

Model 1001

Zero Air Generator

The Model 1001 Zero Air Source is designed to meet the requirements of clean, dry air for Multi-Gas Dilution Calibrators, reference air for Ozone Primary Standards, Purge air for permeation ovens, supply air for air test chambers and pollutant free air for other laboratory or environmental applications.



The Model 1001 is equipped with dual coalescing filters and a permeation drier; moisture removal is enabled automatically using adjustable control circuitry or manual purging from the front panel. Additionally, the air source can be controlled by all Sabio calibrators via contact closure or on demand when an optional internal pressure switch is installed.

Air pollutants are removed using reusable dual rear mounted scrubber canisters for NO, NO₂, O₃, SO₂, H₂S. Other pollutants such as carbon monoxide (CO) or hydrocarbons (HC) can be removed with an internal oxidizer. Both types of internal oxidizers come equipped with front panel mounted temperature controllers which monitor and control the temperature for optimum performance.

Optional items like Dew Point, clear media canisters, pressure switch, Regenerative Dryer, and Adjustable flow meters make the Model 1001 a flexible and reliable choice for a host of applications.

Specifications

Specifications subject to change without notice

Air Quality	Standard Unit	NOx, NO, NO2, O3, SO2, H2S, < 0.025 ppb
	Standard Unit with optional CO Oxidizer	CO < 10 ppb
	Standard Unit with optional HC/CO Oxidizer	CO < 0.10 ppb HC < 20 ppb
Mechanical	Dimensions	8.75 (22.2 cm) H x 16.2 (41.2 cm) W x 22.25 (56.5 cm) D
	Average Weight	55-65lbs. (25-30kg.)
Electrical	Standard	120 VAC 60 Hz, 470 VA operation
	Optional	240 VAC, 50 Hz, 340 VA operation
Standard Features	Standard 22 SLPM at 30 psig air delivery	
	3.4 liter surge/condensate tank	
	Dew Point -20°C up to 15 slpm	
	Condensate/purge valve that operates both automatically and manually to drain condensate	
	Front panel mounted pressure gauge	
	Front panel mounted adjustable pressure regulator	
	Front panel mounted purge switch	
	Automatic control via contact control or a switched low voltage DC power source	
	Internal moisture removal system	
	Media canisters for removal of NO, NO2, SO2 ,H2S & O3	
	Long-life brushless, double headed, oil-free compressor	
	Quiet operation	
Optional Features	Internal or external CO catalytic oxidizer	
	Internal HC catalytic oxidizer	
	Internal pressure switch for on-demand pump control	
	Output flow meter	
	Rack-mount kit	
	Dew Point Indicator with LED Indicators	
	Trace Level Scrubbers, clear view	



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