

NG CASTORE XS iQ

Membrane Nitrogen generator with
Scroll compressor integrated.
Electronic controlled

The NitroGen series **NG CASTORE XS iQ** are Membrane Nitrogen Generators. They are engineered to transform standard compressed air into a safe, regulated supply of Nitrogen up to 32 L/min with a purity up to 99.8%.

This NG series is equipped with a scroll built-in oil less compressor with inverter technology.

The exclusive electronic flow control combined with the compressor control by the inverter allows to generate Nitrogen with a higher purity using a smaller volume at less pressure of air which results in reduced energy costs and increase the life time of the compressor. Continuous control of the operating parameters of Nitrogen allows to maintain the system at its maximum efficiency.

The CASTORE iQ 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
- ✓ Ultra silent technology: <48 dB(A)
- ✓ Reliable – No vibrations
- ✓ Designed to run 24 hours a day





Specifications

Models: NG CASTORE XS iQ	32
N2 outlet	
Flow rate (Max)	32 l/min
Outlet pressure (Max)	8 Bar
Nitrogen purity	LCMS grade (up to 99.8%*1)
Communication	
LCD with touch screen	Standard
RS485	Standard
RS232	Standard
General data	
Power supply voltage	Single phase 220-240 Vac 50/60 Hz (100-115Vac 50/60Hz optional)
Connection type	IEC C20
Rated power (max)	1.4 kW
Net weight	135 kg
Noise level	<48dB(A)
Dimensions (W x D x H) mm	505 x 830 x 600
Connections	
N2 outlet port	¼" BSPP female
Dry Air outlet 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)
IP rating	IP20
Pollution degree rating	2 (with no aromatic compounds)

*1 The purity refers to the residual oxygen, depends on flow and working pressure

Ordering codes

Gas Generators

6920.80.017 NG CASTORE XS iQ 32

Accessories

6920.71.30 Box with 2 pressure regulator

Options

6920.71.10 Module for 100-115Vac 50/60Hz

6930.00.018 Electronic flow measurement

6920.71.50 WiFi Module

6920.50.012 O2 sensor option (%)

6930.00.015 Carbon column for NG CASTORE iQ

Consumable

6930.01.001 Filter elements for NG CASTORE iQ without carbon column installed

6930.01.002 Filter elements for NG CASTORE iQ with carbon column installed

6930.01.000 Carbon column for NG CASTORE iQ



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