

# application report

For: DESIGN RATINGS OF DWF(X) & DWF(X)-F SERIES, ANSI 150# UNITS USING TEMPERED BOROSILICATE GLASS

MATERIALS OF CONSTRUCTION <sup>A</sup>	GASKET	PRESSURE at TEMPERATURE RATING (°F)												
		-300°	-150°	-120°	-65°	-20°	100°	150°	250°	300°	350°	400°	450°	500°
CARBON STEEL	NBR (BUNA N)					< 285 psig > [1975 kPa]	270 [1860]	245 [1700]						
	NEOPRENE®					< 285 psig > [1975 kPa]	270 [1860]	245 [1700]	230 [1600]					
	FKM (VITON®)					< 285 psig > [1975 kPa]	270 [1860]	245 [1700]	230 [1600]	215 [1475]	200 [1375]			
	PCTFE (KEL-F®)					< 285 psig > [1975 kPa]	270 [1860]	245 [1700]	230 [1600]	215 [1475]	200 [1375]			
	PTFE (TEFLON®)					< 285 psig > [1975 kPa]	270 [1860]	245 [1700]	230 [1600]	215 [1475]	200 [1375]	185 [1275]	170 [1175]	
	GRAPHITE (GRAFOIL®)					< 285 psig > [1975 kPa]	270 [1860]	245 [1700]	230 [1600]	215 [1475]	200 [1375]	185 [1275]	170 [1175]	
	NON-ASBESTOS (NOBESTOS®)					< 285 psig > [1975 kPa]	270 [1860]	245 [1700]	230 [1600]	215 [1475]	200 [1375]	185 [1275]	170 [1175]	
316 STAINLESS STEEL	NBR (BUNA N)					<-----275 psig-----> [1900 kPa]	260 [1800]	230 [1600]						
	NEOPRENE®					<-----275 psig-----> [1900 kPa]	260 [1800]	230 [1600]	215 [1475]					
	FKM (VITON®)					< 275 psig > [1900 kPa]	260 [1800]	230 [1600]	215 [1475]	205 [1400]	195 [1350]			
	PCTFE (KEL-F®)					<-----275 psig-----> [1900 kPa]	260 [1800]	230 [1600]	215 [1475]	205 [1400]	195 [1350]			
	PTFE (TEFLON®)					<-----275 psig-----> [1900 kPa]	260 [1800]	230 [1600]	215 [1475]	205 [1400]	195 [1350]	180 [1250]	170 [1175]	
	GRAPHITE (GRAFOIL®)					<-----275 psig-----> [1900 kPa]	260 [1800]	230 [1600]	215 [1475]	205 [1400]	195 [1350]	180 [1250]	170 [1175]	
	NON-ASBESTOS (NOBESTOS®)					<-----275 psig-----> [1900 kPa]	260 [1800]	230 [1600]	215 [1475]	205 [1400]	195 [1350]	180 [1250]	170 [1175]	
MATERIALS OF CONSTRUCTION <sup>A</sup>	GASKET	-188°	-101°	-84°	-54°	-29°	38°	66°	121°	149°	177°	204°	232°	260°
		PRESSURE at TEMPERATURE RATING (°C)												

<sup>A</sup> 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)