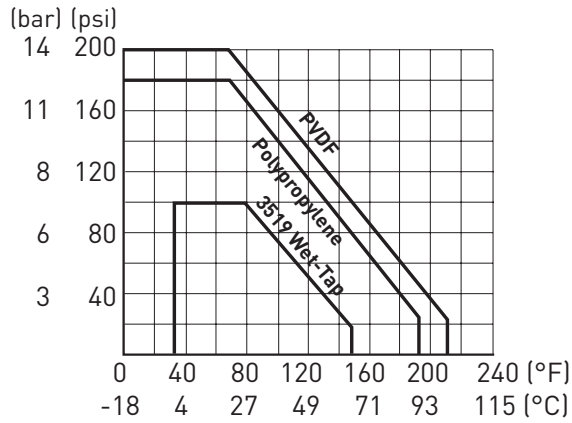
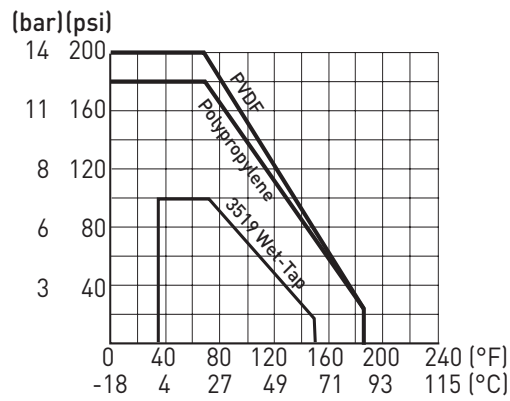


