

NGA CASTORE XL iQ MP AES

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

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

It is engineered to transform standard compressed air into a safe, regulated supply of Nitrogen up to 40 L/min with a purity up to 99.95% plus a second outlet of dry and clean air. A special carbon filter is used to remove VOC.

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

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

- Agilent MP AES
- Solvent evaporation
- LCMS

Main advantages

- ✓ Compatible with MP AES
- ✓ 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 XL iQ		MPAES
N2 outlet		
Flow rate (Max)		40 L/min
Outlet pressure (Max)		9 Bar
O2 Residual		< 500ppm @ 10 L/min < 0.5% @ 30 L/min
Dry Air outlet		
Flow rate (Max)		40 l/min
Outlet pressure (Max)		9 Bar
Dew point		< -30°C
Communication		
LCD with touch screen		Standard
RS485		Standard
RS232		For service
WiFi		Optional
General data		
Power supply voltage		230Vac (±10%) 47..63 Hz (230 Vac only models) 110-240Vac (±10%) 47..63 Hz (full range power supply voltage power supply)
Connection type		IEC C20
Rated power		2200W
Net weight		180 kg (230 Vac only models) 190 kg (full range power supply voltage power supply)
Noise level		< 50 dB
Dimensions (W x D x H) mm		590 x 920 x 730
Connections		
N2 outlet port		¼" SWAGELOK compatible
Dry Air outlet port		¼" SWAGELOK compatible
Drain port		¼" BSPP female
Operating/storage conditions		
Temperature		5-35°C (41-95°F) *1
Humidity (max, non condensing)		80% at 25°C (77°F)
Altitude		up to 4000 m
Pollution degree rating		2 (with no aromatic compounds)
IP rating		IP20

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

Ordering codes

Gas Generators

6920.70.42 NGA CASTORE XL iQ MP AES **230 Vac only**

6920.70.42.1 NGA CASTORE XL iQ MP AES **100-240 Vac
Full range power supply voltage**

Accessories

6920.71.30 Box with 2 pressure regulator

6920.71.40 Box with 3 pressure regulator

Options

6920.71.50 WiFi Module

6920.71.60 Parallel Controller Box with LAN port for NG CASTORE XL

6920.50.012 O2 sensor option (%)

6920.71.80 Carbon column for NG CASTORE XL

Consumable

6930.00.141 Service Kit 8000H for NG CASTORE XL models

6930.00.147 Replacement carbon column for NG CASTORE XL



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