



NitroGEN

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 elimi-

nating 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

NG POLLUCE	40	100	40C
		N₂ outlet	
Flow rate (Max)	40 l/min	100 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		
Hydrocarbon	<0.1 ppm (with scrubber option)		
		Air inlet	
Air inlet requirement	Particulate: <1 micron		
	Dewpoint: <-20°C (-4°F)		
	Oil: <0.01 mg/m ³		
Flow rate (Max)	100 l/min	220 l/min	
Supply pressure (Min - Max)	7 bars (95 psi) - 10 bars (145 psi)		
Recommended temperature	<30°C (86°F)		
		Communication	
RS485	Standard		
RS232	Standard		
		General data	
Supply rating	100-240 VAC 50/60 Hz		
Connection type	IEC320-C13		
Installation power (Max)	250 W		1.5 KW
Fuse rating (5x20 b mm)	2 A		10 A
Net weight	<90 kg		<180 Kg
Dimensions (W x D x H)	35 x 34 x 120 cm		35 x 70 x 120 cm
		Connections	
Outlet port	1/8" female BSPP		
Inlet port	1/8" 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%		
Noise	<25 dB(A)		<58 dB(A)
IP rating	IP20		
Pollution degree rating	2 (with no aromatic compounds)		
Altitude	<2000 m		

NG POLLUCE

PSA Nitrogen generator
for LC-MS

Gas Generators	
6920.60.040	NG POLLUCE 40
6920.60.040C	NG POLLUCE 40 C
6920.60.100	NG POLLUCE 100
Options	
6920.61.001	CH ₄ scrubber for NG POLLUCE*
Consumable	
6920.61.002	Inlet filter for NG POLLUCE

* only for 40/40C

Ordering codes

