



N2.M.25L
N2.M.25L.A
N2.M.45L
N2.M.45L.A
N2.M.60L



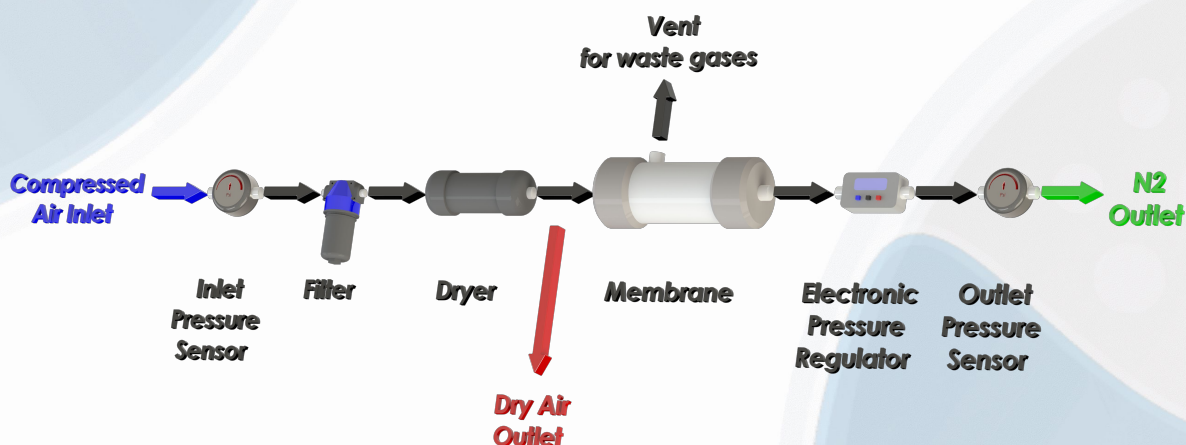
N2 MEMBRANE GENERATOR

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.

The Nitrogen Generators versions "**N2.M.25L.A** and **N2.M.45L.A**" can provide also a source of dry air. The Dry Air outlet can be connected to external tank, **N2.25L2.TANK** or **N2.50L.TANK**, where its pressure can be adjusted through the pressure regulator located on it.

N2.M.25L / N2.M.25L.A / N2.M.45L / N2.M.45L.A / N2.M.60L



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.25L	N2.M.25L.A	N2.M.45L	N2.M.45L.A	N2.M.60L
N2 outlet					
Flow rate (max)	25 l/min		45 l/min		60l/min
Outlet pressure (min)	2.0 bars				
Outlet pressure (max)	Inlet pressure – 1.0 bar				
Nitrogen purity (Inlet Pressure > 8 bar)	> 98.5 % @ 25 l/min > 99.5 % @ 10 l/min		> 98.5 % @ 45 l/min > 99.5 % @ 25 l/min		> 98.5 % @ 60 l/min
Dry Air outlet					
Flow rate (max)	-	40 l/min	-	40 l/min	-
Outlet pressure	-	Inlet pres. - 1.0bar	-	Inlet pres. - 1bar	-
Dew point	-	< -20°C (-4°F)	-	< -20°C (-4°F)	-
Air inlet					
Air inlet requirement	Particulate: <1 micron				
	Dewpoint: < 20°C (68°F)				
	Oil: <0.01 mg/m³				
Flow rate (max)	100 l/min	155 l/min	160 l/min	215 l/min	200 l/min
Min supply pressure	5 bars				
Max supply pressure	10 bars				
Temperature (Min / Max)	1°C (34°F) / 45°C(113°F)				
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	<23 kg		<25 kg		
Dimensions (W x D x H) mm	260 x 280 x 1200				
Connections					
N2 outlet port	1/4" female				
Dry Air 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				