

### B16.5 Carbon Steel Flange Pressure / Temperature Ratings

Process Temp. °F	Max. Working Pressure (PSIG)			
	ANSI 150	ANSI 300	ANSI 600	ANSI 1500
-20 to 100	285	740	1480	3705
200	260	675	1350	3375
300	230	655	1315	3280
400	200	635	1270	3170
500	170	600	1200	2995
650	125	535	1075	2685

### B16.5 316 SS Flange Pressure / Temperature Ratings

Process Temp. °F	Max. Working Pressure (PSIG)			
	ANSI 150	ANSI 300	ANSI 600	ANSI 1500
-20 to 100	275	720	1440	3600
200	230	600	1200	3000
300	205	540	1080	2700
400	190	495	995	2485
500	170	465	930	2330
650	125	430	860	2150

### Threaded Diaphragm Seal Pressure / Temperature Ratings

Process Temp. °F	Max. Working Pressure (PSIG)			
	1250	2500	5000	10000
-20 to 100	1250	2500	5000	10000
200	1075	2150	4300	8600
300	975	1950	3900	7800
400	900	1800	3600	7200
500	825	1650	3300	6600
650	750	1500	3000	6000

### Gasket / O-Ring Temperature Limits

Code	Gasket / O-Ring Material	Temp ° F
A	Klinger C-4401 (Standard)	450
B	CGR-2750	350
C	Grafoil	650
D	Gylon 3510	300
E	Teflon	350
F	Viton	400
G	Buna-N	250
H	Kalrez	500

### Fill Fluid Characteristics

RJ Global Code	Fill Fluid	Fluid Type	Temperature Range	Specific Gravity	Viscosity	Minimum Process Pressure (PSIA) at Max Temperature
A	DC 200	Silicone	-45 to 400° F	0.913	9.50 CS	1.0
B	DC 704	Silicone	+50 to 640° F	1.070	44.00 CS	14.7
C	DC 710	Silicone	+45 to 700° F	1.110	500.00 CS	35.0
D	Syltherm 800	Silicone	-40 to 600° F	0.934	9.50 CS	100.0
E	Syltherm XLT	Silicone	-150 to 500° F	0.850	1.40 CP	100.0
F	Neobee	Sanitary	0 to 400° F	0.920	9.80 CS	5.0
G	Fluorolube FS-5	Inert	-20 to 300° F	1.850	6.50 CS	10.0
H	Halocarbon 1.8	Inert	-100 to 210° F	1.820	1.80 CS	14.7
J	Halocarbon 4.2	Inert	-30 to 300° F	1.850	4.20 CS	12.0
K	Halocarbon 6.3	Inert	-20 to 425° F	1.870	6.30 CS	10.0
L	Propylene Glycol	Not Suggested Unless Required By Application	0 to 200° F	1.030	2.85 CS	14.7
M	Ethylene Glycol		-25 to 320° F	1.100	5.30 CP	14.7
N	Deionized Water		+40 to 200° F	0.997	0.91 CP	14.7