



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

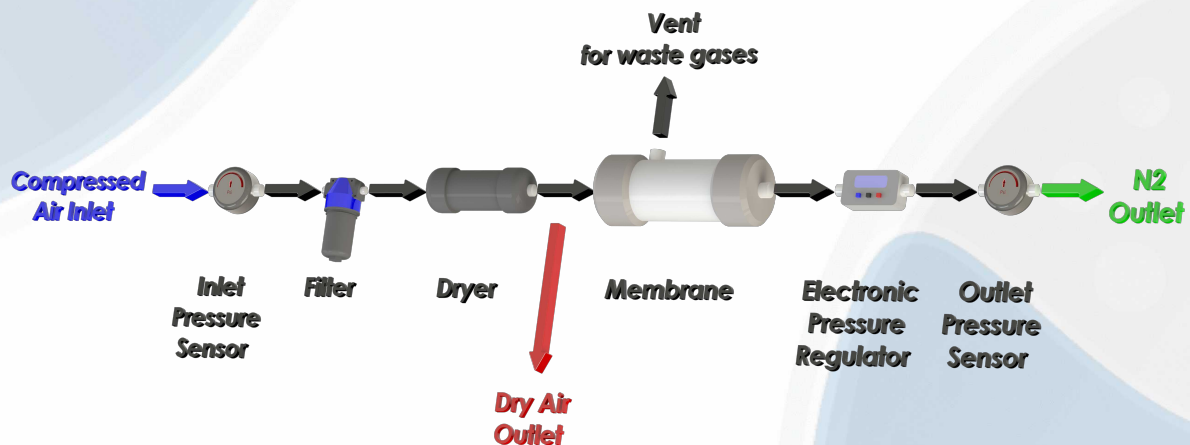
## N2 MEMBRANE GENERATOR

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
<b>N2 outlet</b>					
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
<b>Dry Air outlet</b>					
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)	-
<b>Air inlet</b>					
Air inlet requirement	Particulate: <1 micron				
	Dewpoint: < 20°C (68°F)				
	Oil: <0.01 mg/m <sup>3</sup>				
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)				
<b>Communication</b>					
LCD with touch screen	X				
RS485	X				
RS232	For service				
<b>General data</b>					
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				
<b>Connections</b>					
N2 outlet port	1/4" female				
Dry Air outlet port	1/4" female				
Inlet port	1/4" female				
Drain port	1/4" female				
<b>Operating/storage conditions</b>					
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				