

**MicroPROGEL**

> next electronic technology for your ideas



N2.UHP.5L
N2.UHP.10L
ZN2.UHP.10L
N2.HP.16L
N2.UHP.16L
ZN2.UHP.18L



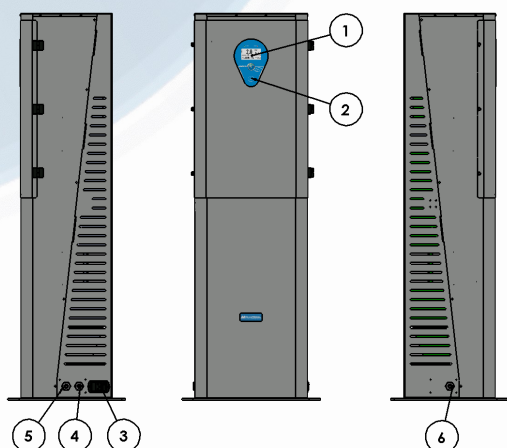
N2 ULTRA HIGH PURITY GENERATOR

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 ZN2.UHP.xxL series is also equipped with a catalyst module to remove hydrocarbons(<0.1ppm).

N2.UHP.10L / ZN2.UHP.10L /
N2.HP.16L / N2.UHP.16L / ZN2.UHP.18L



- 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 **ZN2.UHP.xxL** 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

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Technical specifications

Model	N2.UHP.5L	N2.UHP.10L	ZN2.UHP.10L	N2.HP.16L	N2.UHP.16L	ZN2.UHP.18L
N2 outlet						
Flow rate (max)	5 l/min	10 l/min		16 l/min		18 l/min
Nitrogen purity	99.9995% @ 5 l/min*	99.9995% @ 10 l/min*		99.99% @ 16l/min*	99.999% @ 16l/min*	99.999% @ 18//min*
Hydrocarbon	-	-	<0.1 ppm	-	-	<0.1 ppm
Outlet pressure (max)	Air Inlet pressure – 2 bar					
Outlet particulate	0.01 micron					
Air inlet						
Air inlet requirement	Particulate: <1 micron					
	Dewpoint: < -40°C (-40°F)					
	Oil: <0.01 mg/m³					
Flow rate (max)	65 l/min	85 l/min			105 l/min	
Min supply pressure	6.5 bars / 95 psi					
Max supply pressure	10 bars / 145 psi					
Recommended temperature	< 30°C (86°F)					
Communication						
LCD with touch screen	Included					
RS232	For service					
General data						
Supply rating	100-240Vac 50/60Hz – 1A					
Connection type	IEC320-C13					
Installation power (max)	50W (60VA)					
Fuse rating	1A -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 110psi inlet air pressure and 20-25 °C ambient temperature