

# NG POLLUCE XL 40

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 is equipped with a built-in oil less **scroll** 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



<b>Models: NG POLLUCE XL</b>	<b>40</b>
<b>N2 outlet</b>	
Flow rate (Max)	40 l/min
Outlet pressure (Max)	Up to 8 bars
Nitrogen purity* <sup>1</sup>	Up to 99%
Outlet Dew-point	<-50°C
Outlet particulate	0.01 micron
<b>Communication</b>	
LCD with touch-screen	Standard
RS485	Standard
RS232	Standard
Digital I/O	Standard
<b>General data</b>	
Supply rating	Single phase 220-240Vac 50/60Hz (100-115Vac 50/60Hz optional)
Connection type	IEC C20
Installation power (max)	1.8KW
Internal N2 tank capacity	50 l
Internal Dry air tank capacity	5 l ( <i>optional</i> )
Net weight	<180Kg (<190Kg with 100-115Vac)
Dimensions (W x D x H)	59 x 91 x 100 cm
<b>Connections</b>	
N2 Outlet port	1/4" female BSPP
Dry air outlet ( <i>optional</i> )	1/4" female BSPP
Drain port	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% at 25°C (77°F)
Noise* <sup>2</sup>	< 65dB(A)
IP rating	IP20
Pollution degree rating	2 (with no aromatic compounds)
Altitude	< 2000m

\*1 The purity refers to the residual oxygen

\*2 @ 1.5mt front side

### Ordering codes

#### Gas Generators

6920.61.040

NG POLLUCE XL 40

#### Accessories

6920.71.30

Box with 2 pressure regulator

6920.71.40

Box with 3 pressure regulator

#### Options

6920.61.001

CH4 scrubber for NG-POLLUCE-XL

6920.71.10

Module for 100-115Vac 50/60Hz

6920.71.20

Electronic pressure control

6920.71.50

WiFi Module

#### Consumable

6920.61.002

Kit service 8000 hours for NG POLLUCE



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For further  
information or to  
trial the equipment,  
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