

Mistral One

Membrane
Nitrogen + Air generator

The **NitroGen** series **Mistral One** are Membrane Nitrogen Generators. They are engineered to transform standard compressed air into a safe regulated supply of Nitrogen with a purity up to 99.5%. An optional channel can provide up to 40 L/min of compressed, dry and regulated air.

The exclusive electronic flow control allows to generate Nitrogen with higher purity using a smaller volume of air and reducing energy costs and maintenance of an external compressor. Continuous control of the operating parameters allow to maintain the system at its maximum efficiency.

The **Mistral One** with it's dual Nitrogen and Air outlets has been developed to meet specific requirements in terms of gas, flow, purity and pressure in **LC-MS applications**. It can be used for the evaporation of solvents in samples being analysed.

Smart **Gas** Generators



Swissgas



NitroGen



AirGen

- Compatible with all LCMS
- Dual Nitrogen and Air generator
- Low noise
- Low maintenance
- Generates Nitrogen on demand
- Exclusive electronic flow control
- Designed to run 24 hours a day



Specifications :

Available Flow rates	25	45	60 [Nml/min]
Outlet pressure (min/max)	2 bar / inlet pressure -0.5 bar need external compressed Air		
Nitrogen purity	> 98.5 % @ 25 l > 99.5 % @ 10 l	> 98.5 % @ 45 l > 99.5 % @ 25 l	> 98.5 % @ 60 l > 99.5 % @ 45 l
Flow / Purity / pressure Air	Up to 40 L/min / inlet pressure -1.0 bar / -20°C DP		
Inlet/outlet connection	Gas 1/4" female		
Compressed Air requirement			
Flow	80 l/min	160 L/min	200 L/min
Flow if Air option	130 l/min	210 L/min	NA
Pressure (min/max)	5 to 10 bar (72 to 145 PSI)		
Purity	Particulate: <1 micron / Dewpoint: -5°C (23°F) / Oil: <0.01 mg/m ³		
Dimensions (W x D x H)	26 x 28 x 112 cm		
Interface	LCD touch-screen		
Remote control	RS 232		
Net Weight	from 23 to 25 Kg depending of the model and option		
Power supply	100-240Vac 50/60Hz / 25W		

Models

6920 50 025	Mistral One 25 L/min N2
6920 50 125	Mistral One 25 L/min N2 + 40 L/min Air
6920 50 045	Mistral One 45 L/min N2
6920 50 145	Mistral One 45 L/min N2 + 40 L/min Air
6920 50 060	Mistral One 60 L/min N2

Consummables

6930 00 140	8000h maintenance Kit
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Accessories

6920 50 000	50 L Nitrogen tank
6920 50 005	Dual 25 L Nitrogen + 25 L Air tank

6920 45 200	OFCAS-Scroll 200L/10 bar
6920 45 220	OFCAS-Scroll 220L/8 bar



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