WSN2

Wall Slim Nitrogen Generator

Leman Instruments

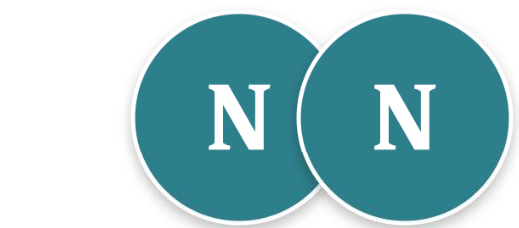
DESCRIPTION:

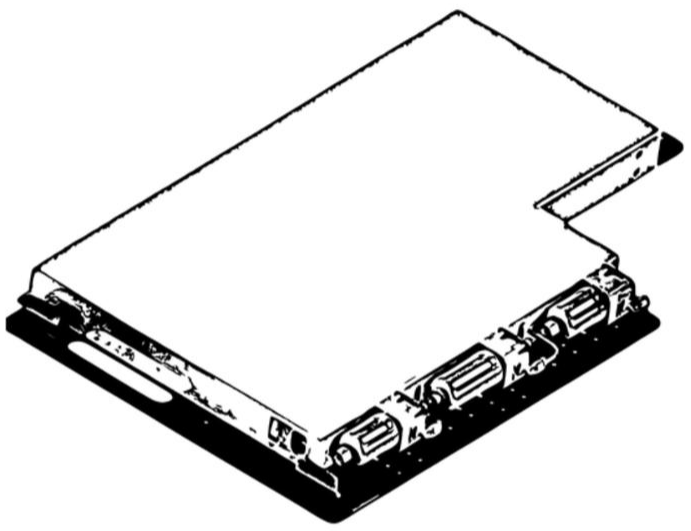
Leman Instruments designed the WSN2, a high-purity Nitrogen module to fit almost any application within its specifications. Simple and close to the consumer, it is mostly designed for special integrations or wall-mounted installation.

Compressed air, supplied from central distribution or an external air compressor, is first filtered with our Smart Pressure Swing Adsorption (Smart PSA) technology, removing O2, moisture, and CH4. After the purification process, N2 is filtered of remaining particulates down to 0.1µm, and pressure is regulated electronically to the set value, between 0.5 and 7 bar.

This system has been developed to be integrated into variable installations under the OEM concept, or directly on a line of dry air.







APPLICATION TYPES:

- Carrier gas for GC and GC-MS
- Nebulizing and drying gas for LC/MS
- Protection and purge gas for sensitive instruments

FEATURES:

- No maintenance. Extremely affordable.
- N2 available 24/7, improving resolution and detection limit.
- Independent source of N2. 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	WSN2
Max N2 Outflow @1013 / 20°C	1 L/min
N2 purity	<25ppm O2 · 2ppm CH4 · particulates <0.01µm
Dew point	-50°C
Outlet Pressure	From 0.5 to 7 bar (7 to 102 psig)
Dimensions cm / in	L: 8.7cm / l: 31cm / H: 25.5cm (3.4in / 12.2in / 10in)
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