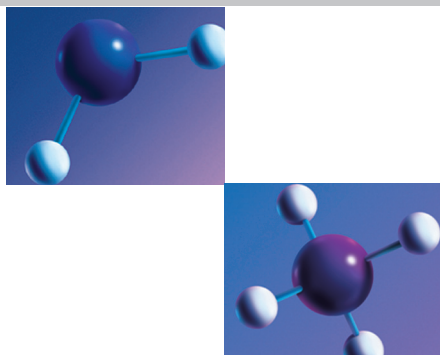


Model 1160 Zero Air Supply

A modular tool for laboratories calibration services where pollutant free air is required



Key Features / Benefits

- The ability to select one, two, or three scrubbers with customer option of scrubber materials.
- A choice of dryer types or no dryer at all.
- With or without CO and Hydrocarbon reactor.
- Temperature alarms for system applications
- 20 liter per minute supply of air

The Model 1160 is a source of ultra high purity zero air for analytical and process instrument needs. This modular unit can be configured for the removal of a variety of pollutant gases. Up to 20 liters per minute of clean dry air can be supplied at pressures up to 60 psig via a self-contained compressor. This device can be used for the calibration of environmental instrumentation or as an air supply in analytical laboratories.

The air supply can be configured to operate with or without an internal compressor. If dry air is required, two types of dryers are available; a membrane dryer which will supply the air at a nominal dew point

of +5° C or a regenerative or heatless dryer with an output of - 40° C if the internal compressor is chosen, one of these two dryers should also be selected. When the removal of CO or Hydrocarbons is desired a catalytic converter is available and for scrubbing of most other pollutants chemical scrubbers can be installed. A choice of one, two or three scrubber cartridges can be chosen. These scrubber cartridges can be filled with a variety of materials to suit the application, including; Charcoal, Silica Gel or other absorbent, Purefil™, Soda Lime, Mole Sieve, and more.

To maintain optimal product performance, you need immediate access to experts worldwide, as well as priority status when your air quality equipment needs repair or replacement. Thermo Scientific offers comprehensive, flexible support solutions for all phases of the product lifecycle. Through predictable, fixed-cost pricing, Thermo services help protect the return on investment (ROI) and total cost of ownership of your Thermo Scientific air quality products.

Model 1160 Zero Air Supply Specifications

Technical Data

Pollutant Concentration Data:

	Sulfur Dioxide (SO ₂)	< 0.1 ppb
	Nitrogen Oxide (NO)	< 0.1 ppb
	Nitrogen Dioxide (NO ₂)	< 0.1 ppb
	Ozone (O ₃)	< 0.4 ppb
	Hydrogen Sulfide (H ₂ S)	< 0.1 ppb
	Ammonia (NH ₃)	< 0.1 ppb
	Carbon Monoxide (CO) Optional	< 0.02 ppm
	Hydrocarbons (H _x C _x)	< 0.005 ppm
	Other compounds on request	
Flow Rate	1 - 20 lpm	
Pressure	10 - 60 PSIG	
Dew point	Membrane Dryer: -10°C Heatless Dryer: -40°C	
Operating Temperature	-10 ... 40°C	
Power Supply	100 to 240V, 50 to 60 Hz (+/- 10%) Instrument: 30 Watts Pump: 100 Watts	
Dimensions	Width: 483 mm (19") Height: 315 mm (12.4") (7 HU) Depth: 400 mm (15.75")	
Weight	25 kg (approximately)	

Ordering Information

Model 1160-_____

Voltage Selection	A = 120 Vac, 60 Hz (North America and Equivalent) B = 220-240 Vac, 50 Hz (Europe) C = 220-240 Vac, 50 Hz (United Kingdom) D = 240 Vac, 60 Hz (North America and Equivalent) J = 100 Vac, 50/60 Hz (Japan)
Compressor	N = No Internal Compressor H = High Volumetric Flow Compressor
Air Dryer	N = No Internal Dryer (Available with no compressor option only) P = + 5° C Permeation (Membrane) Dryer R = - 40° C Regenerative (Heatless) Dryer
Air Purifiers	1 = Single Stage Scrubber 2 = Dual Stage Scrubber 3 = Three Stage Scrubber REFER TO THE OPTION SELECTION FOR SCRUBBER MEDIA.
CO/VOC Handling	N = No Catalytic Converter C = Catalytic Converter



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