

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 36l/min with a purity up to 99.9%.

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.



N₂
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Main applications

- LCMS
- Solvent evaporation

Main advantages

- ✓ Compatible with all LCMS
- ✓ Low noise
- ✓ Low maintenance
- ✓ Generates nitrogen on demand
- ✓ Exclusive electronic flow control
- ✓ Ultra silent technology: <48 dB(A)
- ✓ No vibrations
- ✓ Reliable – Designed to run 24 hours a day





Specifications

Models: NG CASTORE XS iQ	18	36
N2 outlet		
Flow rate (Max)	18 l/min	36 l/min
Outlet pressure (Max)	8 Bar (115 psi)	
Nitrogen purity ^{*1}	LCMS grade (up to 99.9%)	
Dew point ^{*2}	< -60°C (<-76°F)	
Communication		
LCD with touch screen	Standard	
RS485	Standard	
RS232	Standard	
General data		
Power supply voltage (min...Max)	190..250 Vac 47..63 Hz (190-250 Vac models)	
	100..250 Vac 47..63 Hz (FULL RANGE power supply voltage models)	
Connection type	IEC C20	
Rated power (max)	1.2 kW	1.4 kW
Net weight	135 kg (190-250 Vac models)	
	145 kg (FULL RANGE power supply voltage models)	
Noise level	< 48dB(A)	< 50dB(A)
Heat value (BTU)	4100	4780
Dimensions (W x D x H)	51 x 85 x 69 cm	
Connections		
N2 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

*2 Atmospheric Dew Point (ADP)

Ordering codes

Gas Generators

6920.80.18 NG CASTORE XS iQ 18 (190-250 Vac models)
 6920.80.36 NG CASTORE XS iQ 36 (190-250 Vac models)

6920.80.18.1 NG CASTORE XS iQ 18 (100-250 Vac models)
 FULL RANGE power supply voltage
 6920.80.36.1 NG CASTORE XS iQ 36 (100-250 Vac models)
 FULL RANGE power supply voltage

Accessories

6920.71.30 Box with 2 pressure regulator

Options

6930.00.018 Electronic flow measurement
 6920.71.50 WiFi Module
 6920.50.012 O2 sensor option (%)

Consumable

6930.00.170 Filter elements for NG CASTORE XS iQ

For further information or to trial the equipment, please contact us:

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LNI Swissgas

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