

NGA CASTORE XL IQ SCIEX

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



NGA CASTORE XL iQ SCIEX is a Nitrogen Generator with Membrane technology.

It is engineered to transform standard compressed air into a supply of Nitrogen up to 20 L/min with a purity up to 99.9% and with two additional outlets for dry and clean air. All of these three outlets have its own internal flow/pressure regulator for an appropriate adjustment to guarantee safety and precision.

The CASTORE XL iQ SCIEX with its dual Nitrogen and Air outlets has been developed to meet specific requirements in term of gas, flow, purity and pressure for SCIEX applications.

A special carbon filter is used to remove VOC.

It can be used for LC-MS and the evaporation of solvents in samples being analysed.

The new **iQ** generators are equipped with an innovative direct drive motor-scroll compressor system (oil less) 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.

Main applications

- SCIEX instruments
- Solvent evaporation
- LCMS

Main advantages

- ✓ Compatible with SCIEX instruments
- Carbon filter to remove VOC
- Dual Nitrogen and Air generator
- ✓ 200 cc/min UHP Nitrogen for collision cell
- ✔ Plug & Play
- ✓ Low noise
- ✓ Low maintenance
- ✓ No belts, direct drive
- ✓ Generates nitrogen on demand
- Exclusive electronic flow control with automatic Stand-by function
- ✓ Ultra silent technology: 50 dB(A)
- ✔ Reliable No vibrations
- ✓ Designed to run 24 hours a day







Specifications



Section Sect	Mandala: NICA CACTORE VI IO	sc	CIEX
Flow rate (Max)	Models: NGA CASTORE XL iQ	6920.70.43	6920.70.43.1
N2 purity LCMS grade (up to 99.9%)	N2 outlet		
N2 purity Dew point Seven point N2 purity Nitrogen for collision cell N2 purity Seven point N2 purity Seven point N2 purity Nitrogen for collision cell N2 purity N2 p	Flow rate (Max)	20 L/min	
Nitrogen for collision cell 200 cc/min @ 99.9999% 3 with option 6920.71.90 Ory Air outlet 1	Outlet pressure	8 bar (116 psi)	
Nitrogen for collision cell 2		LCMS grade (up to 99.9%)	
Flow rate (Max			
Flow rate (Max	Nitrogen for collision cell *2	200 cc/min @ 99.9999% *3 with option 6920.71.90	
Outlet pressure (Max)	Dry Air outlet 1		
Service Standard	Flow rate (Max)	30 l/min	
Flow rate (Max) Outlet pressure (Max) Dew point ** Communication LCD with touch screen RS485 RS232 RS232 RFor service WiFi Optional General data Power supply voltage (min-Max) Noise level Rated power Noise level Real value (BTU) Dimensions (W x D x H) Connections N2 outlet port Dry Air outlet port Poperating/storage conditions Temperature Pollution degree rating Pollution degree rating Pollution degree rating Power supply voltage (Max) A Bar (Se psi) A Standard Stand		7 Bar (101 psi)	
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Pollution degree rating 2 (with no aromatic compounds) IP rating IP20		80% [5-35°C (41-95°F)]	
IP rating IP20			
	Pollution degree rating		
	IP rating	IP20	

^{*1 –} Atmospheric Dew Point (ADP)

*2 – Optional, see below

*3 – The purity refers to the residual oxygen

*4 – Min temperature > 10°C to have best performance on O₂ residual content

Ordering codes			
Gas Generators			
6920.70.43	NGA CASTORE XL IQ SCIEX	(220-240 Vac models)	
6920.70.43.1	NGA CASTORE XL IQ SCIEX	(115-240 Vac models)	
		FULL RANGE power supply voltage	
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 XL		

