

# 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.



## 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, FULL RANGE models (115-240 Vac)



Models: NG CASTORE XS iQ	18	24	36
	6920.80.18.1	6920.80.24.1	6920.80.36.1
<b>N2 outlet</b>			
Flow rate (Max)	18 l/min	24 l/min	36 l/min
Outlet pressure (Max)	8 Bar (115 psi)		
Nitrogen purity <sup>*1</sup>	LCMS grade (up to 99.9%)		
Dew point <sup>*2</sup>	< -60°C (<-76°F)		
<b>Communication</b>			
LCD with touch screen	Standard		
RS485	Standard		
RS232	Standard		
<b>General data</b>			
Power supply voltage (min-Max)	115-240 Vac (±10%) 50/60 Hz		
Connection type	IEC C20		
Rated power (max)	1.2 kW	1.3 kW	1.5 kW
Net weight	145 kg		
Noise level	< 48dB(A)	< 50dB(A)	
Heat value (BTU)	4100	4440	5130
Dimensions (W x D x H)	51 x 85 x 69 cm		
<b>Connections</b>			
N2 outlet port	¼" BSPP female		
Drain port	¼" 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)]		
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

6920.80.18.1	NG CASTORE XS iQ 18
6920.80.24.1	NG CASTORE XS iQ 24
6920.80.36.1	NG CASTORE XS iQ 36

**(115-240 Vac models)**  
**FULL RANGE power supply voltage**

#### 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



**LNI Swissgas**  
www.lni-swissgas.eu