



Pressure/Temperature Relationships Hygienic Weir Diaphragm Valves

Rated Working Pressure (Manual Valves)

	Non-Shock Pressure (CWP)	Non-Shock Pressure (Maximum Temperature)
	-4° through 104° F (-20° through 40° C)	302° F (150° C)
1/4" - 2" DN8 - DN50	232 PSIG (16 bar)	120 PSIG (8.3 bar)
2-1/2" - 3" DN65 - DN80	159 PSIG (11 bar)	80 PSIG (5.5 bar)
4" DN100	145 PSIG (10 bar)	80 PSIG (5.5 bar)
6" DN150	101 PSIG (7 bar)	45 PSIG (3 bar)

*For automated valves - consult factory - many options available to fit the application.
Maximum temperature is dependant on diaphragm material selection.*

Diaphragm Material Temperature Ratings

Material	Material Grade	Temperature	
		Minimum	Maximum
EPDM	BE	-40° F (-40° C)	302° F (150° C)
EPDM	2E	-40° F (-40° C)	302° F (150° C)
MPTFE/EPDM	BK	-4° F (-20° C)	302° F (150° C)
MPTFE/EPDM	1KS	-4° F (-20° C)	302° F (150° C)
MPTFE/FKM	1PS	25° F (-4° C)	347° F (175° C)
FKM*	2V	25° F (-4° C)	302° F (150° C)

** FKM elastomer diaphragm for non-steam applications only*

Temperature min/max ratings above are intended as a guide only.

Actual service conditions will have an effect on maximum working temperatures.