

NG CASTORE XS iQ

Membrane Nitrogen generator with integrated direct drive Scroll compressor. 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.



H
N₂
A

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, 220-240 Vac models

Models: NG CASTORE XS iQ	15	18	24	36
	6920.80.15	6920.80.18	6920.80.24	6920.80.36
N2 outlet				
Flow rate (Max)	15 l/min	18 l/min	24 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)	220-240 Vac (±10%) 50/60 Hz			
Connection type	IEC C20			
Rated power (max)	1.2 kW	1.3 kW	1.4 kW	1.8 kW
Net weight	135 kg			
Noise level	< 48dB(A)		< 50dB(A)	
Heat value (BTU)	4100	4440	4800	6150
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% [5-35°C (41-95°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

6920.80.15	NG CASTORE XS iQ 15
6920.80.18	NG CASTORE XS iQ 18
6920.80.24	NG CASTORE XS iQ 24
6920.80.36	NG CASTORE XS iQ 36

(220-240 Vac models)

Accessories

6920.71.30 Box with 2 pressure regulator

Options

6920.71.50 WiFi Module for CASTORE XL
6920.50.012 O2 sensor option (%) for CASTORE XL

Consumable

6930.00.170 Filter elements for NG CASTORE XS iQ



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