



NitroGEN

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.

Main applications

- LCMS
- Solvent evaporation

Main Advantages

- 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

Specifications

NG CASTORE PRO 120

Membrane Nitrogen generator
electronic controlled

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)	410 l/min
Supply pressure (Min; Max)	5 bars; 10 bars
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	100-240 VAC 50/60 Hz – 1 A
Connection type	IEC320-C13
Installation power (Max)	25 W (30 VA)
Fuse rating	2x1 A - 240 VAC (5 x 20 mm)
Net weight	<30 kg
Dimensions (W x D x H) mm	350 x 280 x 1200
	Connections
N ₂ 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	<25 dB(A)
IP rating	IP20
Pollution degree rating	2 (with no aromatic compounds)
Altitude	<2000 m

Gas Generators	
6920.50.120	CASTORE PRO 120
Accessories	
6920.50.000	50 l Nitrogen tank with pressure regulator and safety valve
Consumable	
6930.00.140	Service Kit 8000H for CASTORE models

Ordering codes

