

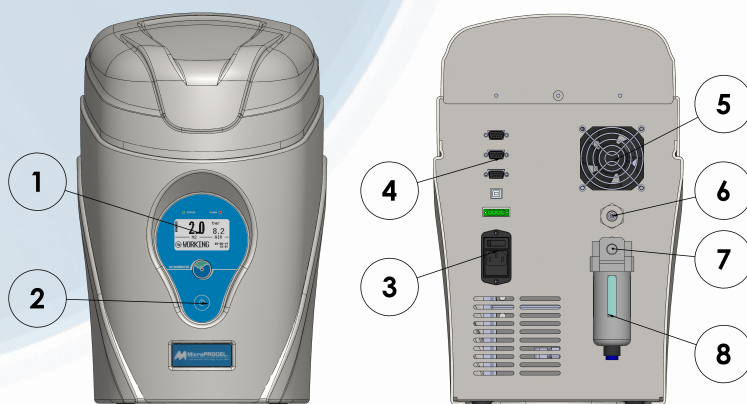
**MicroPROGEL**

&gt; next electronic technology for your ideas

**N2.600.HP.D  
ZN2.600.HP.D  
N2.1000.HP.D**

## N2 GENERATOR DESK

The MicroPROGEL High Purity (HP) Nitrogen Generators are engineered to transform standard compressed air in to a safe regulated supply of 99.9995% pure nitrogen. Typical applications include GC make up gas and carrier gas, including ECD (Electron Capture Detector), solvent evaporation, DSC (Differential Scanning Calorimeter) and virtually any analytical instrument that requires a small flow of ultra high-purity nitrogen.



- 1 Display LCD touch-screen
- 2 START/STOP button
- 3 Power supply switch
- 4 I/O ports: RS485 – RS232 – USB - Digital I/O
- 5 Fan
- 6 Nitrogen outlet
- 7 Compressed air Inlet
- 8 Filter

### Main Applications

- Produces a supply of high purity Nitrogen 99.9995% for GC application
- TOC applications including combustion, UV persulfate and wet oxidation sampling techniques
- make-up and carrier gas applications including ECD

### Main Features

- Generates Nitrogen on demand from external compressed air
- Designed to run 24 hours a day
- Eliminates dangerous Nitrogen cylinders from the laboratory
- The ZN2 series is equipped with a Catalyst oven to remove Hydrocarbons (as methane)
- Smart control of the flow of inlet air, it is function of the real flow of nitrogen used by the application
- Minimum maintenance with an annual filter change
- USB/RS232 ports to remote the system anywhere in the world
- Low power, low noise, low maintenance
- Ultra fast start-up time
- Fast purity (10 ppm in less than 3 hours)

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## Technical specifications

Model	N2.600.HP	N2.600.HP.D	ZN2.600.HP.D	N2.1000.HP	N2.1000.HP.D
N2 outlet					
Flow rate (max)	600 cc/min			1000 cc/min	
Outlet pressure (min)	1.0 bars				
Outlet pressure (max)	Inlet pressure – 2.0 bar				
Nitrogen purity	>99.9995% - (<5ppm O2 @ 7 Bar inlet pressure)				
O2 content	-	-	< 5 ppm	-	-
Hydrocarbon content (CH4 free)	-	-	< 0.05 ppm	-	-
Air inlet					
Air inlet requirement	Particulate: <1 micron				
	Dewpoint: -40°C (-40°F)				
	Oil <0.01 mg/m³				
Flow rate (max)	12 l/min			15 l/min	
Min supply pressure	7 bars				
Max supply pressure	10 bars				
Min temperature	1°C (34°F)				
Max temperature	35°C (95°F)				
Communication					
LCD with touch screen	No	Yes	Yes	No	Yes
RS232	X				
RS485	X				
USB	X				
General data					
Supply rating	100-240Vac 50/60Hz – 2A				
Connection type	IEC320-C13				
Installation power (max)	240W (280VA)				
Fuse rating	4A -240Vac (5x20mm)				
Net weight	<25 kg				
Connections					
Outlet port	1/4" female				
Inlet port	1/4" female				
Operating conditions					
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	< 200				