

AEROSOL SAMPLE HEATER

Heater Accessory Compatible for Monitoring Critical Chemicals with STPC3+ (Model 9010-03-Plus)



Designed to heat aerosol flows containing corrosive gases. Aerosol conduit walls are heated to a feedback-controlled temperature and final gas temperature is monitored using a thermocouple positioned in the gas stream at the end of the heated conduit. Dilution gas is introduced immediately following the end of the heated conduit to prevent condensation of volatile components. After dilution, the aerosol can be sampled by external devices and the excess is directed to a waste vent. Required accessory for analysis of low volatility process chemicals (e.g. sulfuric acid, organics) with STPC3 Plus.

Specifications

Power: 120W, 100-240 VAC

Dimensions/Weight: 8.5" x 9.0" x 8.5" LxWxH not including protrusions from connectors, louvers, or tubing

Ambient temperature range: 15-35°C (59°-95°F)

Supply Gas: Compressed air/nitrogen, 1/4" Swagelok tube fitting, 30-100 psig (200-620 kPa)

Purity: ISO 8573 Class 2 or better

Dilution gas flow: 0-10 lpm controlled by Mass Flow Controller

Sample gas flow: 0.1-0.7 lpm

Sample gas connections: -

STPC3 configuration: Inlet: 1/4" tube, Outlet: 1/4" Swagelok® Tube Fitting

Benchtop configuration: Inlet/Outlet 1/4" Swagelok® Tube fitting

Vent: 3/8" Swagelok® Tube fitting

Heater temperature setpoint range: 30°C-260°C

Aerosol Conduit Materials: Proprietary, compatible materials

Communication: RJ45: Modbus TCP/IP and OPC/UA, USB Type A; Status Data Download, BNC: Safety interlock

Specifications subject to change without notice.

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