

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 phthalate-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)





Models: NG POLLUCE XL		40
N2 outlet		
Flow rate (Max)		40 l/min
Outlet pressure (Max)		Up to 8 bars (116 psi)
		>98.5 @ 40 l/min
Nitrogen purity*1		>99 @ 20 l/min
		>99.99 @ 10 l/min
Outlet Dew-point*2		<-50°C (- 58°F)
Outlet particulate		0.01 micron
Communication		
LCD with touch-screen		Standard
RS485		Standard
RS232		Standard
Digital I/O		Standard
General data		
Supply rating		Single phase 220-240Vac 47..63Hz (100-115Vac 47..63Hz optional)
Connection type		IEC C20
Nominal power (Max)		1.8KW
Heat value (BTU)		6150
Internal N2 tank capacity		50 l
Net weight		<210Kg (<245Kg with 100-115Vac)
Dimensions (W x D x H)		59 x 91 x 100 cm
Connections		
N2 Outlet port		1/4" female BSPP
Drain port		1/4" female BSPP
Operating/storage conditions		
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*3		< 60dB(A)
IP rating		IP20
Pollution degree rating		2 (with no aromatic compounds)
Altitude		< 2000m

*1 The purity refers to the residual oxygen

*2 Atmospheric Dew Point (ADP)

*3 @ 1.5mt front side

Ordering codes

Gas Generators

6920.61.040

Accessories

6920.71.30

6920.71.40

Options

6920.61.001

6920.71.10

6920.71.20

6920.71.50

Consumable

6920.61.002

NG POLLUCE XL 40

Box with 2 pressure regulator

Box with 3 pressure regulator

CH4 scrubber for NG-POLLUCE-XL

Module for 100-115Vac 50/60Hz

Electronic pressure control

WiFi Module

Kit service 8000 hours for NG POLLUCE



LNI Swissgas

www.lni-swissgas.eu