Sabio Environmental *ambient pollution analyzers and calibration systems*

Model 2020-EXP
Zero Air Source

The Model 2020-EXP is a portable source for clean, dry air designed to meet a wide range of requirements for the environmental industry, including trace level applications. From supplying zero air for calibration systems to purge air for permeation ovens, the small package size and weight make the Model 2020-EXP the preferred choice for the field and audit personnel and operating environments with limited bench space.



The Model 2020-EXP uses an internal permeation drying system for moisture removal and is coupled with filter canisters for scrubbing NOx, NO, NO2, O3, SO2, and H2S. Optional features such as the internal carbon monoxide (CO) oxidizer, or the internal hydrocarbon (HC/CO) oxidizer, further the Model 2020-EXP's clean air capabilities.

Simple straight-forward controls allow local operation from the front panel, with the option to set the purge frequency and duration for optimum performance. Additionally, the unit automatically drains moisture and pressurized air once powered down.

The Model 2020-EXP is a split chassis design that has a removable Control/Cleanup module and a separate removable pump module that can be used together or independently. The split design allows overall weight of the unit to be distributed for users to easily carry inside of shelters or locations that are difficult to access. All modules can be stored for shipment inside of the provided transport case that has a telescopic handle and wheels.

Remote activation is achieved using the air source control port and cable in conjunction with any Sabio calibrator. This exclusive feature allows the user to start and stop the unit as needed to avoid unnecessary run times, increasing pump life and decreasing service intervals.

Specifications

Specifications subject to change without notice

Air Quality	Standard Unit: NOx, NO, NO2, SO2, H2S, O3	< 0.025ppb
	Standard unit with optional CO Oxidizer	< 10 ppb
	Standard Unit with optional HC/CO Oxidizer	CO < 0.10 ppb HC < 0.20 ppb
Compressor	Internal, Dual-piston, oil-less, long life pump	
Mechanical	11.00" x 17.0" x 21.0" (27.9cm x 43.1cm x 53.3cm	
Weight	30lbs. standard unit 45lbs. w/CO Oxidizer option 52lbs. with HC oxidizer option	
Electrical	110V-120V, 60 Hz or 220V-240V, 50/60 Hz	
Dewpoint	-20ºC up to 15 SLPM/-10ºC above 15 SLPM	
Operating Temperature	5 - 40ºC	
Standard Warranty	Two year	
Standard Features	Output 30 SLPM at 35 psig (requires high flow filter)	
	Condensate/purge valve that operates both automatically and manually to drain	
	Front panel pressure gauge	
	Front panel adjustable pressure gauge	
	Front panel purge switch	
	Automatic control via contact control or a switched low voltage DC power source	
	Internal permeation dryer	
	Clear View Media canisters for removal of NO, NOx, NO2, SO2, H2S, NH3, & O3	
Optional Features	Internal or external CO oxidizer	
	Internal or external HC oxidizer	
	Internal pressure sensors for on-demand pump control and for monitoring output pressure	
	Dew point sensor with LED indicators	
	Trace level scrubbers	
	CO2 scrubber	
	Regenerative heatless dryer	
	Ethernet Connectivity	
Communication	1 x Ethernet: 10/100Base-T (optional) 1 x RS232 (115,200 baud rate) Modbus or ML protocol (optional)	

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