

application report

For: DESIGN RATINGS OF SH SERIES, ANSI 600# 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°	
CARBON STEEL	NBR (BUNA N)					<1480 psig > [10200 kPa]		1415 [9750]	1335 [9200]						
	NEOPRENE®					<1480 psig > [10200 kPa]		1415 [9750]	1335 [9200]	1315 [9060]					
	FKM (VITON®)					<1480 psig > [10200 kPa]		1415 [9750]	1335 [9200]	1315 [9060]	1290 [8890]	1270 [8750]			
	PCTFE (KEL-F®)					<1480 psig > [10200 kPa]		1415 [9750]	1335 [9200]	1315 [9060]	1290 [8890]	1270 [8750]			
	PTFE (TEFLON®)					<1480 psig > [10200 kPa]		1415 [9750]	1335 [9200]	1315 [9060]	1290 [8890]	1270 [8750]	1235 [8510]	1200 [8270]	
	GRAPHITE (GRAFOIL®)					<1480 psig > [10200 kPa]		1415 [9750]	1335 [9200]	1315 [9060]	1290 [8890]	1270 [8750]	1235 [8510]	1200 [8270]	
	NON-ASBESTOS (NOBESTOS®)					<1480 psig > [10200 kPa]		1415 [9750]	1335 [9200]	1315 [9060]	1290 [8890]	1270 [8750]	1235 [8510]	1200 [8270]	
316 STAINLESS STEEL	NBR (BUNA N)					<-----1440 psig-----> [9925 kPa]		1340 [9235]	1180 [8130]						
	NEOPRENE®					<-----1440 psig-----> [9925 kPa]		1340 [9235]	1180 [8130]	1120 [7715]					
	FKM (VITON®)					<1440 psig > [9925 kPa]		1340 [9235]	1180 [8130]	1120 [7715]	1075 [7410]	1030 [7100]			
	PCTFE (KEL-F®)					<-----1440 psig-----> [9925 kPa]		1340 [9235]	1180 [8130]	1120 [7715]	1075 [7410]	1030 [7100]			
	PTFE (TEFLON®)					<-----1440 psig-----> [9925 kPa]		1340 [9235]	1180 [8130]	1120 [7715]	1075 [7410]	1030 [7100]	990 [6825]	955 [6580]	
	GRAPHITE (GRAFOIL®)					<-----1440 psig-----> [9925 kPa]		1340 [9235]	1180 [8130]	1120 [7715]	1075 [7410]	1030 [7100]	990 [6825]	955 [6580]	
	NON-ASBESTOS (NOBESTOS®)					<-----1440 psig-----> [9925 kPa]		1340 [9235]	1180 [8130]	1120 [7715]	1075 [7410]	1030 [7100]	990 [6825]	955 [6580]	
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)