

WSN2 – WALL SLIM NITROGEN

High-purity Nitrogen



DESCRIPTION:

LEMAN Instruments designed the WSN2 high-purity Nitrogen product to fit almost any application within the 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 from 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.

One model is available with the purities based on this table:

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

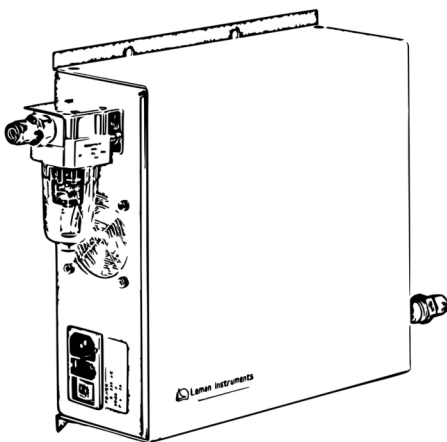


APPLICATION TYPES:

- Zero Gas
- Carrier Gas
- Purge Gas

FEATURES:

- No maintenance
- Extremely affordable
- Flexible use
- Improves resolution and detection limit. Provides high pressure stability
- N₂ available 24/7. No contamination.
- Independent source of N₂. Needs only a dry, oil-free compressed air supply and electricity. It can be easily moved around the laboratory or placed differently on a line
- No handling, No storage, No cylinder rental fee
- Vertical and slim integration or space-saving
- No heating parts



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MODELS	WSN2
Max N2 Outflow @ 1013/20°C	1 L/min
N2 Purity	• < 50 °C DP • < 25 ppm O2 • 2 ppm 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 / I: 31cm / H: 25.5cm L: 3.4in / I: 12.2in / H: 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 260VAC, 47 to 63 Hz
Power consumption (max at full flow)	Maximum 100W
Ambient temperature	+5 to +35°C

