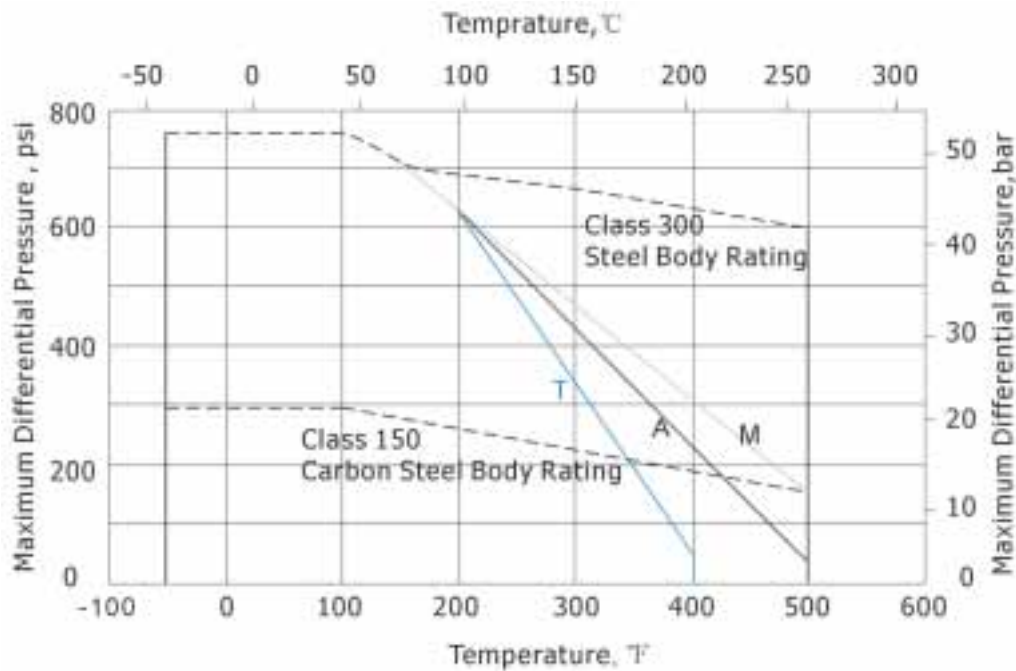


Temperature - Pressure Function



T- PTFE M- RPTFE A- Fireproof

Notes:

- ▶ 14" ~ 60" (DN350 ~1500) Class 150 valves equipped with 316 stainless steel or Alloy20 stem are rated for maximum differential pressure of 150psi.
- ▶ 3" ~ 36" (DN80 ~ 900) Class 300 valves equipped with 316 stainless steel or Alloy20 stem are rated for maximum differential pressure of 300psi.

These ratings are a conservative guide for general service. Previous experience in a process or new developments and alternative seat materials may permit applications at rating above those shown. Please consult our home office for specific recommendations. Consult EG-GRV your especial application.

Seat ratings

CLASS150 VALVE BODY RATINGS (PSI)				
Temperature,	Carbon steel	SS 316	Alloy 20	Monel
-20 to 100	285	275	230	230
200	260	240	200	200
300	230	215	180	190
400	200	195	160	185
500	170	170	150	157
Test pressure	450	425	350	350

CLASS150 VALVE BODY RATINGS, (BAR)

Temp. °C	Carbon steel	SS 316	Alloy 20	Monel
-29 to 38	19.7	19.0	15.8	15.8
93	17.9	16.5	13.8	13.8
149	15.8	14.8	12.4	13.1
204	13.8	13.4	11.0	12.8
260	11.7	11.7	10.3	11.7
Test pressure	31	29.3	24.1	24.1

CLASS 300 VALVE BODY RATINGS, (PSI)

Temp. °C	Carbon steel	SS 316	Alloy20	Monel
-20 to 100	740	720	600	600
200	675	620	520	530
300	655	560	465	495
400	635	515	420	480
500	600	480	390	475
Test pressure	1125	1100	900	900

CLASS 300 VALVE BODY RATINGS, (BAR)

Temp. °C	Carbon steel	SS 316	Alloy20	Monel
-29 to 38	51	49.6	41.4	41.1
93	46.5	42.7	35.9	36.5
149	45.2	38.6	32.1	34.1
204	43.8	35.5	29.0	33.1
260	41.4	33.1	26.9	32.8
Test pressure	77.6	75.8	62	62

The above tables present the maximum values of the working and testing pressure ratings of all the valve bodies only. The practical pressures under actual service conditions should be determined by the seat ratings. The valve pressure tests are performed as hydrostatic tests under disc-opening condition.