



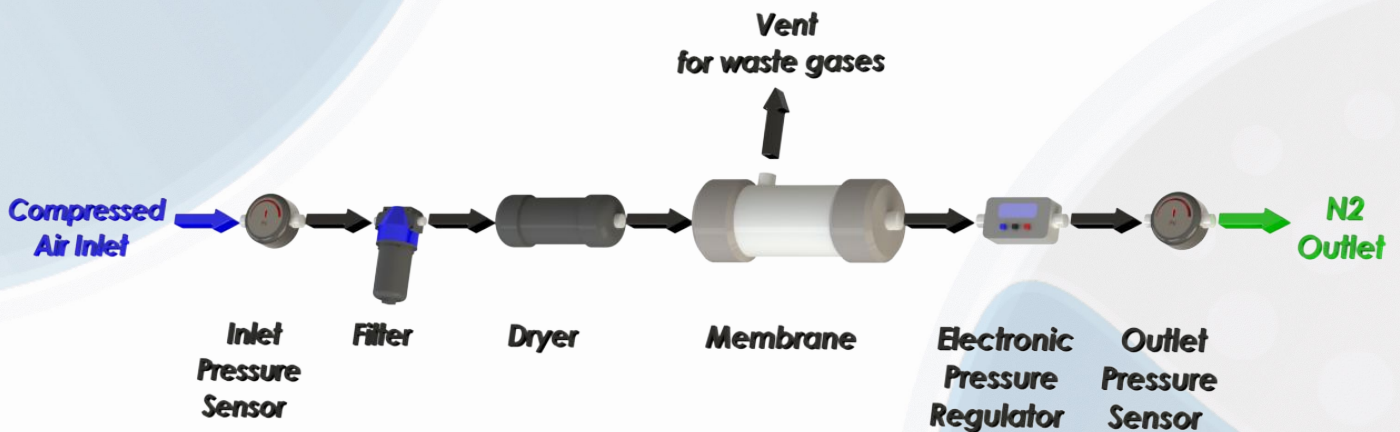
N2.M.120L

N2 MEMBRANE GENERATOR

The MicroPROGEL Nitrogen Membrane Generators are engineered to transform standard compressed air into a safe regulated supply of Nitrogen with a purity up to 99.5%.

They are equipped with a Membrane with bundles of polymeric fibres designed to eliminate waste gases such as oxygen, carbon dioxide and water vapour and to retain and subsequently release only Nitrogen gas.

N2.M.120L



Main applications

- LC-MS
- Solvent evaporation

Main advantages

- Generates Nitrogen on demand from external compressed air
- Designed to run 24 hours a day
- Less bulky than the Nitrogen high pressure cylinders and safe improvement due to their elimination from laboratory
- Low power, low noise, low maintenance

Exclusive advantages

- Exclusive electronic flow control that allows to generate Nitrogen with higher purity using a smaller volume of air and consequent reducing energy costs and the maintenance of external compressor
- Continuous control of the operating parameters to maintain the system at its maximum efficiency

Technical specifications

Model	N2.M.120L
N2 outlet	
Flow rate (max)	120 l/min
Outlet pressure (min)	2.0 bars
Outlet pressure (max)	Inlet pressure – 1.5 bar
Nitrogen purity (Inlet Pressure > 8 bar)	98.5% @ 120 l/min
Air inlet	
Air inlet requirement	Particulate: <1 micron
	Dewpoint: < 5°C (41°F)
	Oil: <0.01 mg/m ³
Flow rate (max)	400 l/min
Min supply pressure	5 bars
Max supply pressure	10 bars
Min temperature	1°C (34°F)
Max temperature	45°C(113°F)
Air compressor	Optional
Communication	
LCD with touch screen	X
RS485	X
RS232	For service
General data	
Supply rating	100-240Vac 50/60Hz – 1A
Connection type	IEC320-C13
Installation power (max)	25W (30VA)
Fuse rating	2 x 1A -240Vac (5x20mm)
Net weight	<30kg
Dimensions (W x D x H) mm	350 x 280 x 1200
Connections	
Outlet port	1/4" female
Inlet port	1/4" female
Drain port	1/4" female
Operating/storage conditions	
Temperature	5-35°C (41-95°F)
Humidity (max, non condensing)	80% at 25°C (77°F)
Noise	<25dB(A)
IP rating	IP20
Pollution degree rating	2 (with no aromatic compounds)
Altitude	< 2000m