Operating Temperature/Pressure Graphs: Flow Sensors

Model 515

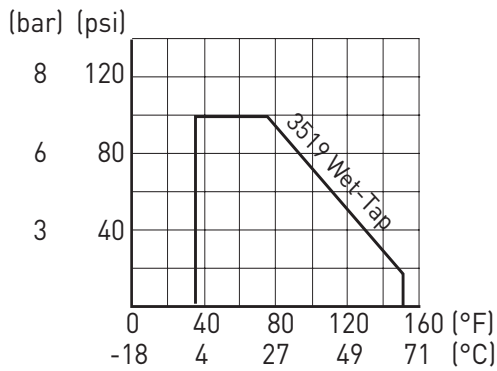


Model 2536 & 2537*

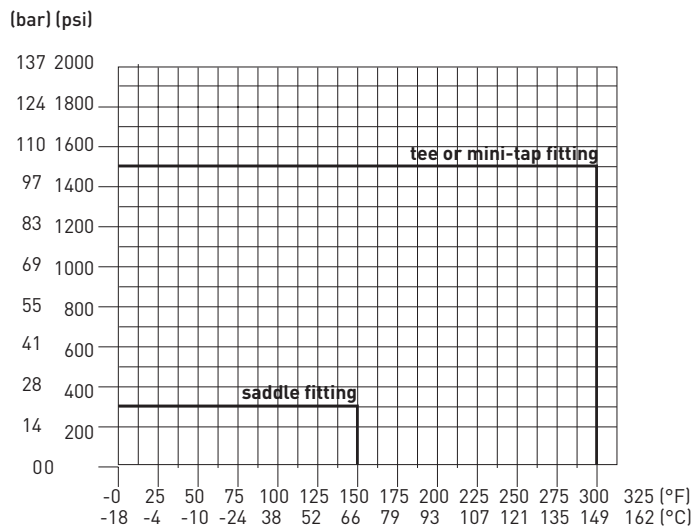


***2537 Only:** Graph applies to wetted materials (sensor) only. Maximum ambient temperature is 65°C.

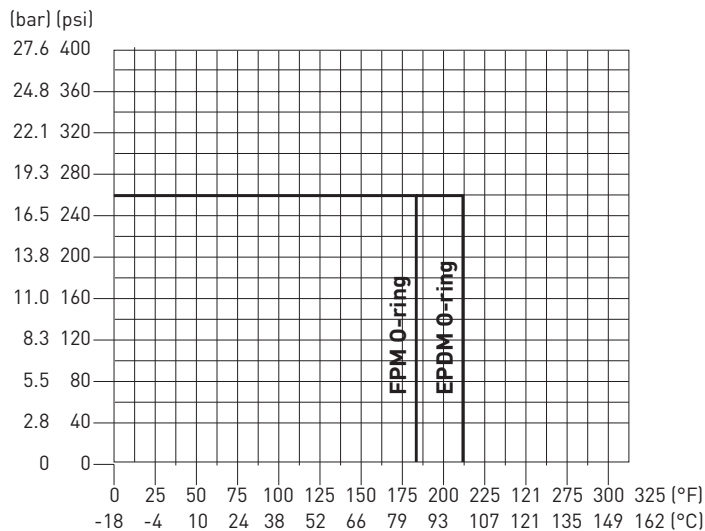
Model 3519 WetTap



Model 525

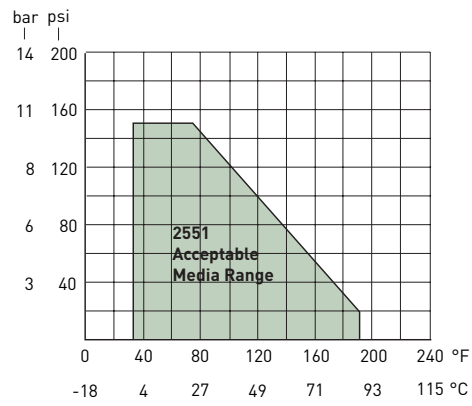


Model 2517 & 2540

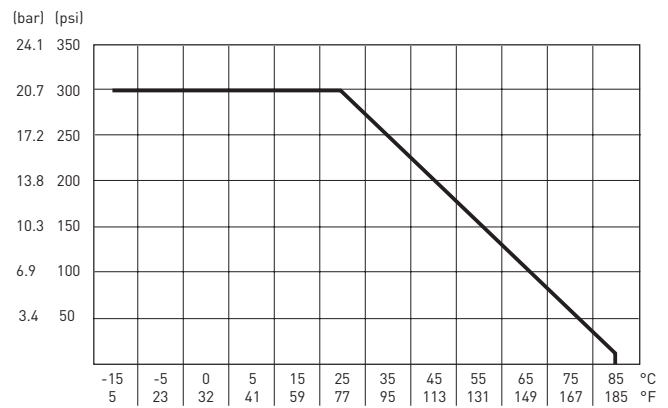


