0
600000-800000	± 2.0	800000-1200000	± 2.5
1200000-1800000	± 2.5	1800000-2500000	± 3.0
2500000-3500000	± 3.0	3500000-5000000	± 3.75
5000000-7000000	± 3.75	7000000-10000000	± 4.5
10000000-15000000	± 4.5	15000000-20000000	± 5.5
20000000-30000000	± 5.5	30000000-40000000	± 6.5
40000000-60000000	± 6.5	60000000-80000000	± 8.0
80000000-100000000	± 8.0	100000000-150000000	± 10.0
150000000-200000000	± 10.0	200000000-300000000	± 12.5
300000000-400000000	± 12.5	400000000-600000000	± 15.0
600000000-800000000	± 15.0	800000000-1000000000	± 18.0
1000000000-1500000000	± 18.0	1500000000-2000000000	± 22.0
2000000000-3000000000	± 22.0	3000000000-4000000000	± 27.0
4000000000-6000000000	± 27.0	6000000000-8000000000	± 33.0
8000000000-10000000000	± 33.0	10000000000-15000000000	± 40.0
15000000000-20000000000	± 40.0	20000000000-30000000000	± 50.0
30000000000-40000000000	± 50.0	40000000000-60000000000	± 63.0
60000000000-80000000000	± 63.0	80000000000-100000000000	± 78.0
100000000000-150000000000	± 78.0	150000000000-200000000000	± 95.0
200000000000-300000000000	± 95.0	300000000000-400000000000	± 118.0
400000000000-600000000000	± 118.0	600000000000-800000000000	± 148.0
800000000000-1000000000000	± 148.0	1000000000000-1500000000000	± 188.0
1500000000000-2000000000000	± 188.0	2000000000000-3000000000000	± 238.0
3000000000000-4000000000000	± 238.0	4000000000000-6000000000000	± 300.0
6000000000000-8000000000000	± 300.0	8000000000000-10000000000000	± 375.0
10000000000000-15000000000000	± 375.0	15000000000000-20000000000000	± 475.0
20000000000000-30000000000000	± 475.0	30000000000000-40000000000000	± 600.0
40000000000000-60000000000000	± 600.0	60000000000000-80000000000000	± 750.0
80000000000000-100000000000000	± 750.0	100000000000000-150000000000000	± 938.0
150000000000000-200000000000000	± 938.0	200000000000000-300000000000000	± 1175.0
300000000000000-400000000000000	± 1175.0	400000000000000-600000000000000	± 1463.0
600000000000000-800000000000000	± 1463.0	800000000000000-1000000000000000	± 1838.0
1000000000000000-1500000000000000	± 1838.0	1500000000000000-2000000000000000	± 2313.0
2000000000000000-3000000000000000	± 2313.0	3000000000000000-4000000000000000	± 2888.0
4000000000000000-6000000000000000	± 2888.0	6000000000000000-8000000000000000	± 3613.0
8000000000000000-10000000000000000	± 3613.0	10000000000000000-15000000000000000	± 4518.0
15000000000000000-20000000000000000	± 4518.0	20000000000000000-30000000000000000	± 5643.0
30000000000000000-40000000000000000	± 5643.0	40000000000000000-60000000000000000	± 7068.0
60000000000000000-80000000000000000	± 7068.0	80000000000000000-100000000000000000	± 8843.0
100000000000000000-150000000000000000	± 8843.0	150000000000000000-200000000000000000	± 11068.0
200000000000000000-300000000000000000	± 11068.0	300000000000000000-400000000000000000	± 13843.0
400000000000000000-600000000000000000	± 13843.0	600000000000000000-800000000000000000	± 17268.0
800000000000000000-1000000000000000000	± 17268.0	1000000000000000000-1500000000000000000	± 21643.0
1500000000000000000-2000000000000000000	± 21643.0	2000000000000000000-3000000000000000000	± 27268.0
3000000000000000000-4000000000000000000	± 27268.0	4000000000000000000-6000000000000000000	± 34143.0
6000000000000000000-8000000000000000000	± 34143.0	8000000000000000000-10000000000000000000	± 42468.0
10000000000000000000-15000000000000000000	± 42468.0	15000000000000000000-20000000000000000000	± 52443.0
20000000000000000000-30000000000000000000	± 52443.0	30000000000000000000-40000000000000000000	± 65168.0
40000000000000000000-60000000000000000000	± 65168.0	60000000000000000000-80000000000000000000	± 81443.0
80000000000000000000-100000000000000000000	± 81443.0	100000000000000000000-150000000000000000000	± 101468.0
150000000000000000000-200000000000000000000	± 101468.0	200000000000000000000-300000000000000000000	± 125443.0
300000000000000000000-400000000000000000000	± 125443.0	400000000000000000000-600000000000000000000	± 155468.0
600000000000000000000-800000000000000000000	± 155468.0	800000000000000000000-1000000000000000000000	± 194443.0
1000000000000000000000-1500000000000000000000	± 194443.0	1500000000000000000000-2000000000000000000000	± 244468.0
