



Pressure Temperature Ratings for MSS Valves

MSS SP-80

CLASS	PRESSURE ^(c) - psi							
	125	150		200	300			350
END	THD	THD	FLG ^(b)	THD	THD ^(e)	THD	FLG ^(b)	THD
	SOLDER ^(c)	SOLDER ^(c)		SOLDER ^(c)		SOLDER ^(c)		
TEMP	MATERIAL							
	ASTM B62			ASTM B61				
-20 to 150	200	300	225	400	1000	600	500	1000
200	185	270	210	375	920	560	475	920
250	170	240	195	350	830	525	450	830
300	155	210	180	325	740	490	425	750
350	140	180	165	300	650	450	400	670
400	-	-	-	275	560	410	375	590
406	125	150	150	-	-	-	-	-
450	120 ^(d)	145 ^(d)	-	250	480	375	350	510
500	-	-	-	225	390	340	325	430
550	-	-	-	200	300	300	300	350

- Notes: (a) For lower temperatures, refer to 2.5 of MSS SP-80
 (b) P-T Ratings – ASME B16.24
 (c) Refer to 2.4 of MSS SP-80 for safe P-T rating of solder-joint piping systems.
 (d) Some codes (ASME BPVC, Sec. I) limit the rating temp of this material to 406F.
 (e) Alternate ratings for valve sizes 1/8 -2 having threaded ends and union ring body-bonnet joints.

Table above taken from Manufacturer's Standardization Society's Publication MSS SP-80, 2003 Ed., which is the Standard Practice for Bronze Gate, Globe, Angle and Check Valves, developed and approved by MSS (see their website at www.mss-hq.com).