

Whisper 0

LCMS N₂ Generator Membrane

Description

The **Whisper 0** is a nitrogen generator specially designed for the LC-MS applications. Using the latest membrane technology it is able to provide nitrogen at 8 bar pressure and 98.5% purity.

The Whisper exist in different flow : 8, 40, 80 and 120 l/min (need an external compressed air).

Benefits of Whisper are:

- better results from analytical instruments
- better lab efficiency
- cost saving and improved safety

Functioning principle:

The external compressed air is filtered by a coalescent filter to remove the condensed water, active charcoal filter to remove hydrocarbons and finally by a particle filter. Then the air is dried by a specific dryer column and then the membrane will separate the nitrogen from the other gases.

At the end of the process, the pressure is regulated to be used at the outlet of the instrument. Once the pressure is reached a pneumatic control valve will stop the compressor until new nitrogen is requested.



- ☒ **no noise**
- ☒ **No electricity**
- ☒ **Better lab efficiency**
- ☒ **Cost saving**

Applications



The **Whisper** has been developed to meet specific requirements in terms of flow, purity and pressure in LC-MS applications. It can be used for the evaporation of solvents in samples being analysed.

The simple high efficiency membrane technology allows the separation of nitrogen from other components of the compressed air inlet.

Applications for the Whisper LCSM:

- LC-MS
- Evaporation of solvents

Specifications

Flow rates :	8NI/min - 40NI/min - 80NI/min - 120NI/min for Whisper 0
Delivery pressure :	Up to 8 bar (inlet pressure 9 to 11 bar - pressure drop 0.8 bar - for Whisper 0)
Nitrogen :	> 98% to 99.5% depending of pressure and flow rate
Particle filtration level :	< 0.01 um
Sound level :	No noise
Fittings :	Inlet Quick connect for tube 10mm (OD) / outlet quick connect for tube 6 mm (OD)
Power requirements :	No need of electricity

Models	Mini Whisper 0-8L	Whisper 0-40L	Whisper 0-80L	Whisper 0-120L
N2 flow rate [NI/min]	8	40	80	120
Net weight [Kg]	15	15	18	21
Shipping weight [Kg]	20	20	23	26
Dimensions WxDxH [cm]	74x40x28	48x26x115	48x26x115	48x26x115
Shipping dim WxDxH [cm]	50x40x90	40x40x120	40x40x120	40x40x120
Compressor included	No	No	No	No
Power consumption [Watt]	0	0	0	0

Options – Accessories – Spare parts

Models:

6900 24 002	N2-MiniWhisper 0-8NI/min 99%
6900 24 004	N2-Whisper 0-40NI/min 98.5%
6900 24 006	N2-Whisper 0-80NI/min 98.5%
6900 24 008	N2-Whisper 0-120NI/min 98.5%

Consumables:

6700 18 900	Set of dust filter / coalescent filter / active charcoal filter kit <i>(for Whisper-C & Whisper 0)</i>
-------------	--

Performance table purity vs. flow rate :

Whisper-40 @ 8bar inlet pressure at 25°C

98%	97%	96%	95%	94%
45 l/min	57 l/min	69 l/min	81 l/min	93 l/min

Whisper-80 @ 8bar inlet pressure at 25°C

98%	97%	96%	95%	94%
90 l/min	114 l/min	138 l/min	162 l/min	186 l/min

Whisper-120 @ 8bar inlet pressure at 25°C

98%	97%	96%	95%	94%
135 l/min	171 l/min	207 l/min	243 l/min	279 l/min



Schmidlin
Swiss Made Innovation

46 chemin de l'étang
1219 Geneva - Switzerland

Phone +41 22 979 37 24
Fax +41 22 979 37 20

info@lni-schmidlin.com
www.lni-schmidlin.com