Operating Temperature/Pressure Graphs: Flow Sensors

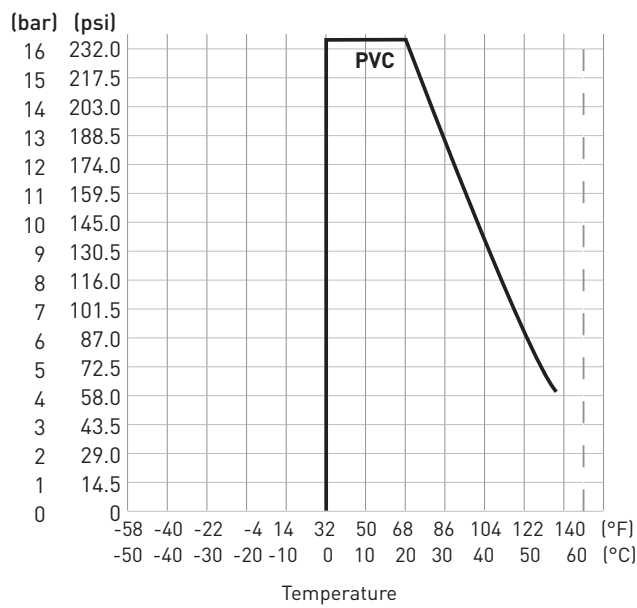
Model 2551



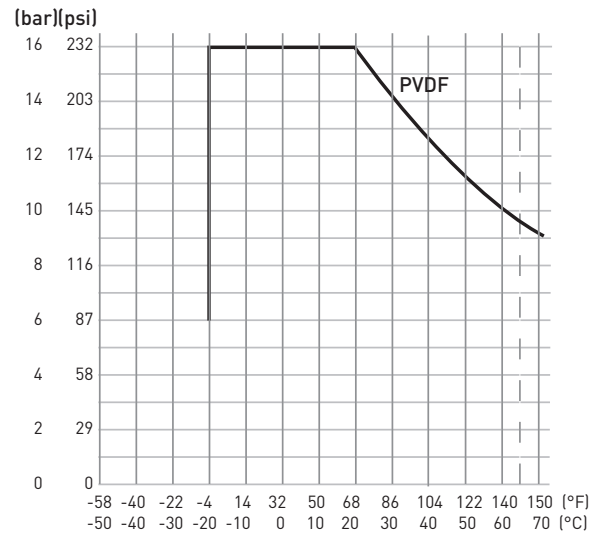
Model 2552



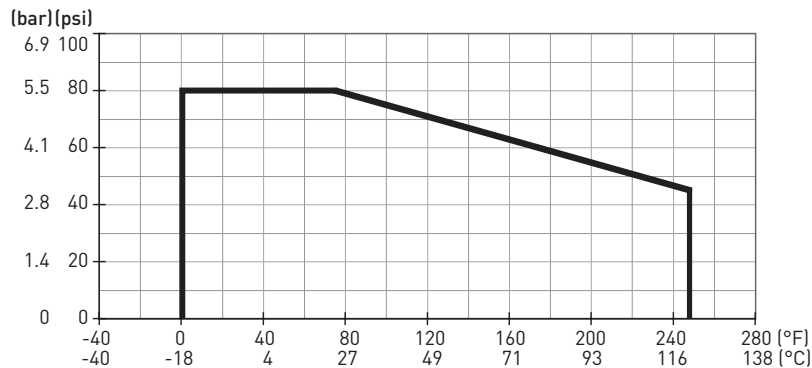
Model 7000/7001



Model 2100

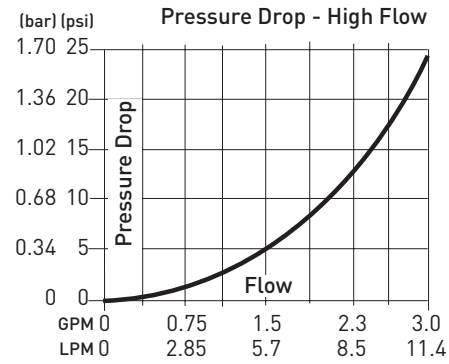


Model 2507

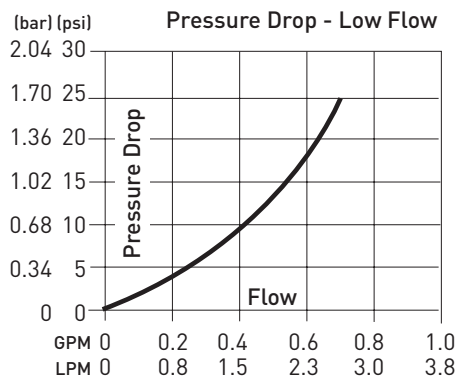
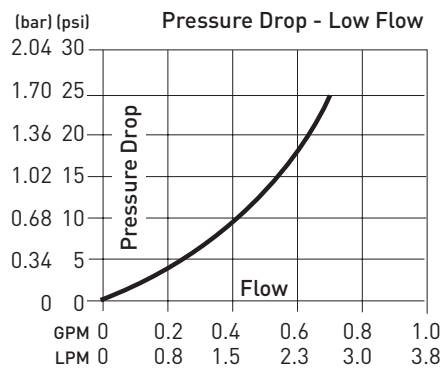
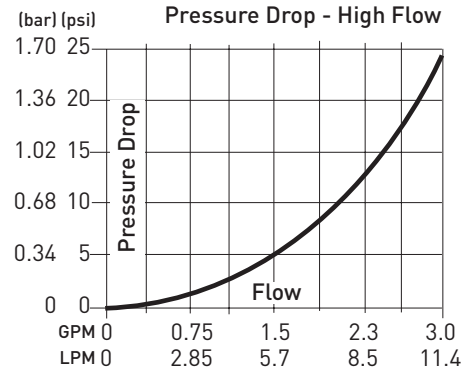


