NANO ZA

High-Purity Zero Air

Leman Instruments

DESCRIPTION:

LEMAN Instruments designed the NANO ZA product line of High-Purity Zero Air to fit almost any type of application that needs an independent supply of pure air close to the consumer, in an elegant, compact laboratory casing that can be stacked into our NANO TOWER or used independently.

Compressed air is first filtered from particulates to 5µm and dried by a static dryer. Based on the field-proven Pressure Swing Adsorption (Smart PSA) technology, impurities are extracted from a set of filters filled with different molecular absorbents. After extracting, ZA passes through a buffer and is filtered of remaining particulates down to 0.1µm; finally, the output pressure is regulated manually from 0.5 to 5 bar.

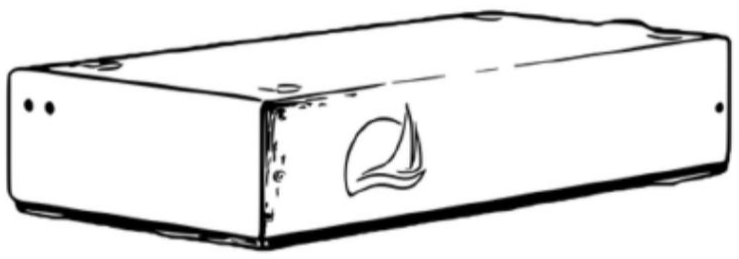
Models with an outflow of up to 2.5 NL/min air are available.

The NANO ZA concept is to be touched one time once the installation is done, and then this is it. There are no consumables or short-term maintenance to do. It is a simple and extremely robust ZA Generator. It can be stacked into the NANO TOWER combined gas generator solution or used totally independently. With two LEDs, the user will have the information if the system works or not.



APPLICATION TYPES:

- Combustion gas for GC
- Zero gas for AQM calibrators
- Carrier gas for permeation tube systems



FEATURES:

- Reduces in operation costs. Return on investment within 12 months.
- Improves resolution and detection limit. Provides high pressure stability.
- UHP-Air is available 24/7 at constant purity. No contamination.
- Independent source of Ultra High Purity Air. Needs only a dry, oil-free compressed air supply and electricity. Can be easily moved around the laboratory.
- Low noise < 40dB(A).
- Long life.
- Extremely robust and easily transportable.
- No handling, no storage, no cylinder rental fee, no yearly consumables.



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MODELS	NANO ZA
ZA max Outflow @1013 HPA / 20°C	NANO ZA: 2.5 LPM
Output AIR purity	>99.9995% ZA · <10ppm H2O · <1ppm HC · <1ppm CO and CH4 · particulates <0.01µm
Dew Point	-50°C
Outlet Pressure	0.5 to 5 bar (72 psig)
Dimensions cm / in	L: 43cm / l: 23cm / H: 10cm (16.9in / 9in / 3.9in)
Net weight (kg/lbs)	8kg / 17lbs

Compressed AIR	Oil-free, dried compressed air; according to DIN ISO 8573-1 class 3
ZA outlet fitting	Stainless steel 1/8" compression
Power supply	Automatic switching from 90 to 260 VAC, 47 to 63 Hz
Power consumption (max at full flow)	Maximum 150W
Ambient temperature	+5 to +35°C, non-condensing