WSA

Wall Slim Air Generator

Leman Instruments

DESCRIPTION:

Leman Instruments designed the WSA, a high-purity CO2-free Air module to fit almost any application within its specifications. Simple and close to the consumer, it is designed for special integrations or wall-mounted installation.

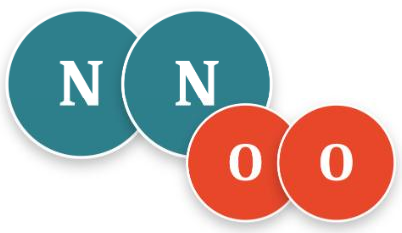
Compressed air, supplied from central distribution or an external air compressor, is first filtered with our Smart Pressure Swing Adsorption (Smart PSA) technology, removing CO2, moisture, and CH4. After the purification process, the air is filtered of remaining particulates down to 0.01µm, and pressure is regulated to the set value, between 0.5 and 5 bar.

This system has been developed to be integrated as an OEM component into existing instruments or third-party equipment, or installed directly on a line of dry air. Its slim, wall-mountable format lets manufacturers embed it inside their own enclosure without redesigning the gas supply chain.



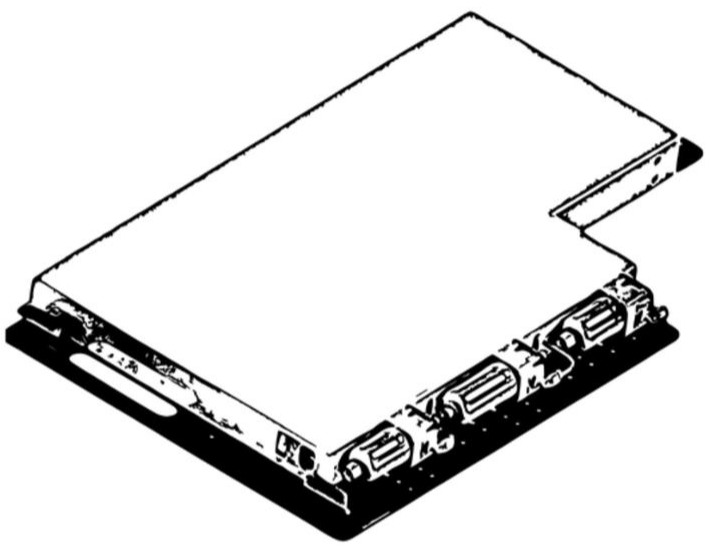
APPLICATION TYPES:

- Purge gas for FTIR spectrometers
- Carrier and burning gas for TOC analyzers
- Zero-air source for emissions and GC calibration



FEATURES:

- No maintenance. Extremely affordable.
- CO2-free air available 24/7, improving resolution and detection limit.
- Independent source of air. Needs only dry, oil-free compressed air and electricity.
- No handling, no storage, no cylinder rental fee.
- Can be moved or placed differently on a line at any time.
- Vertical, slim, no-heating-parts integration for space-saving.



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MODELS	WSA
Max AIR Outflow @1013 / 20°C	2 L/min
AIR purity	<1ppm CO2 · <2ppm CH4 · particulates <0.01µm
Dew point	-60°C
Outlet Pressure	From 0.5 to 5 bar (7 to 72 psig)
Dimensions cm / in	L: 70.5cm / l: 41.5cm / H: 4.5cm (27.5in / 16.1in / 1.5in)
Net weight (kg/lbs)	5kg / 11lbs

Air quality	Oil-free, dried compressed air; according to DIN ISO 8573-1 Class 3
Air pressure	Minimum 1.5 bar (20 psig) · maximum 10 bar (145 psig)
Manual control	Electronic regulation of pressure
Input & Output fittings	Quick Connect 6mm input · Swagelok 4mm output
Power supply	Automatic switching from 90 to 260 VAC, 47 to 63 Hz
Power consumption	Maximum 100W
Ambient Temperature	+5 to +35°C