

Mistral LCMS Evolution Low Noise N₂ Generator PSA

Description

IMPROVED PRODUCT !

The **Mistral LCMS Evolution** (PAS technology) include an integral oil-free air compressor and deliver a continuous stream of pure nitrogen gas of 98.5% with a flow rate of 35 NI/min.

It use the pressure swing adsorption (PSA) system that removes oxygen, carbon dioxide and water from compressed air. The resulting stream pure nitrogen is ideal for laboratory applications like LCMS techniques and other inert gas applications.

Functioning principle:

The standard PAS technology is combined with a dual step pressure management.

This allow getting high flow, high purity and high pressure all together in a very economical way without stressing the components. As a matter of fact, the live time for all the important components is extremely long.

Easy Access for the maintenance.



- ☒ Improved reliability
- ☒ Increase laboratory efficiency
- ☒ Improved noise level
- ☒ Improved maintenance operation
- ☒ Simple installation

Applications



The **Mistral LCMS Evolution** is ideal for operation as nitrogen gas supply for all kind of application for the LCMS techniques:

- Liquid chromatography
- Mass spectrometry

And other applications like:

- food packaging
- blanketing
- inertisation

Specifications

Standard temperature and pressure : 20°C at atmospheric pressure

Flow rate : 35 NI/min +/- 1.5 NI/min (at atmospheric pressure)
Outlet pressure : 8 bar / 120 psi
Purity : > 98% (less 2% O2)

Power consumption: 1300 Watt
Circuit breaker : 10A for 230V – 15A for 110V

Pressure accuracy : 0.2 bar (+/- 0.1 bar)

Micorprocessor controlled display : Graphic display, 128 x 64 pixels

Operating conditions :
- temperature : 10°C to 40°C
- relative humidity : 0 – 80 % rF, no condense / 0 – 99% rF with condense drain

Heat dissipation : Approx 2700 Btu/h

Dimansions : 482 x 835 x 641 mm (WxDxH) Fit under the bench
Weight : Net 121 Kg / shipping weight : 146 Kg

Options – Accessories – Spare parts

Models:

6900 53 000.1	N2-MISTRAL-LCMS Evolution 35NI/min 230V/50Hz
6900 53 000.2	N2-MISTRAL-LCMS Evolution 35NI/min 230V/60Hz
6900 53 000.3	N2-MISTRAL-LCMS Evolution 35NI/min 115V/60Hz

Options:

6900 53 050	O2 sensor
6900 53 051	Flow sensor

Consumables:

6700 23 051.2	4000h LCMS EVO Maintenance Kit (1filtering media + 4 silencer)
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