

NG CASTORE PRO 120

Membrane Nitrogen generator
electronic controlled

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
- ✓ Low noise
- ✓ Low maintenance
- ✓ Generates nitrogen on demand
- ✓ Exclusive electronic flow control
- ✓ Designed to run 24 hours a day





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 <i>Inlet Pressure > 8 bar (116 psi)</i>	> 98.5 % @ 120 l/min
Air inlet	
Air inlet requirement	ISO 8573-1:2010 Class [2:4:1]
Flow rate (Max)	320 l/min
Supply pressure (min; Max)	5 bars (72.5 psi); 10bars (145 psi)
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 (min-Max)	100-240 Vac (±10%) 50/60Hz
Connection type	IEC320-C14
Nominal power (Max)	25W (30VA)
Fuse rating (5x20mm)	1A (250Vac – T)
Net weight	< 50 kg
Dimensions (W x D x H)	35 x 32 x 120 cm
Connections	
N2 outlet port	¼" BSPF female
Inlet port	¼" BSPF female
Drain port	¼" BSPF female
Operating/storage conditions	
Temperature	5-35°C (41-95°F)
Humidity (max, non condensing)	80% [5-35°C (41-95°F)]
Noise	< 35dB(A)
IP rating	IP20
Pollution degree rating	2 (with no aromatic compounds)
Altitude	< 2000m

Ordering codes

Gas Generators

6920.50.120 CASTORE PRO 120

Options

6920.50.012 O2 sensor option (%)

Accessories

6920.50.000 50 L Nitrogen tank with pressure regulator and safety valve

Consumable

6930.00.140 Filter elements 8000H for CASTORE BASIC / PRO



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