2000000000000000000000-3000000000000000000000	± 244468.0	3000000000000000000000-4000000000000000000000	± 304443.0
4000000000000000000000-6000000000000000000000	± 304443.0	6000000000000000000000-8000000000000000000000	± 376468.0
8000000000000000000000-10000000000000000000000	± 376468.0	10000000000000000000000-15000000000000000000000	± 464443.0
15000000000000000000000-20000000000000000000000	± 464443.0	20000000000000000000000-30000000000000000000000	± 574468.0
30000000000000000000000-40000000000000000000000	± 574468.0	40000000000000000000000-60000000000000000000000	± 714443.0
60000000000000000000000-80000000000000000000000	± 714443.0	80000000000000000000000-100000000000000000000000	± 884468.0
100000000000000000000000-150000000000000000000000	± 884468.0	150000000000000000000000-200000000000000000000000	± 1094443.0
200000000000000000000000-300000000000000000000000	± 1094443.0	300000000000000000000000-400000000000000000000000	± 1344468.0
400000000000000000000000-600000000000000000000000	± 1344468.0	600000000000000000000000-800000000000000000000000	± 1644443.0
800000000000000000000000-1000000000000000000000000	± 1644443.0	1000000000000000000000000-1500000000000000000000000	± 2044468.0
1500000000000000000000000-2000000000000000000000000	± 2044468.0	2000000000000000000000000-3000000000000000000000000	± 2544443.0
3000000000000000000000000-4000000000000000000000000	± 2544443.0	4000000000000000000000000-6000000000000000000000000	± 3144468.0
6000000000000000000000000-8000000000000000000000000	± 3144468.0	8000000000000000000000000-10000000000000000000000000	± 3844443.0
10000000000000000000000000-15000000000000000000000000	± 3844443.0	15000000000000000000000000-20000000000000000000000000	± 4744468.0
20000000000000000000000000-30000000000000000000000000	± 4744468.0	30000000000000000000000000-40000000000000000000000000	± 5844443.0
40000000000000000000000000-60000000000000000000000000	± 5844443.0	60000000000000000000000000-80000000000000000000000000	± 7144468.0
80000000000000000000000000-100000000000000000000000000	± 7144468.0	100000000000000000000000000-150000000000000000000000000	± 8744443.0
150000000000000000000000000-200000000000000000000000000	± 8744443.0	200000000000000000000000000-300000000000000000000000000	± 10644468.0
300000000000000000000000000-400000000000000000000000000	± 10644468.0	400000000000000000000000000-600000000000000000000000000	± 12944443.0
600000000000000000000000000-800000000000000000000000000	± 12944443.0	800000000000000000000000000-1000000000000000000000000000	± 15644468.0
1000000000000000000000000000-1500000000000000000000000000	± 15644468.0	1500000000000000000000000000-2000000000000000000000000000	± 19444443.0
2000000000000000000000000000-3000000000000000000000000000	± 19444443.0	3000000000000000000000000000-4000000000000000000000000000	± 24444468.0
4000000000000000000000000000-6000000000000000000000000000	± 24444468.0	6000000000000000000000000000-8000000000000000000000000000	± 30444443.0
8000000000000000000000000000-10000000000000000000000000000	± 30444443.0	10000000000000000000000000000-15000000000000000000000000000	± 37444468.0
15000000000000000000000000000-20000000000000000000000000000	± 37444468.0	20000000000000000000000000000-30000000000000000000000000000	± 45444443.0
30000000000000000000000000000-40000000000000000000000000000	± 45444443.0	40000000000000000000000000000-60000000000000000000000000000	± 55444468.0
60000000000000000000000000000-80000000000000000000000000000	± 55444468.0	80000000000000000000000000000-100000000000000000000000000000	± 67444443.0
100000000000000000000000000000-150000000000000000000000000000	± 67444443.0	150000000000000000000000000000-200000000000000000000000000000	± 81444468.0
200000000000000000000000000000-300000000000000000000000000000	± 81444468.0	300000000000000000000000000000-400000000000000000000000000000	± 97444443.0
400000000000000000000000000000-600000000000000000000000000000	± 97444443.0	600000000000000000000000000000-800000000000000000000000000000	± 11644468.0
800000000000000000000000000000-1000000000000000000000000000000	± 11644468.0	1000000000000000000000000000000-1500000000000000000000000000000	± 13944443.