Pressure Drop Graphs: Flow Sensors

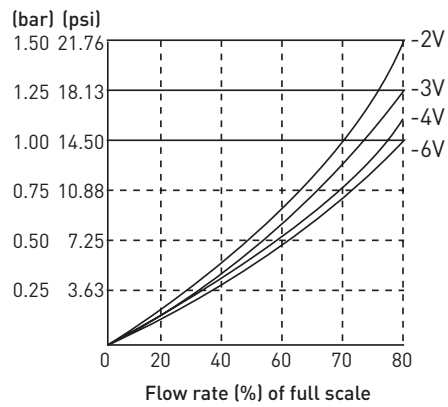
Model 2000



Model 2100



Model 2507



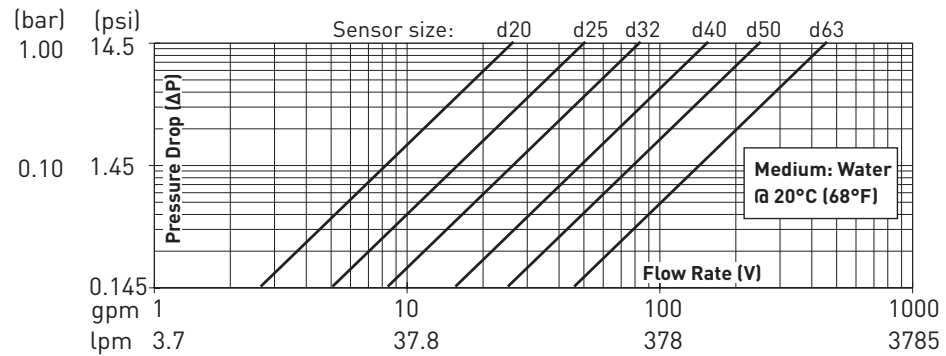
Backpressure Drop Graphs: Flow Sensors

Backpressure Calculation:
 Minimum downstream pipe backpressure levels (full pipes) are required to prevent cavitation within the sensor. The minimum back pressure is calculated by the following formula:

$$2.7 \times \Delta P + 1.3 \times P_v$$

ΔP = Pressure drop across sensor
 P_v = Liquid vapor pressure at operating temperature.

Model 7000-7001

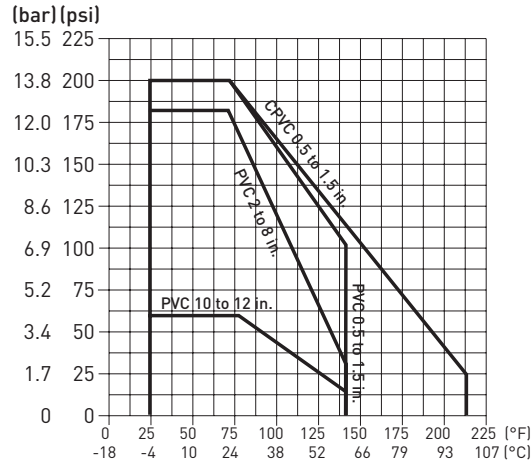


Liquid Vapor Pressures at Operation Temperatures

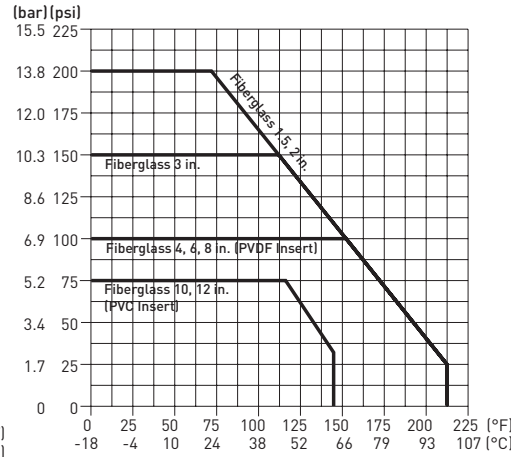
°C	-20	-10	0	10	20	25	30	40	50	65
°F	-4	14	32	50	68	77	86	104	122	149
Pv (bar)	0.001	0.003	0.006	0.012	0.023	0.32	0.042	0.074	0.123	0.25
Pv (psig)	0.014	0.038	0.088	0.178	0.338	0.458	0.614	1.067	1.784	3.626

