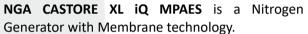
NGA CASTORE XL IQ MP AES

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



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)	8 Bar	
O2 Residual	< 500ppm @ 10 L/min < 0.5% @ 30 L/min	
Dry Air outlet		
Flow rate (Max)	40 l/min	
Outlet pressure (Max)	8 Bar	
Dew point *1	< -30°C (<-22°F)	
Communication		
LCD with touch screen	Standard	
RS485	Standard	
RS232	For service	
WiFi	Optional	
General data		
Davier aventureltana (min May)	190250 Vac 4763 Hz (190-250 Vac models)	
Power supply voltage (minMax)	100250 Vac 4763 Hz (FULL RANGE power supply voltage models)	
Connection type	IEC C20	
Rated power	2200W	
NI - 4 ! - - 4	180 kg (190-250 Vac models)	
Net weight	190 kg(FULL RANGE power supply voltage models)	
Noise level	< 50 dB	
Heat value (BTU)	7510	
Dimensions (W x D x H)	59 x 92 x 73 cm	
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) *2	
Humidity (max, non condensing)		
Altitude	up to 4000 m	
Pollution degree rating	2 (with no aromatic compounds)	
IP rating IP20		

^{*1-} Atmospheric Dew Point (ADP)

Ordering codes

Gas Generators 6920.70.42	NGA CASTORE XL iQ MP AES	(190-250 Vac models)	
6920.70.42.1	NGA CASTORE XL IQ MP AES	(100-250 Vac models) FULL RANGE power supply voltag	
Accessories			
6920.71.30	Box with 2 pressure regulator		
6920.71.40	Box with 3 pressure regulator		
Options			
6920.71.50	WiFi Module		
6920.71.80	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		

For further information or to trial the equipment, please contact us:



Tel: **01322 285850**

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 $^{^{*2}}$ - Min temperature > 10°C to have best performance on O_2 residual content