

N2.10L.UHP
N2.10L.UHP.Z
N2.16L.HP



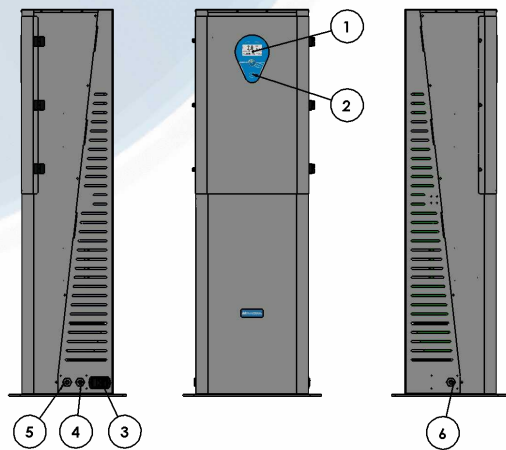
N2 ULTRA HIGH PURITY GENERATOR

The MicroPROGEL Ultra High Purity Nitrogen Generators are engineered to transform standard compressed air into a safe regulated supply of Nitrogen with a purity up to 99.9995%.

They are equipped with columns containing carbon molecular sieve that remove the oxygen, some hydrocarbons, moisture and carbon dioxide and subsequently release only ultra high pure Nitrogen gas.

The N2.10L.UHP-Z series is also equipped with a catalyst module to remove hydrocarbons(<0.1ppm).

N2.10L.UHP / N2.10L.UHP-Z / N2.16L.HP



- 1 Display LCD touch-screen
- 2 START/STOP button
- 3 Power supply switch
- 4 Compressed air inlet
- 5 Nitrogen outlet
- 6 Condensate air outlet

Main applications

- GC
- ICP
- TOD
- DMA
- TMA
- TGA
- DSC

Main features

- 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
- Internal Nitrogen tank
- Catalyst module to remove hydrocarbons in **N2.10L.UHP.Z** series

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	N2.10L.UHP	N2.10L.UHPZ	N2.16L.HP
N2 outlet			
Flow rate (max)	10 l/min		16 l/min
Outlet pressure (max)	Air Inlet pressure – 2 bar		
Nitrogen purity	99.9995% @ 10 l/min *		99.99% @ 16 l/min *
Outlet particulate	0.01 micron		
Hydrocarbon	-	<0.1 ppm	-
Air inlet			
Air inlet requirement	Particulate: <1 micron		
	Dewpoint: < -40°C (-40°F)		
	Oil: <0.01 mg/m ³		
Flow rate (max)	85 l/min		
Max supply pressure	10 bars / 145 psi		
Recommended temperature	25°C (77°F)		
Air compressor	Optional		
Communication			
LCD with touch screen	X		
RS232	For service		
General data			
Supply rating	100-240Vac 50/60Hz – 1A		
Connection type	IEC320-C13		
Installation power (max)	240W (280VA)		
Fuse rating	4A -240Vac (5x20mm)		
Net weight	<90kg		
Dimensions (W x D x H) mm	350 x 340 x 1200		
Connections			
Outlet port	1/4" female BSPP		
Inlet port	1/4" female BSPP		
Drain port	1/4" female BSPP		
Operating/storage conditions			
Temperature	5-25°C (41-77°F)		
Humidity (max, non condensing)	70.00%		
Noise	<25dB(A)		
IP rating	IP20		
Pollution degree rating	2 (with no aromatic compounds)		
Altitude	< 2000m		

* Performances data is based on 110 psi inlet air pressure and 20-25 °C ambient temperature

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