



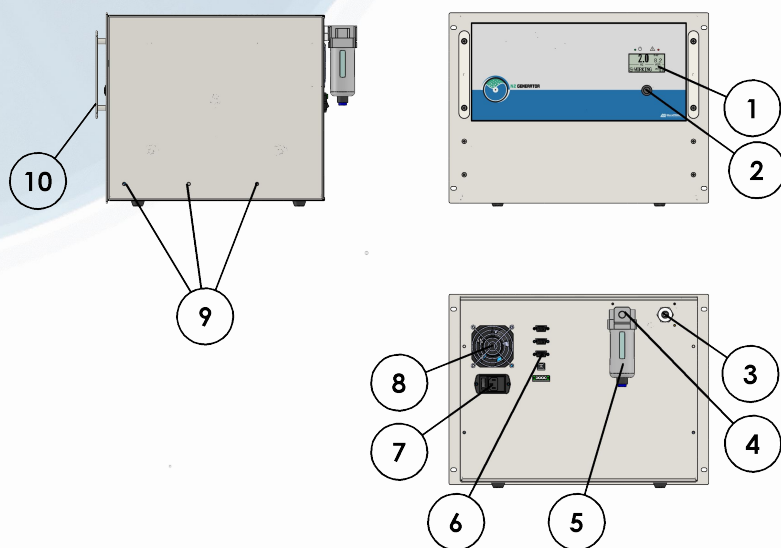
RACK.N2.2000.HP.D
RACK.N2.3000.D



N2 GENERATOR RACK

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, 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.

RACK.N2.2000.HP.D / RACK.N2.3000.D



- 1 Display LCD touch-screen
- 2 START/STOP button
- 3 Air compress inlet
- 4 Nitrogen outlet
- 5 Filter
- 6 I/O ports (USB- RS232 – RS485 – Digital I/O)
- 7 Power supply switch
- 8 Fan
- 9 Predisposition for sliding rails
- 10 Front handles

Main applications

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

Main advantages

- Generates Nitrogen on demand from external compressed air
- Designed to run 24 hours a day
- Eliminates dangerous Nitrogen cylinders from the laboratory
- Smart control of the flow of inlet air, 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
- Compact and stackable
- Low power, low noise, low maintenance
- Ultra fast start-up time (10 ppm in less than 3 hours).

Technical Specifications

Model	RACK.N2.2000.HP.D	RACK.N2.3000.D
N2 outlet		
Flow rate (max)	2000 cc/min	3000 cc/min
Outlet pressure (min)	1.0 bars	
Outlet pressure (max)	Inlet pressure – 2.5 bar	
Nitrogen purity	>99.9995% (<5ppm O2 @ 7 Bar inlet pressure)	>99.995% (<50ppm O2 @ 7 Bar inlet pressure)
Air inlet		
Air inlet requirement	Particulate: <1 micron	
	Dewpoint: -40°C (-40°F)	
	Oil: <0.01 mg/m ³	
Flow rate (max)	22 l/min	22 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	X	
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	40 kg	
Connections		
Outlet port	1/4" female	
Inlet port	1/4" female	
Environment 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	< 2000	