Operating Temperature/Pressure Graphs: Flow Sensor and pH Electrode Fittings

PVC and CPVC Tees and Saddles



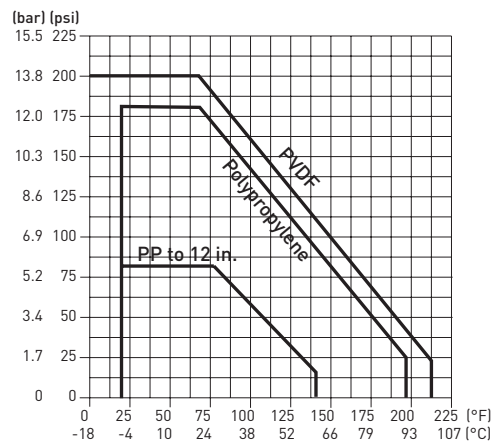
Fiberglass Tees and Saddles



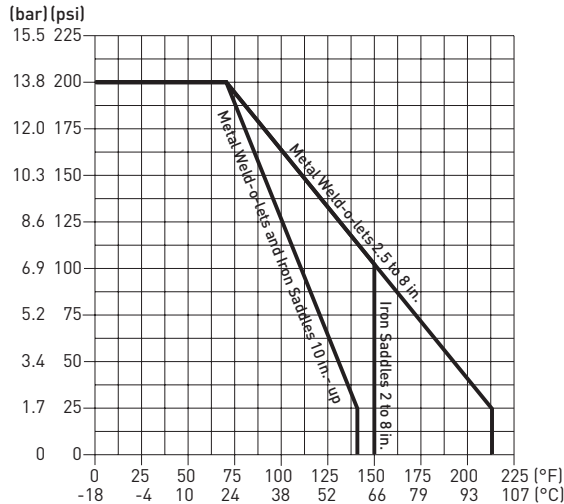
Note:

The pressure/temperature graphs are specifically for the Signet sensor. During system design the specifications of all components must be considered. In the case of a metal piping system, a plastic sensor will reduce the system specification. When using a PVDF sensor in a PVC piping system, the fitting will reduce the system specification.

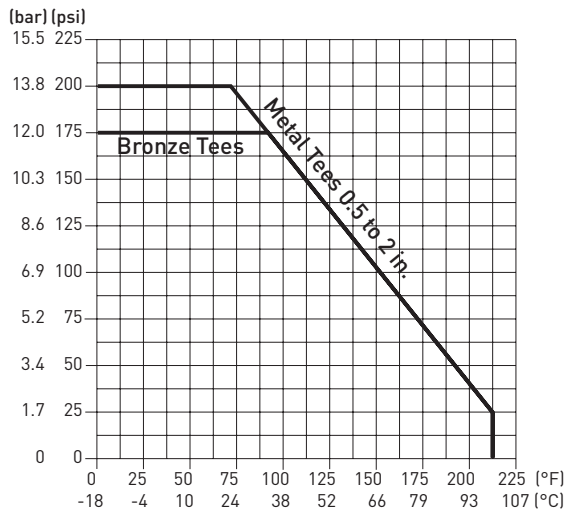
PP and PVDF Tees Saddles



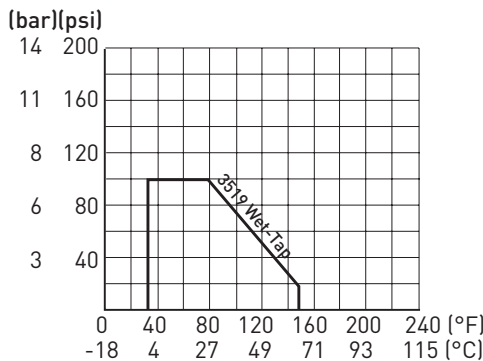
Metal Weld-o-lets and Saddle Fittings For 515, 2536 & 2537 Flow Sensor



