

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°
IRON	NBR (BUNA N)					←-----175 psig----->		150						
						[1200 kPa]		[1035]						
	NEOPRENE®					←-----175 psig----->		150	140					
						[1200 kPa]		[1035]	[975]					
	FKM (VITON®)					←-----175 psig----->		150	140	125				
						[1200 kPa]		[1035]	[975]	[850]				
	PCTFE (KEL-F®)					←-----175 psig----->		150	140	125				
					[1200 kPa]		[1035]	[975]	[850]					
PTFE (TEFLON®)					←-----175 psig----->		150	140	125					
					[1200 kPa]		[1035]	[975]	[850]					
GRAPHITE (GRAFOIL®)					←-----175 psig----->		150	140	125					
					[1200 kPa]		[1035]	[975]	[850]					
NON-ASBESTOS (NOBESTOS®)					←-----175 psig----->		150	140	125					
					[1200 kPa]		[1035]	[975]	[850]					
FEDERALLOY I ® (bronze)	NBR (BUNA N)					←-----225 psig----->		205						
						[1550 kPa]		[1400]						
	NEOPRENE®					←-----225 psig----->		205	190					
						[1550 kPa]		[1400]	[1300]					
	FKM (VITON®)					←-----225 psig----->		205	190	170	150			
						[1550 kPa]		[1400]	[1300]	[1175]	[1050]			
	PCTFE (KEL-F®)					←-----225 psig----->		205	190	170	170			
					[1550 kPa]		[1400]	[1300]	[1175]	[1175]				
PTFE (TEFLON®)					←-----225 psig----->		205	190	170	170				
					[1550 kPa]		[1400]	[1300]	[1175]	[1175]				
GRAPHITE (GRAFOIL®)					←-----225 psig----->		205	190	170	170				
					[1550 kPa]		[1400]	[1300]	[1175]	[1175]				
NON-ASBESTOS (NOBESTOS®)					←-----225 psig----->		205	190	170	170				
					[1550 kPa]		[1400]	[1300]	[1175]	[1175]				
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)