



N2.UHP.10L.C
N2.UHP.16L.C
N2.UHP.18L.C
ZN2.UHP.10L.C
ZN2.UHP.18L.C



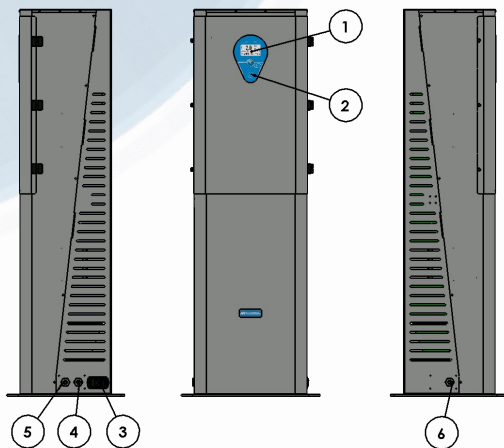
N2 ULTRA HIGH PURITY GENERATOR WITH COMPRESSOR INTEGRATED

The MicroPROGEL Ultra High Purity Nitrogen Generators N2.UHP.XXX.C are engineered to produce 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.C series is also equipped with a catalyst module to remove hydrocarbons (<0.1ppm).

N2.UHP.xxL.C / ZN2.UHP.xxL.C



- 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 with integrated oil-less SCROLL compressor
- 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.C** 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 internal compressor
- Continuous control of the operating parameters to maintain the system at its maximum efficiency
- Integrated log life oil-less scroll compressor

Technical specifications

Model	N2.UHP.10L.C	ZN2.UHP.10L.C	N2.UHP.16L.C	N2.UHP.18L.C	ZN2.UHP.18L.C
N2 outlet					
Flow rate (max)	10 l/min		16 l/min		18 l/min
Outlet pressure (max)	Air Inlet pressure – 2 bar				
Nitrogen purity	99.9995% @ 10 l/min*		99.99% @ 16l/min*	99.999% @ 18l/min*	99.999% @ 18l/min*
Outlet particulate	0.01 micron				
Hydrocarbon	-	<0.1 ppm	-	-	<0.1 ppm
Communication					
LCD with touch screen	Included				
RS232	For service				
General data					
Supply rating	100-240Vac 50/60Hz – 16A				
Connection type	IEC320-C13				
Installation power (max)	2.5KW (3.0KW)				
Net weight	<290kg				
Dimensions (W x D x H) mm	420 x 900 x 1200				
Connections					
Outlet port	1/4" female BSPP				
Drain port	1/4" female BSPP				
Operating/storage conditions					
Temperature	5-35°C				
Humidity (max, non condensing)	70.00%				
Noise	< 68dB(A)				
IP rating	IP20				
Pollution degree rating	2 (with no aromatic compounds)				
Altitude	< 2000m				

* Performances data is based @ 25 °C ambient temperature