

application report

For: DESIGN RATINGS OF SM SERIES, ANSI 300# UNITS USING TEMPERED BOROSILICATE GLASS

MATERIALS OF CONSTRUCTION ^A	GASKET	PRESSURE at TEMPERATURE RATING (°F)												
		-300°	-150°	-120°	-65°	-20°	100°	150°	250°	300°	350°	400°	450°	500°
MONEL®	NBR (BUNA N®)				←-----600 psig-----> [4135 kPa]			565 [3900]	515 [3550]					
	NEOPRENE®				←-----600 psig-----> [4135 kPa]			565 [3900]	515 [3550]	495 [3410]				
	FKM (VITON®)					← 600 psig > [4135 kPa]	565 [3900]	515 [3550]	495 [3410]	485 [3350]	480 [3300]	475 [3275]	475 [3275]	
	PCTFE (KEL-F®)	←-----600 psig-----> [4135 kPa]						565 [3900]	515 [3550]	495 [3410]	485 [3350]	480 [3300]	475 [3275]	475 [3275]
	PTFE (TEFLON®)	←-----600 psig-----> [4135 kPa]						565 [3900]	515 [3550]	495 [3410]	485 [3350]	480 [3300]	475 [3275]	475 [3275]
	GRAPHITE (GRAFOIL®)	←-----600 psig-----> [4135 kPa]						565 [3900]	515 [3550]	495 [3410]	485 [3350]	480 [3300]	475 [3275]	475 [3275]
	NON-ASBESTOS (NOBESTOS®)		←-----600 psig-----> [4135 kPa]						565 [3900]	515 [3550]	495 [3410]	485 [3350]	480 [3300]	475 [3275]
HASTELLOY C®	NBR (BUNA N®)				←-----750 psig-----> [5175 kPa]									
	NEOPRENE®				←-----750 psig-----> [5175 kPa]			740 [5100]	730 [5025]					
	FKM (VITON®)					←-----750 psig-----> [5175 kPa]	740 [5100]	730 [5025]	715 [4925]	705 [4850]	685 [4725]	665 [4575]		
	PCTFE (KEL-F®)	←-----750 psig-----> [5175 kPa]						740 [5100]	730 [5025]	715 [4925]	705 [4850]	685 [4725]	665 [4575]	
	PTFE (TEFLON®)	←-----750 psig-----> [5175 kPa]						740 [5100]	730 [5025]	715 [4925]	705 [4850]	685 [4725]	665 [4575]	
	GRAPHITE (GRAFOIL®)	←-----750 psig-----> [5175 kPa]						740 [5100]	730 [5025]	715 [4925]	705 [4850]	685 [4725]	665 [4575]	
	NON-ASBESTOS (NOBESTOS®)		←-----750 psig-----> [5175 kPa]						740 [5100]	730 [5025]	715 [4925]	705 [4850]	685 [4725]	665 [4575]
MATERIALS OF CONSTRUCTION ^A	GASKET	-188°	-101°	-84°	-54°	-29°	38°	66°	121°	149°	177°	204°	232°	260°
		PRESSURE at TEMPERATURE RATING (°C)												

^A REFERENCE THE MATERIAL SPECIFICATION sheets to determine standard materials of construction.

NOTE: a 316 sts body with carbon steel covers would be rated as carbon steel in a low-temp application (-20°F : lowest temperature rating)