



CON VALVES & ENGINEERING PVT LTD

www.flushbottomvalves.net

www.ivevalves.com

Email

valves@ivevalves.com

fbv@ivevalves.com

PRESSURE TEMPRETURE RATINGS													
ASME B 16.34 MAXIMUM ALLOWABLE NON - SHOCK PRESSURE, PSIG/KG/CM2 G.													
Service Temperature		CLASS 150				CLASS 300				CLASS 600			
F	C	CF8		CF8M		CF 8		CF 8M		CF 8		CF 8M	
20 to	29 to	psig	kgf / cm2	psig	kgf / cm2	psig	kgf / cm2	psig	kgf / cm2	psig	kgf / cm2	psig	kgf / cm2
100	38	275	19.2	275	19.2	720	50.4	720	50.4	1440	100.8	1440	100.8
200	93	230	16.1	235	16.45	600	42	620	43.4	1200	84	1240	86.8
300	149	205	14.3	215	15.05	540	37.8	560	39.2	1080	75.6	1120	78.4
400	204	190	13.3	195	13.65	495	34.7	515	36.05	995	69.65	1025	71.75
500	260	170	11.9	170	11.9	465	32.55	480	33.6	930	65.1	955	66.85
600	316	140	9.8	140	9.8	435	30.45	450	31.5	875	61.25	900	63
650	343	125	8.75	125	8.75	430	30.1	445	31.15	860	60.2	890	62.3
700	371	110	7.7	110	7.7	425	29.75	430	30.1	850	59.5	870	60.9
750	399	95	6.65	95	6.65	415	29.05	425	29.75	830	58.1	855	59.85
800	427	80	5.6	80	5.6	405	28.35	420	29.4	805	56.35	845	59.15
850	454	65	4.55	65	4.55	395	27.65	420	29.4	790	55.3	835	58.45
900	482	50	3.5	50	3.5	390	27.3	415	29.05	780	54.6	830	58.1
950	510	35	2.45	35	2.45	380	26.6	385	26.95	765	53.55	775	54.25
1000	538	20	1.4	20	1.4	320	22.4	350	24.5	640	44.8	700	49
1050	566	20*	1.4	20*	1.4	310	21.7	345	24.15	615	43.08	685	47.95
1100	593	20*	1.4	20*	1.4	255	17.85	305	21.35	515	36.05	610	42.7
1150	621	20*	1.4	20*	1.4	200	14	235	16.45	400	28	475	33.25
1200	649	20*	1.4	20*	1.4	155	10.85	185	12.95	310	21.7	370	25.9
1250	677	20*	1.4	20*	1.4	115	8.05	145	10.15	225	15.75	295	20.65
1300	704	20*	1.4	20*	1.4	85	6	115	8.05	170	11.9	235	16.45
1350	732	20*	1.4	20*	1.4	60	4.2	95	6.65	125	8.75	190	13.3
1400	760	20*	1.4	20*	1.4	50	3.5	75	5.25	95	6.65	150	10.5
1450	788	15*	1.4	20*	1.4	35	2.5	60	4.2	70	4.9	115	8.05
1500	816	10*	0.7	15*	1.4	25	1.75	40	2.8	55	3.85	85	5.95
Hydrostatic Shell Test Pressure		425 / 30				1100 / 78				2175 / 153			
Valve Closure	Hydro-static	305 / 22				795 / 56				1585 / 115			
Test Pressure	AIR	100 / 7				100 / 7				100 / 7			

Service Temperature		CLASS 900				CLASS 1500			
F	C	CF 8		CF 8M		CF 8		CF 8M	
20 to	29 to	psig	kgf / cm2	psig	kgf / cm2	psig	kgf / cm2	psig	kgf / cm2
100	38	2160	151.2	2160	151.2	3600	252	3600	252
200	93	1800	126	1860	130.2	3000	210	3095	216.65
300	149	1620	113.4	1680	117.6	2700	189	2795	195.65
400	204	1490	104.3	1540	107.8	2485	174	2570	179.9
500	260	1395	97.5	1435	100.4	2330	163.1	2390	167.3
600	316	1310	91.7	1355	94.85	2185	152.95	2255	157.85
650	343	1290	90.3	1330	93.1	2150	150.5	2220	155.4
700	371	1275	89.25	1305	91.4	2125	148.75	2170	151.9
750	399	1245	87.2	1280	89.6	2075	145.25	2135	149.45
800	427	1210	84.7	1265	88.55	2015	141.05	2110	147.7
850	454	1190	83.3	1255	87.85	1980	138.6	2090	146.3
900	482	1165	81.55	1245	87.2	1945	136.15	2075	145.25
950	510	1145	80.15	1160	81.2	1910	133.7	1930	135.1
1000	538	965	67.55	1050	73.5	1605	112.35	1750	122.5
1050	566	925	64.8	1030	72.1	1545	108.15	1720	120.4
1100	593	770	53.9	915	64.05	1285	89.95	1525	106.75
1150	621	595	41.65	710	49.7	995	69.65	1185	82.95
1200	649	465	32.55	555	38.85	770	53.9	925	64.75
1250	677	340	23.8	440	30.8	565	39.55	735	51.5
1300	704	255	17.85	350	24.5	430	30.1	585	40.95
1350	732	185	13	290	20.3	310	21.7	780	33.6
1400	760	145	10.15	225	15.75	240	16.8		26.6
1450	788	105	7.35	175	12.25	170	11.9		20.3
1500	816	80	5.6	125	8.75	135	9.45		14.35
Hydrostatic Shell Test Pressure		3250 / 230				5400 / 380			
Valve Closure	Hydro-static	2380 / 170				3960 / 280			
Test Pressure	AIR	100 / 7				100 / 7			