

NGA CASTORE XL iQ

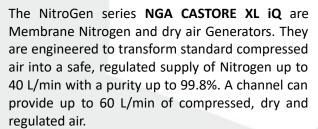
Membrane Nitrogen & dry Air generator with integrated direct drive Scroll compressor. Electronic controlled

> Main applications **LCMS**

- Solvent evaporation
- Agilent MP AES

Main advantages

- Compatible with all LCMS
- Dual Nitrogen and Air generator
- 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)
- Reliable No vibrations
- Designed to run 24 hours a day



This NGA 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 with its dual Nitrogen and Air outlets 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.









Specifications

Models: NGA CASTORE XL iQ	20.40 6920.70.21.1	40.40 6920.70.41.1	20.60 6920.70.22.1
N2 outlet	0,720.70.21.1	0,720.70.71.1	0520.70.22.1
Flow rate (Max)	20 l/min	40 l/min	20 l/min
Outlet pressure (Max)	•	8 Bar (116 psi)	,
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		
Dry Air outlet			
Flow rate (Max)	40 l/min		60 I/min
Outlet pressure (Max)	8 Bar (116 psi)		
Dew point *4		< -40°C (< -40°F)	
Communication			
LCD with touch screen	Standard		
RS485	Standard		
RS232		For service	
General data			
Power supply voltage (min-Max)	115-240 Vac (±10%) 50/60 Hz		
Connection type	IEC C20		
Nominal power	1.5 KW	1.7 KW	1.7 KW
Net weight	190 kg		
Noise level (Max)	< 50 dB		
Heat value (BTU)	5130	5800	5800
Dimensions (W x D x H)		59 x 92 x 73 cm	
Connections			
N2 outlet port		1/4" BSPP female	
Dry Air outlet port	¼" 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
*2 Optional, see below
*3 The purity refers to the residual oxygen
*4 Atmospheric Dew Point (ADP)

Ordering codes			
Gas Generators			
6920.70.21.1	NGA CASTORE XL iQ 20.40	(445 240) (no modele)	
6920.70.41.1	NGA CASTORE XL iQ 40.40	(115-240 Vac models) FULL RANGE power supply voltage	
6920.70.22.1	NGA CASTORE XL iQ 20.60		
Accessories			
6920.71.30	Box with 2 pressure regulator		
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 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 XL			

