



TAPER PLUG VALVES

Pressure Test / Inspection

After assembling, before delivery, all Christensens Plug Valves pass through a careful pressure test. The test is carried out acc. to the following standards: ASME B 16.34, BS 1560, BS 6755 API 598 and ASME B16.1.

If the customer or his representative wants to participate at the test - or, if there are special requirements to the pressure testing, this must be arranged with the manufacturer and stipulated in the purchase order.

Material	ASME B 16.1		(1/2" to 12")		Class			(14" to 36")	
			125	250				125	250
Semi Steel ASTM A126 Class B	Maximum Cold Working Pressure	PSI BAR	200 13,8	500 34,5				150 11,0	300 21,0
	Hydrostatic Shell Test	PSI BAR	300 20,7	750 51,8				230 16,0	450 30,0
	Seat Test	Min. PSI Min. BAR	220 15,2	550 37,9				165 12,0	330 23,0

Material			Class						
			150	300	400	600	900	1500	2500
Carbon Steel ASTM A216 Gr. WCB	Maximum Cold Working Pressure	PSI BAR	285 19,7	740 51,0	990 68,1	1480 102,0	2220 153,1	3705 255,5	6170 425,4
	Hydrostatic Shell Test	PSI BAR	450 30,0	1125 77,0	1500 103,0	2225 154,0	3350 230,0	5575 383,0	9275 639,0
	Seat Test	Min. PSI Min. BAR	315 21,5	815 56,2	1090 74,9	1630 112,3	2442 168,5	4075 280,8	6787 468,0

Material			Class						
			150	300	400	600	900	1500	2500
Carbon Steel ASTM A352 Gr. LCB	Maximum Cold Working Pressure	PSI BAR	265 18,3	695 47,9	925 63,8	1390 95,8	2085 143,8	3470 239,2	5785 398,9
	Hydrostatic Shell Test	PSI BAR	400 28,0	1050 72,0	1400 96,0	2100 144,0	3150 216,0	5225 360,0	8700 599,0
	Seat Test	Min. PSI Min. BAR	292 20,2	765 52,7	1018 70,2	1529 105,5	2294 158,2	3817 263,3	6364 438,9

Material			Class						
			150	300	400	600	900	1500	2500
Stainless Steel ASTM A351 Gr. CF8M	Maximum Cold Working Pressure	PSI BAR	275 19,0	720 49,6	960 66,2	1440 99,3	2160 148,9	3600 248,2	6000 413,7
	Hydrostatic Shell Test	PSI BAR	425 29,0	1100 75,0	1450 100,0	2175 149,0	3250 224,0	5400 373,0	9000 621,0
	Seat Test	Min. PSI Min. BAR	303 20,9	792 54,6	1056 72,8	1584 109,2	2376 163,7	3960 272,9	6600 454,9

Material			Class						
			150	300	400	600	900	1500	2500
ASTM A216 Gr. WCC ASTM A352 Gr. LCC ASTM A352 Gr. LC2 ASTM A890 Gr. 4A	Maximum Cold Working Pressure	PSI BAR	290 20,0	750 51,7	1000 69,0	1500 103,4	2250 155,1	3750 258,6	6250 430,9
	Hydrostatic Shell Test	PSI BAR	450 30,0	1125 78,0	1500 104,0	2250 156,0	3375 233,0	5625 388,0	9375 647,0
	Seat Test	Min. PSI Min. BAR	319 22,0	825 56,9	1100 75,9	1650 113,7	2475 170,7	4125 284,5	6875 474,0