



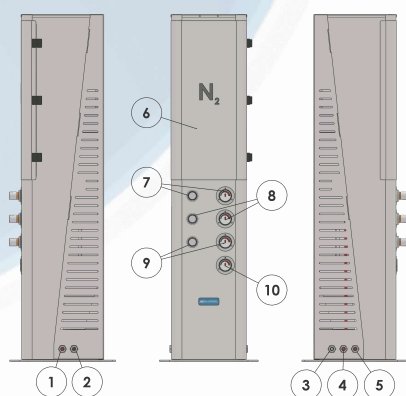
**N2.M.25L.3G**  
**N2.M.45L.3G**

## 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.25L.3G / N2.M.45L.3G**



#	Description
1	Compressed Air inlet
2	Air purge
3	GAS1 / GAS2 outlet
4	EXHAUST outlet
5	CURTAIN GAS outlet
6	Openable panel for service
7	Pressure gauge and pressure regulator for GAS1/GAS2 outlet
8	Pressure gauge and pressure regulator for EXHAUST outlet
9	Pressure gauge and pressure regulator for CURTAIN outlet
10	Pressure gauge for Air inlet

### 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
- No electrical parts
- Low noise with no mechanical moving parts and low maintenance

## Technical specifications

Model	N2.M.25L.3G	N2.M.45L.3G
<b>N2 outlet (CURTAIN GAS)</b>		
Flow rate (max)	25 l/min	45 l/min
Outlet pressure	Up to 7.5 bars <sup>1</sup>	
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
<b>AIR outlet (GAS1 / GAS2)</b>		
Flow rate (max)	26 l/min	26 l/min
Outlet pressure	Up to 7.5 bars <sup>2</sup>	
<b>AIR outlet (EXHAUST)</b>		
Flow rate (max)	25 l/min	25 l/min
Outlet pressure	Up to 7.5 bars <sup>3</sup>	
<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)	150 l/min	170 l/min
Min supply pressure	8 bars	
Max supply pressure	10 bars	
Temperature (Min / Max)	1°C (34°F) / 45°C(113°F)	
<b>General data</b>		
Net weight	<25 kg	
Dimensions (W x D x H) mm	260 x 280 x 1200	
<b>Connections</b>		
GAS1 / GAS2 port	¼" BSPP female	
EXHAUST port	¼" BSPP female	
CURTAIN GAS port	¼" BSPP female	
Air Inlet port	¼" BSPP female	
Drain port	¼" BSPP female	
<b>Operating/storage conditions</b>		
Temperature	5-35°C (41-95°F)	
Humidity (max, non condensing)	80% at 25°C (77°F)	
Noise	No noise (no mechanical moving parts)	
IP rating	IP20	
Pollution degree rating	2 (with no aromatic compounds)	
Altitude	< 2000m	

1 Precalibrated @ 4bar with flow up to 18 L/min

2 Precalibrated @ 7.25bar with flow up to 26 L/min

3 Precalibrated @ 4bar with flow up to 25 L/min