

Installation & Operation Instructions for High Pressure Inlet Regulator (58091552)

Caution: The High Pressure Inlet Regulator must be installed before the 5000TOC Sensor if the inlet pressure is above 85 psig (5.8 bar). Do not exceed 85 psig on the outlet of the High Pressure Inlet Regulator.

Caution: If the process water is above 70°C, the Mettler-Toledo Thornton Heat Exchanger (p/n 58 079 511) must be installed before the High Pressure Inlet Regulator.

Caution: Use fittings and valves that are properly rated for your process conditions.

1. An isolation valve (not supplied) should be installed at a tap-off location on the process line.
2. Install the High Pressure Inlet Regulator downstream of the process isolation valve (see Figure 1, Sample Installation).

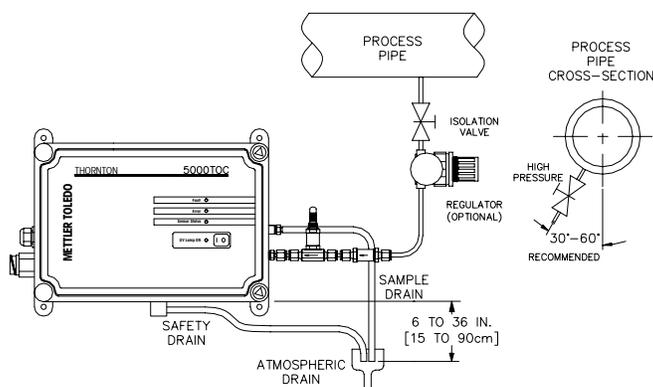


Figure 1 Sample Installation

3. Install the 5000TOC Sensor inlet tubing to the downstream connection of the High Pressure Inlet Regulator. Do not connect the inlet tubing to the 5000TOC Sensor at this time.
4. Slowly open the isolation valve and slowly turn the High Pressure Inlet Regulator knob clockwise to begin water flow. Thoroughly purge the inlet line with process water by running to drain for several minutes before connecting to the 5000TOC Sensor.
5. Close the isolation valve.
6. Connect the 5000TOC Sensor inlet tubing to the 5000TOC Sensor inlet filter.
7. Completely close the inlet needle valve on the 5000TOC by turning clockwise until closed.
8. Slowly open the isolation valve.
9. Slowly open the needle valve by turning counter-clockwise
10. Set 5000TOC flowrate by adjusting the needle valve and watching the LED's on the face of the 5000TOC (Refer to the 5000TOC Sensor Quick Start Instruction #84447 or the 5000TOC Sensor Instruction Manual #84445 to set the flow rate for the 5000TOC Sensor).
11. If the needle valve becomes fully open and you do not have all four LED's illuminated, then turn the needle valve knob clockwise until about half closed (about 5-6 turns).
12. Slowly turn the High Pressure Inlet Regulator knob clockwise until 4 LEDs are lit.

Mounting - See Swagelok "Instructions for Use" and "Pressure Regulators User's Guide" for mounting and other installation and operational information. **Caution:** Do not use the Mettler-Toledo Thornton Heat Exchanger (p/n 58 079 511) to support the optional High Pressure Inlet Regulator.