



P53 HEATED SAMPLE CONDITIONING

KEY FEATURES

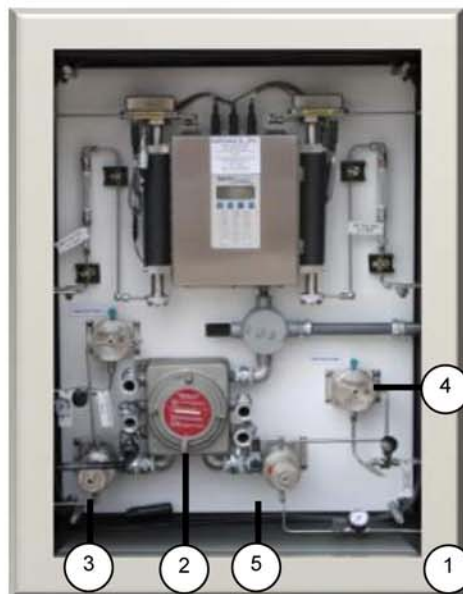
- Analytically Accurate design
- Patented technology utilizing existing power supplied by heat trace sample tubing
- Requires no external power or natural gas for proper operation
- Conforms to API 14.1 guidelines for hydrocarbon liquid removal and heat tracing
- Rated for Class 1, Div 1, Group D locations
- Remote mount w/ Pony® enclosure
- Integrated with SS500, SS2000 and SS3000 natural gas analyzers

The **P53 Heated Sample Conditioning System** ensures optimal performance of gas analyzers by delivering a heated sample through patented technology to the analyzer.

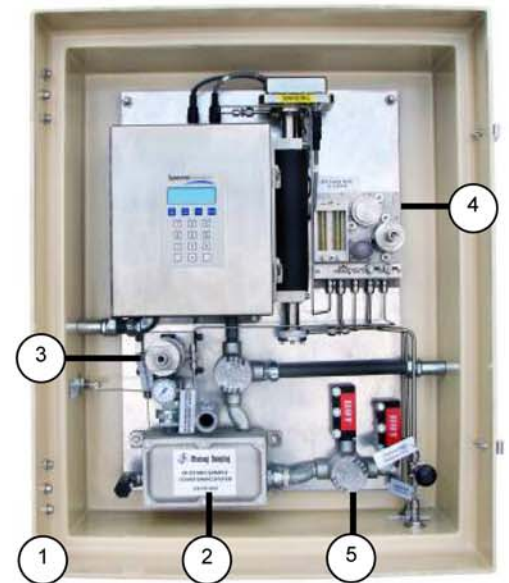
This avoids costly errors resulting from hydrocarbon dew point drop out by maintaining at least 30°F

above the expected hydrocarbon dew point.

The gas sample is heated inside of the regulator before and after the pressure is reduced eliminating hydrocarbon liquid condensation caused by the Joule Thomson effect during the pressure reduction.



SS3000 in P53 Heated Sample System Enclosure

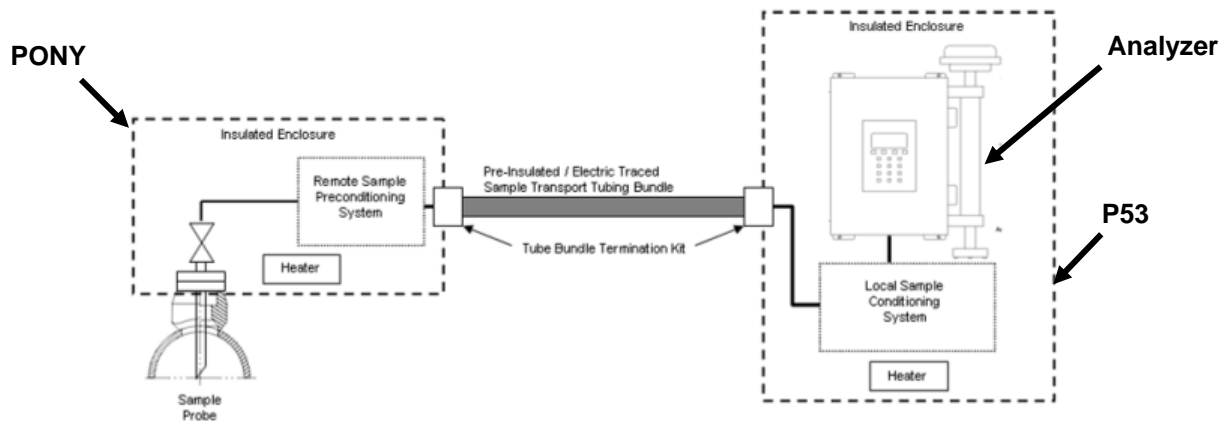


SS2000 in P53 Heated Sample System Enclosure

- 1 - Insulated Enclosure
- 2 - Temperature Controller
- 3 - Single or Multi-Stage Regulator
- 4 - Membrane Separator with Liquid Block
- 5 - Self-Limiting back Plate Block Heater

P53 Heated Sample Conditioning System

INSTALLATION DIAGRAM



PRODUCT SPECIFICATIONS

Max Allowable Operating Pressure	3750 psig (241 BAR) @ 60°F (16°C)
Regulator	Single-stage MHR or Multi-stage MJTR
Wetted Parts	316 Stainless Steel
Power	120 VAC/240 VAC/24 VDC
Cabinet Construction	Hot-pressed Glass Fiber Reinforced Polyester (GRP) or Stainless

STANDARD COMPONENTS

- | | |
|----------------------------------|---------------------------------|
| ▪ Pressure gauge after regulator | ▪ Relief valve port out |
| ▪ Door-mounted dial thermometer | ▪ Sample line test port |
| ▪ System purge port out | ▪ Moisture block drain port out |