Metal Tees

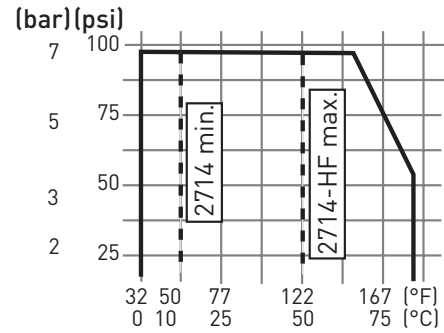


3519 Wet-Tap

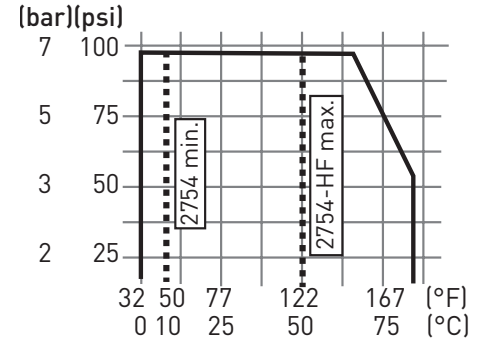


Operating Temperature/Pressure Graphs: pH/ORP Electrodes

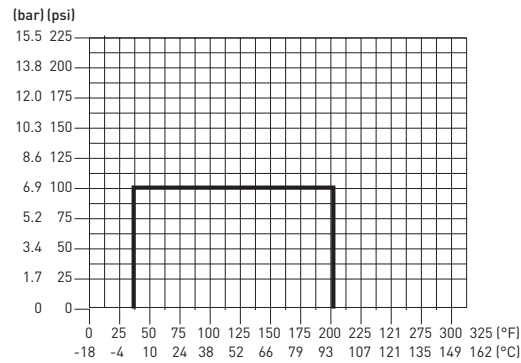
Model 2714-2717 & 2720



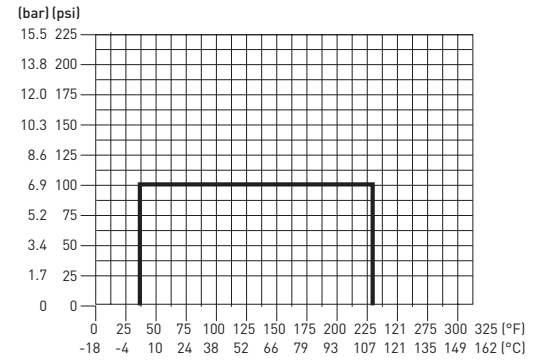
Model 2754-2757



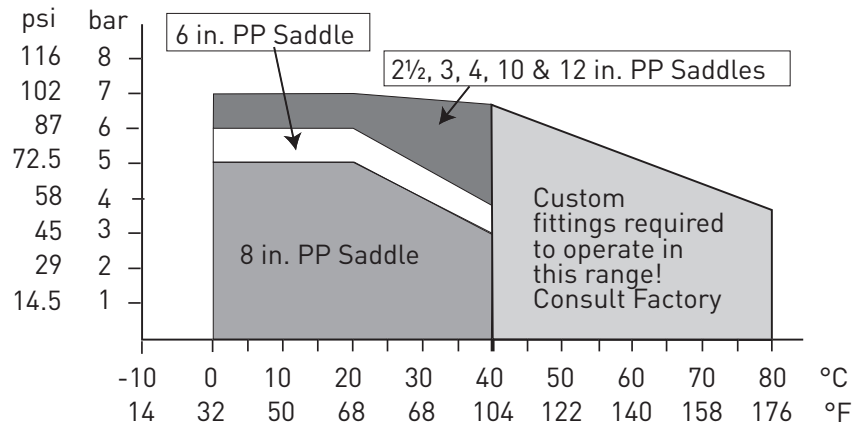
Models 2764-2767



Models 2774-2777

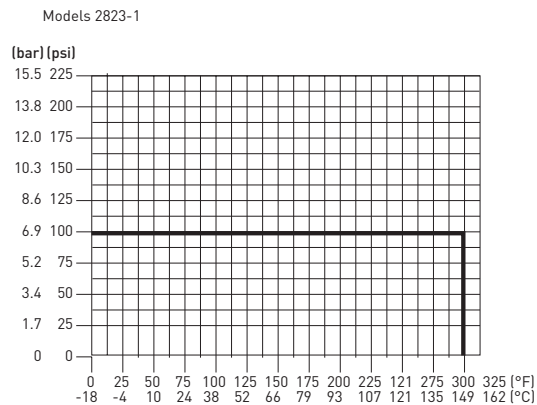
