NG CASTORE XL iQ





Membrane Nitrogen generator with integrated direct drive Scroll compressor.

Electronic controlled

The NitroGen series **NG CASTORE XL iQ** use Membrane technology.

They are engineered to transform standard compressed air into a safe, regulated supply of Nitrogen up to 70 L/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 new **iQ** series is equipped with the innovative direct drive motor-compressor system that result in lower noise than the previous version.

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 XL 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
- Agilent MP AES

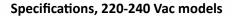
Main advantages

- Compatible with all LCMS
- ✓ 200 cc/min UHP Nitrogen for collision cell
- ✓ Low noise
- ✓ Low maintenance
- ✓ No belts, direct drive
- ✓ Generates nitrogen on demand
- Exclusive electronic flow control
- ✓ Ultra silent technology: < 50 dB(A)</p>
- ✔ Reliable No vibrations
- ✔ Designed to run 24 hours a day











Models: NG CASTORE XL iQ	20	40	70
Widdels: NG CASTORE XL IQ	6920.70.20	6920.70.40	6920.70.70
N2 outlet			
Flow rate (Max)	20 l/min	40 l/min	70 l/min
Outlet pressure (Max)	9 Bar	8 B	ar
Nitrogen purity	LCMS grade (up to 99.9%*1)		
Nitrogen for collision cell*2	200 cc/min @ 99.9999%*3 with option 6920.71.90		
Communication			
LCD with touch screen		Standard	
RS485	Standard		
RS232		For service	
General data			
Power supply voltage (min-Max)	220-240 Vac (±10%) 50/60 Hz		
Connection type		IEC C20	
Rated power(Max)	1.4 KW	1.8 KW	2.2 KW
Net weight	175 kg	175 kg	175 kg
Noise level	< 45 dB		< 50 dB
Heat value (BTU)	4800	6150	7510
Dimensions (W x D x H)		59 x 92 x 73 cm	
Connections			
N2 outlet port	1/4" BSPP female		
N2 UHP 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

Ordering codes

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Gas	Gen	erato	rs

6920.70.20	NG CASTORE XL IQ 20	
6920.70.40	NG CASTORE XL iQ 40	(220-240 Vac models)
6920.70.70	NG CASTORE XL iQ 70	

Box with 2 pressure regulator

Accessories 6920.71.30

6920.71.40	Box with 3 pressure regulator
Options	
6920.71.50	WiFi Module for CASTORE XL
6920.50.012	O2 sensor option (%) for CASTORE XL
6920.71.80	Carbon column for NG CASTORE XL
6920.71.90	Ultra High Purity N2 module 200 cc/min
Consumable	
6930.00.141	Filter elements for NG CASTORE XL without carbon column installed
6930.00.148	Filter elements for NG CASTORE XL with carbon column installed
6930 00 147	Carbon filter column for NG CASTORE XI

NOTE: 8000H for NG CASTORE XL 20 models 4000H for NG CASTORE XL 40 and 70 models For further information or to trial the equipment, please contact us:



Tel: **01322 285850**

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^{*2} Optional, see below

^{*3} The purity refers to the residual oxygen