

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
N2 outlet			
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	
Air inlet			
Air inlet requirement	Particulate: < 1 micron	-	
	Dewpoint: < -20°C (-4°F)		
	Oil: <0.01 mg/m ³		
Flow rate (max)	100L/min		
Supply pressure (min - max)	7 bars (95 psi) - 10 bars (145 psi)		
Recommended temperature	< 30°C (86°F)		
Communication			
LCD with touch-screen		Standard	
RS485		Standard	
RS232		Standard	
USB		Standard	
Digital I/O		Standard	
General data			
Supply rating	100-240Vac 50/60Hz	Single phase 220-240Vac 50/60Hz	
Connection type	IEC320-C13	Cable, 3x2.5mm ²	
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	
Connections			
Outlet port		1/4" female BSPP	
Inlet port	1/4" female BSPP	-	
Drain port	Quick fitting for tube 8mm	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%	
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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