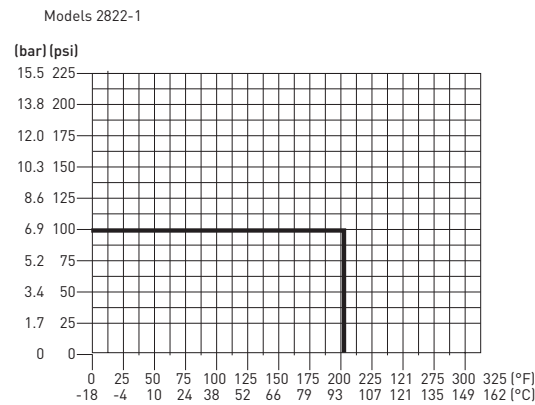
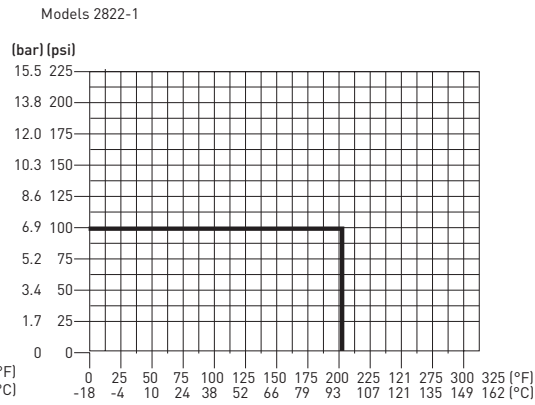
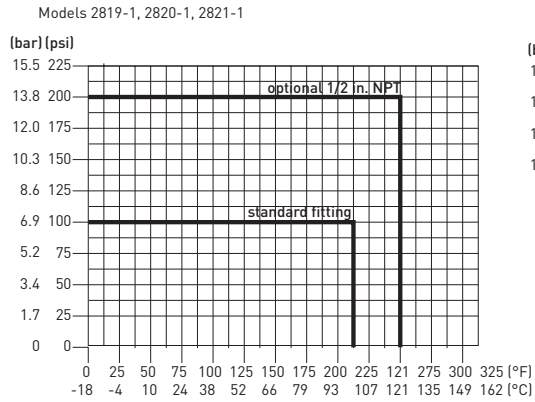


Model 3719

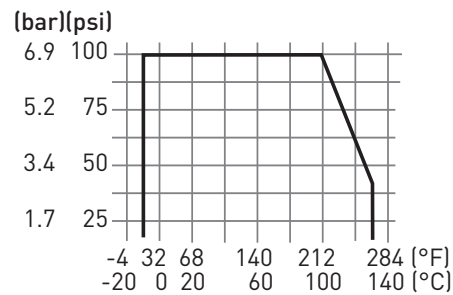


Operating Temperature/Pressure Graphs: Conductivity Electrodes

Models 2819-2823

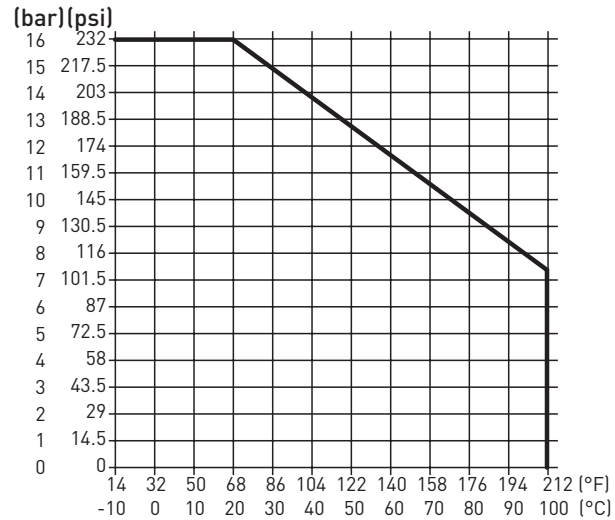


Models 2839-2842



Operating Temperature/Pressure Graphs: Temperature/Pressure Sensors

Model 2350



Model 2450

