

NG CASTORE PRO 120

Membrane Nitrogen generator
electronic controlled

- Compatible with all LCMS
- Dual Nitrogen and Air generator
- Low noise
- Low maintenance
- Generates nitrogen on demand
- Exclusive electronic flow control
- Designed to run 24 hours a day

The NitroGen series **CASTORE PRO** are Membrane Nitrogen Generators. They are engineered to transform standard compressed air into a safe, regulated supply of Nitrogen with a purity up to 99.5%.

The exclusive electronic flow control allows to generate Nitrogen with a higher purity using a smaller volume of air which results in reduced energy costs and maintenance of any external compressor. Continuous control of the operating parameters allows to maintain the system at its maximum efficiency.

The CASTORE PRO has been developed to meet specific requirements in term of gas, flow, purity and pressure in LC-MS applications. It can be used for the evaporation of solvents in samples being analysed.



Smart **Gas** Generators



Specifications

Models: NG CASTORE PRO 120	
N2 outlet	
Flow rate (Max)	120 l/min
Outlet pressure (min; Max)	2.0 bars; Inlet pressure – 1.5 bar
Nitrogen purity (Inlet Pressure > 8 bar)	> 98.5 % @ 120 l/min
Air inlet	
Air inlet requirement	Particulate: <1 micron
	Dewpoint: < 5°C (41°F)
	Oil: <0.01 mg/m ³
Flow rate (Max)	400 l/min
Supply pressure (min; Max)	5 bars; 10bars
Temperature (min; Max)	1°C (34°F); 45°C(113°F)
Communication	
LCD with touch screen	Standard
RS485	Standard
RS232	For service
General data	
Supply rating	100-240Vac 50/60Hz – 1A
Connection type	IEC320-C13
Installation power (max)	25W (30VA)
Fuse rating	2 x 1A -240Vac (5x20mm)
Net weight	<30 kg
Dimensions (W x D x H) mm	350 x 280 x 1200
Connections	
N2 outlet port	¼" BSPP female
Dry Air outlet port	¼" BSPP female
Inlet port	¼" BSPP female
Drain port	¼" BSPP female
Operating/storage conditions	
Temperature	5-35°C (41-95°F)
Humidity (max, non condensing)	80% at 25°C (77°F)
Noise	<25dB(A)
IP rating	IP20
Pollution degree rating	2 (with no aromatic compounds)
Altitude	< 2000m

Main applications

- LC-MS
- Solvent evaporation

Smart Gas Generators



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