

# NG CASTORE PRO 350

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 350	
<b>N2 outlet</b>	
Flow rate (Max)	350 l/min
Outlet pressure	Inlet pressure – 1.0 bar
Nitrogen purity <i>Inlet Pressure &gt; 8 bar (116 psi)</i>	96% .. 99.5% LCMS grade
Dew point *1	< -60°C (-76°F)
<b>Air inlet</b>	
Air inlet requirement	ISO 8573-1:2010 Class [1:3:1]
Flow rate (Max)	880 l/min @ 350 l/min N2
Supply pressure (min; Max)	5 bars (72.5 psi); 10bars (145 psi)
Temperature (min; Max)	1°C (34°F); 45°C (113°F)
<b>Communication</b>	
LCD with touch screen	Standard
RS485	Standard
RS232	For service
<b>General data</b>	
Supply rating (min-Max)	100-240Vac (±10%) 50/60 Hz
Connection type	IEC320-C14
Nominal power	25W
Fuse rating (5x20mm)	1A (250Vac – T)
Net weight	< 50 kg
Dimensions (W x D x H)	35 x 34 x 145 cm
<b>Connections</b>	
N2 outlet port	1/2" BSPP female
Inlet port	1/2" BSPP female
Drain port	1/4" BSPP female
<b>Operating/storage conditions</b>	
Temperature	5-35°C (41-95°F)
Humidity (max, non condensing)	80% [5-35°C (41-95°F)]
Noise	< 35dB(A) (no mechanical moving parts)
IP rating	IP20
Pollution degree rating	2 (with no aromatic compounds)
Altitude	< 2000m

\*1 Atmospheric Dew Point (ADP)

### Ordering codes

#### Gas Generators

6920.50.350 NG CASTORE PRO 350

#### Options

6920.50.002 O2 sensor option (%) for CASTORE PRO

#### Accessories

6920.50.000 50 L Nitrogen tank with pressure regulator and safety valve

#### Consumable

6930.00.073 Filter elements 8000H for CASTORE PRO / BASIC 350



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