



NOVEL VALVES INDIA PVT. LTD.

HYDROSTATIC & PNEUMATIC TEST

PRESSURE TEST CHART – API 598, BS6755-1 HYDROSTATIC TEST PRESSURE IS AS FOLLOWS					MINIMUM TEST PRESURE & DURATION AS PER API 6D			
CLASS	SHELL TEST (BODY)		SEAT & BACKSEAT		MINIMUM TEST DURATION IN MINUTE (Second)			
	PSIG	Kg/cm²	PSIG	Kg/cm²	VALVE SIZE	SHELL	SEAT	BACK SEAT (GLAND)
150 #	450	32	325	23	4" & Smaller	2 (120)	2 (120)	2 (120)
300 #	1125	79	825	58	6" to 10"	5 (300)	5 (300)	5 (300)
600 #	2225	157	1650	116	12" to 18"	15 (900)	5 (300)	5 (300)
800 #	3000	211	2200	155	20" & Larger	30 (1800)	10 (600)	5 (300)
900 #	3350	236	2450	172	Low Pressure Gas Seat Testing Using Air or Nitrogen @ 7kg/cm² (High pressure gas shell test as per API 6D :- ½" to 18" = 15Min. , 20" & Above :- 30min.)			
1500 #	5575	392	4075	287				
2500 #	9275	652	6800	478				
4500 #	16675	1172	12225	860				
MINIMUM TEST PRESURE & DURATION AS PER BS EN 6755-1/BS EN 12266-I					MINIMUM TEST PRESURE & DURATION AS PER API 598			
MINIMUM TEST DURATION IN SECOND					MINIMUM TEST DURATION IN SECOND			
		SEAT / BACK SEAT	PNEUMATIC SEAT			SEAT / BACK SEAT	CHECK VALVE API 594	
VALVE SIZE	BODY			VALVE SIZE	BODY		SHELL	SEAT
2" & Smaller	15 Sec.	15 Sec.	15 Sec.	2" & Smaller	15 Sec.	15 Sec.	60 Sec.	60 Sec.
2.5" to 8"	60 Sec.	30 Sec.	15 Sec.	2.5" to 6"	60 Sec.	60 Sec.	60 Sec.	60 Sec.
10" to 18"	180 Sec.	60 Sec.	30 Sec.	8" to 12"	120 Sec.	60 Sec.	120 Sec.	120 Sec.
20" & Larger	180 Sec.	120 Sec.	30 Sec.	14" & Larger	300 Sec.	60 Sec.	120 Sec.	120 Sec.
Low Pressure Gas Seat Testing Using Air or Nitrogen @ 7kg/cm² (g)				Low Pressure Gas Seat Testing Using Air or Nitrogen @ 7kg/cm² (g)				