Stand-Alone Humidifier

This instrument is ideal for independent control of additonal gas dew point

Based on a proven humidifier design, this system is an excellent choice for stable and accurate dew point control

Integrated Heated Gas Transfer Lines in all Stainless Steel Construction

Prevention of contamination in the main test system plumbing

Automated Water Fill

The Stand-Alone Humidifier features

- Humidification of another gas supply
- Ideal for gas mixing experiments including reformate simulation and contaminant / poison studies
- Ideal for use with gases that may contaminate the fuel cell test system
- Integrated with FuelCell® and FlowCell® software for user-friendly computer-controlled operation
- Designed for flows up to 5 SLPM
- Manual or Automatic water filling
- Stainless steel humidifier with integrated heated & insulated flexible Swagelok gas transfer line
- Requires mass flow controller

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SPECIFICATIONS: Stand-Alone Humidifier

Properties:

Humidifier	316L SS, 360 W heater, ¼" Swagelok® fittings, heated & insulated gas transfer line
Temperature Ranges	Ambient to 99 °C; Optional: 120 °C
Water Fill Method	Manual or Automatic (requires pressurized water feed)
Flow Rate	Up to 5 SLPM (mass flow controller not included)
Software controlled when used with Scribner test systems	
Alarms	Low water alarm (1)
Backpressure Control	Up to 0 -45 PSIG with back pressure accessory (not included)
Temperature Controllers	
Set and Report Accuracy	±0.25% of span, ±1 least significant digit
Sensor Type	Thermocouple, Type T (Type K optional)
Environment	
Operating Temperature	5 to 35 °C
Power Source	120V, 50-60Hz, 10A (Export model 220-240V, 50-60Hz, 5A)
Enclousure Type	Single bench top enclosure
Size and Weight	17" H x 11" W x 13" D (+ 11" for heated gas lines); 22 lb
	44 cm x 28 cm x 34 cm (+ 28 cm); 10 kg
Specifications given for 25 °C ambient temperature unless otherwise noted.	