

application report

For: DESIGN RATINGS OF STW(X) SERIES, ANSI 150# 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®)				←-----230 psig-----> [1600 kPa]			215 [1550]	195 [1350]					
	NEOPRENE®				←-----230 psig-----> [1600 kPa]			215 [1550]	195 [1350]	190 [1300]				
	FKM (VITON®)					←-230 psig > [1600 kPa]	215 [1550]	195 [1350]	190 [1300]	←-----185-----> [1275]		175 [1200]	170 [1175]	
	PCTFE (KEL-F®)	←-----230 psig-----> [1600 kPa]						215 [1550]	195 [1350]	190 [1300]	←-----185-----> [1275]		175 [1200]	170 [1175]
	PTFE (TEFLON®)	←-----230 psig-----> [1600 kPa]						215 [1550]	195 [1350]	190 [1300]	←-----185-----> [1275]		175 [1200]	170 [1175]
	GRAPHITE (GRAFOIL®)	←-----230 psig-----> [1600 kPa]						215 [1550]	195 [1350]	190 [1300]	←-----185-----> [1275]		175 [1200]	170 [1175]
	NON-ASBESTOS (NOBESTOS®)		←-----230 psig-----> [1600 kPa]						215 [1550]	195 [1350]	190 [1300]	←-----185-----> [1275]		175 [1200]
HASTELLOY C®	NBR (BUNA N®)				←-----290 psig-----> [2000 kPa]			275 [1900]						
	NEOPRENE®				←-----290 psig-----> [2000 kPa]			275 [1900]	245 [1700]	230 [1600]				
	FKM (VITON®)					← 290 psig > [2000 kPa]	275 [1900]	245 [1700]	230 [1600]	215 [1475]	200 [1375]	185 [1275]	170 [1175]	
	PCTFE (KEL-F®)	←-----290 psig-----> [2000 kPa]						275 [1900]	245 [1700]	230 [1600]	215 [1475]	200 [1375]	185 [1275]	170 [1175]
	PTFE (TEFLON®)	←-----290 psig-----> [2000 kPa]						275 [1900]	245 [1700]	230 [1600]	215 [1475]	200 [1375]	185 [1275]	170 [1175]
	GRAPHITE (GRAFOIL®)	←-----290 psig-----> [2000 kPa]						275 [1900]	245 [1700]	230 [1600]	215 [1475]	200 [1375]	185 [1275]	170 [1175]
	NON-ASBESTOS (NOBESTOS®)		←-----290 psig-----> [2000 kPa]						275 [1900]	245 [1700]	230 [1600]	215 [1475]	200 [1375]	185 [1275]
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)