



N₂
Air

NGA CASTORE XS iQ SHI

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

NGA CASTORE XS iQ SHI is a Nitrogen Generator with Membrane technology.

It is engineered to transform standard compressed air into a safe, regulated supply of Nitrogen and Air up to 40 l/min with a suitable LC-MS purity grade.

The CASTORE XS iQ SHI with its dual Nitrogen and Air outlets has been developed to meet specific requirements in term of gas, flow, purity and pressure for Shimadzu MS instruments such as LC-MS 8040, 8045, 8050, 8060.

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

- Shimadzu instruments
- Solvent evaporation
- LCMS

Main advantages

- ✓ Compatible with Shimadzu MS instruments
- ✓ Carbon filter to remove VOC
- ✓ Dual Nitrogen and Air generator
- ✓ 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

Models: NGA CASTORE XS iQ	SHI
N2 outlet	
Flow rate (Max)	40 l/min Air & N2 combined
Outlet pressure (Max)	8 Bar (115 psi)
Nitrogen purity ^{*1}	LC-MS grade (up to 99,9%)
Dew point ^{*2}	< -30°C (<-22°F)
Communication	
LCD with touch screen	Standard
RS485	Standard
RS232	For service
WiFi	Optional
General data	
Power supply voltage (min-Max)	220-240 Vac ±10% 50/60 Hz (220-240 Vac models) 110-240 Vac ±10% 50/60 Hz (FULL RANGE power supply voltage models)
Connection type	IEC C20
Rated power	1500W
Net weight	135 kg
Noise level	< 50 dB
Heat value (BTU)	< 4780
Dimensions (W x D x H)	51 x 85 x 69 cm
Connections	
N2 outlet port	¼" BSPP female
Dry Air outlet port	¼" BSPP female
Drain port	¼" BSPP female
Operating/storage conditions	
Temperature	5-35°C (41-95°F) ^{*3}
Humidity (max, non condensing)	80% [5-35°C (41-95°F)]
Altitude	up to 4000 m
Over-voltage category	II
Pollution degree rating	2 (with no aromatic compounds)
IP rating	IP20

*1 - The purity refers to the residual oxygen, depends on flow and working pressure

*2 - Atmospheric Dew Point (ADP)

*3 - Min temperature > 10°C to have best performance on O₂ residual content

Ordering codes

Gas Generators

6920.80.37 NGA CASTORE XS iQ SHI

Accessories

6920.71.30 Box with 2 pressure regulator

Options

6920.71.50 WiFi Module

6920.50.012 O₂ sensor option (%)

Consumable

6930.00.170 Filter elements for NG CASTORE XS iQ



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