

# WEIR TYPE PERFORMANCE DATA

## OPERATING LIMITS

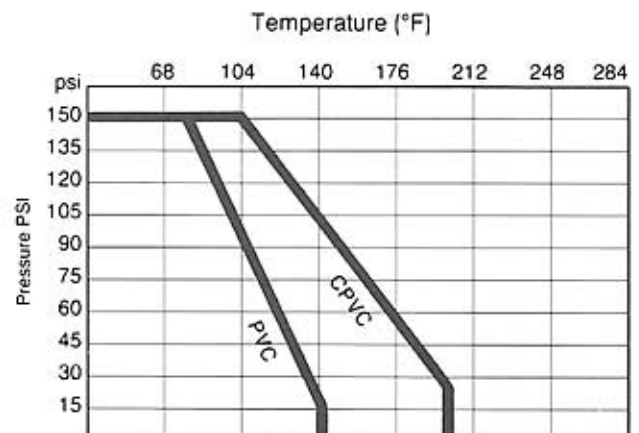
1. The table below shows the maximum permissible working pressure, within a temperature range of -50°F and +120°F, for the entire size range of Saunders Weir Diaphragm Valves.
2. For operating temperatures above 120°F, the permissible working pressure decreases as shown by the chart on the facing page. To find the maximum working pressure at the higher temperatures, select the pressure from the table below for the desired size and valve material. Then, find the corresponding

pressure line on the chart and plot that line until it intersects with the anticipated temperature. From the point of intersection, proceed horizontally to the edge of the chart and read the allowable working pressure at the anticipated temperature.

3. Refer to the diaphragm temperature limitation bar graphs to determine if the anticipated temperature is within the recommended operating range of the desired diaphragm and body material.

VALVE MAXIMUM WORKING PRESSURE, psi (at temperatures up to 120°F)															
Body Material	Valve Size/Maximum Pressure														
	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"	14"
Metallic Screwed	230	230	230	230	230	230	230	150	150						
Metals other than Cast Iron			230	230	230	230	230	150	150	150	150	100	70	60	50
Cast Iron Flanged			175	175	175	175	175	150	150	150	150	100	70	60	50
Rubber Lined				175	175	175	175	150	150	150	150	100	70	60	50
Plastic Lined				175	175	175	175	150	150	150	150	100	70	60	50
Glass and Halar Lined			150	150	150	125	100	100	100	75	75	75	70	60	50

VALVE MAXIMUM WORKING PRESSURE, psi (at temperatures up to 68°F)					
Body Material	Valve Size/Maximum Pressure				
	1/2"	3/4"	1"	1 1/2"	2"
PVC	150	150	150	150	150
CPVC	150	150	150	150	150



PVC 140°F

CPVC 200°F