

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)	220 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	100-240 Vac (±10%) 47..63Hz
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" 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	< 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

Accessories

6920.50.000 50 L Nitrogen tank with pressure regulator and safety valve

6920.50.012 O2 sensor option (%)

Consumable

6930.00.140 Service Kit 8000H for CASTORE models



LNI Swissgas

www.lni-swissgas.eu

LNI Swissgas Srl

Registered office: Via Sassoferato 1, 20135 Milano MI

Logistics centre: Via E. Mattei 9, 35038 Torreglia PD