

Model 1001C Zero Air Source

The Model 1001C Zero Air Source is designed to meet the requirements for clean-dry air when used by a dilution calibrator, purge air for permeation tube ovens, supply air for test chambers, and pollutant free air for other laboratory or environmental applications.



The 1001C offers an option for communication connectivity to the already proven performance and longevity of the Sabio Model 1001 for remote monitoring. Also offered as an option to the 1001C enhanced pneumatic design is the "self healing" feature that monitors the unit's moisture levels and intuitively initiates the dryers without being prompted by the user.

Equipped with dual coalescent 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 automatically by a dilution calibrator, remotely by contact closure, or when installed on demand with an internal pressure sensor.

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

Specifications

Specifications subject to change without notice

Air Quality	Standard Unit	NOx, NO, NO2, O3, SO2, H2S, < 0.025 ppb
	Standard Unit with CO Oxidizer	CO < 10 ppb
	Standard Unit with HC/CO Oxidizer	CO < 0.10 ppb HC < 0.20 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	55lbs.(25kg.) Standard unit 65lbs. (30kg.) With HC Option
Electrical	Standard	120 VAC 60 Hz, 470 VA operation
	Optional	240 VAC, 50 Hz, 340 VA operation
Standard Features	Standard 30 SLPM at 35 psig air delivery (requires high flow filter)	
	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	
	Clear Media canisters for removal of NOx, 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 and monitoring output pressure	
	Output flow meter	
	Rack-mount kit	
	Dew Point Indicator with LED Indicators	
	Trace Level Scrubbers, clear view	
	CO2 scrubber	
	Regenerative heatless dryer	
	Ethernet Connectivity	



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