

751H



Model 751H Portable High Performance Zero Air System

The Model 751H is a portable, fully self-contained source of high purity zero air for dilution calibrators. It is ideal for use with sensitive analyzers in ambient background and trace level applications. Packaged in a wheeled, high density plastic case, the Model 751H provides ultra-high purity output with a warm-up time of 30 minutes.

The 751H includes a dew point sensor, a small, powerful pump, scrubbers to remove SO₂, NO, NO₂, O₃, NH₃ and H₂S, plus high performance scrubbers to remove CO and Hydrocarbons. The regenerative heatless dryer removes water and produces output with a dew point of -20°C (up to 10 SLPM flow rate).

The 751H features tank-less operation for real-time pressurized output without "pulsing." A microcontroller cycles the regenerative dryer and pressurized drain and features a short cycle interval of 1 minute for high humidity applications.

- ▶▶ Rugged traveling case with wheels and retractable handle
- ▶▶ Dew point indicator
- ▶▶ Long life scrubbers for SO₂, NO, NO₂, O₃, NH₃ and H₂S
- ▶▶ High Performance CO/Hydrocarbon scrubber
- ▶▶ Regenerative, heatless dryer for maintenance-free water removal
- ▶▶ Automatic water drain
- ▶▶ Once/year maintenance interval
- ▶▶ Two-year warranty

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Specifications

General

Output:	10 SLPM at 30 psig
Max Delivery Pressure:	30 psig
Dew Point:	Less than -20°C
Dryer:	Regenerative heatless with lifetime of greater than 5 years
Output Concentration:	SO ₂ < 0.025 ppb H ₂ S < 0.025 ppb NO < 0.025 ppb NO ₂ < 0.025 ppb NH ₃ < 0.025 ppb O ₃ < 0.3 ppb CO < 10 ppb HC < 0.25 ppb
Compressor:	Single-cylinder, internal long-life, oil-less piston pump

Electrical Specifications

Power Requirements:	110V-120V, 60Hz (320W) 220V-240V, 50Hz (425W)
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Physical Specifications

Operating Temperature Range:	5 - 40°C
Dimensions (HxWxD):	9" x 22" x 13.8" (229 x 559 x 351 mm)
Weight:	47 lbs (21.3 kg)

How to Order

Model 751H includes:

- ☐ Two year warranty
- ☐ Internal Pump
- ☐ Dew point sensor
- ☐ Long-life scrubbers for SO₂, NO, NO₂, O₃, NH₃ & H₂S
- ☐ High Performance CO/ Hydrocarbon scrubber
- ☐ Regenerative, heatless dryer for maintenance-free water removal
- ☐ Automatic water drain
- ☐ Select AC input voltage
 - ☐ 110V-120V, 60Hz
 - ☐ 220V-240V, 50Hz

Optional:

- ☐ Expendables Kit

The values expressed above are in accordance with EPA definitions.
All error specifications are based on constant conditions.
Specifications subject to change without notice.

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