



Pressure - Temperature Ratings of Stainless Steel Valves (ASME B16.34-2004)

Pressure Class		150				300				600			
Service Temperature		CF3	CF8	CF3M	CF8M	CF3	CF8	CF3M	CF8M	CF3	CF8	CF3M	CF8M
°C	°F	PSIG		PSIG		PSIG		PSIG		PSIG		PSIG	
-29 to +38	-20 to +100	275		275		720		720		1440		1440	
93	200	230		235		600		620		1200		1240	
149	300	205		215		540		560		1075		1120	
204	400	190		195		495		515		995		1025	
260	500	170		170		465		480		930		955	
316	600	140		140		440		450		885		900	
343	650	125		125		430		440		865		885	
371	700	110		110		420		435		845		870	
399	750	95		95		415		425		825		855	
427	800	80		80		405		420		810		845	
454	850	65		65		395		420		790		835	
482	900	50		50		390		415		780		830	
510	950	35		35		380		385		765		775	
538	1000	20		20		355		365		710		725	
566	1050	20 *		20 *		325		345		650		720	
593	1100	20 *		20 *		255		305		515		610	
621	1150	20 *		20 *		205		235		410		475	
649	1200	20 *		20 *		165		185		330		370	
677	1250	20 *		20 *		135		145		265		295	
704	1300	20 *		20 *		115		115		225		235	
732	1350	20 *		20 *		95		95		185		190	
760	1400	20 *		20 *		75		75		150		150	
788	1450	20 *		20 *		60		60		115		115	
816	1500	15 *		15 *		40		40		85		85	

Hydrostatic Shell Test Pressure		425 psig	425 psig	1100 psig	1100 psig	2175 psig	2175 psig
Valve Closure Test Pressure	Hydrostatic	350 psig	350 psig	800 psig	800 psig	1585 psig	1585 psig
	Air	80 psig	80 psig	80 psig	80 psig	80 psig	80 psig

* Applies to Welding End valves only. Flanged End valve ratings terminate at 1000° F.

CF3 is not recommended for service above 800° F. CF3M is not recommended for service above 850° F.