

# NG POLLUCE

## PSA Nitrogen generator for LC-MS

**POLLUCE** is designed to satisfy the needs of all LCMS brand on the market. It makes use of Pressure Swing Adsorption technology (PSA), through the use of specific selected molecular sieves (CMS), enable to obtain extremely pure nitrogen, this technologies reduced risk of gas contamination and phthalates-free.

The generator could be equipped with a built-in oil less compressor with inverter technology. Inverter electronically control the electrical voltage, current and frequency of the compressor motor. It receives information from sensors monitoring operating conditions, and adjust the revolution speed of the compressor, which directly regulates air pressure output. Optimum control of operation frequency results in eliminating the consumption of excessive electricity and providing the most comfortable conditions to increase the compressor life-time.

Thanks to the CPU with touch screen display, the continuous monitoring of operational status is guaranteed.

### Main applications

- LCMS
- Solvent evaporation

### Main advantages

- ✓ PSA Technology
- ✓ Easy use and installation (plug and play)
- ✓ Low noise
- ✓ Generates nitrogen on demand with exclusive electronic flow control
- ✓ Low energy exclusive compressor inverter controlled
- ✓ Designed to run 24 hours a day
- ✓ Pressure up to 8 bar
- ✓ CH4 oven scrubber (option)



## Specifications



Models: NG POLLUCE	40	40C
<b>N2 outlet</b>		
Flow rate (Max)	40 L/min	40 l/min
Outlet pressure (Max)	Air Inlet pressure – 2 bar	Up to 8 bars
Nitrogen purity	Up to 99%	
Outlet Dew-point	<-50°C	
Outlet particulate	0.01 micron	
<b>Air inlet</b>		
Air inlet requirement	Particulate: < 1 micron	
	Dewpoint: < -20°C (-4°F)	
	Oil: <0.01 mg/m <sup>3</sup>	
Flow rate (max)	100L/min	-
Supply pressure (min - max)	7 bars (95 psi) - 10 bars (145 psi)	
Recommended temperature	< 30°C (86°F)	
<b>Communication</b>		
LCD with touch-screen	Standard	
RS485	Standard	
RS232	Standard	
USB	Standard	
Digital I/O	Standard	
<b>General data</b>		
Supply rating	100-240Vac 50/60Hz	Single phase 220-240Vac 50/60Hz
Connection type	IEC320-C13	Cable, 3x2.5mm <sup>2</sup>
Installation power (max)	280W	2.2KW
Fuse rating (5x20mm)	4A - 250VAC	-
Net weight	<160 kg	<300Kg
Dimensions (W x D x H)	42 x 40 x 160 cm	42 x 90 x 160 cm
<b>Connections</b>		
Outlet port	1/4" female BSPP	
Inlet port	1/4" female BSPP	-
Drain port	Quick fitting for tube 8mm	1/4" female BSPP
<b>Operating/storage conditions</b>		
Working Temperature	5-40°C (41-104°F)	
Storage Temperature	1-50°C (34-122°F)	
Humidity (max, non condensing)	70%	
Noise	< 25dB(A)	<65dB(A)
IP rating	IP20	
Pollution degree rating	2 (with no aromatic compounds)	
Altitude	< 2000m	

### Ordering codes

#### Gas Generators

6920.60.040

6920.60.040C

#### Options

6920.61.001

#### Consumable

6920.61.002

NG POLLUCE 40

NG POLLUCE 40C

CH4 scrubber for NG POLLUCE\*

\* only for 40 / 40C

Kit service 8000 hours for NG POLLUCE



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