## NG CASTORE XL MPAES

Membrane Nitrogen generator with Scroll compressor integrated. Electronic controlled

## Main applications

- Agilent MP AES
- **LCMS**
- Solvent evaporation

The NitroGen NG CASTORE XL MPAES is Membrane technology Nitrogen Generator. 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.

The CASTORE XL 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.

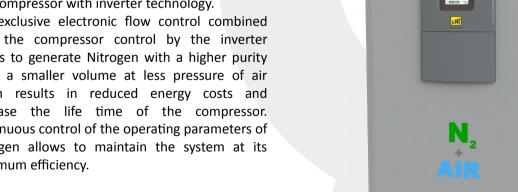
It can be used for LC-MS and the evaporation of solvents in samples being analysed.

This generator is equipped with a scroll built-in oil less compressor 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 advantages

- Compatible with MP AES
- Dual Nitrogen and Air generator
- Low noise
- Low maintenance
- Generates nitrogen on demand
- Exclusive electronic flow control
- Ultra silent technology: 65 dB(A)
- Reliable No vibrations
- Designed to run 24 hours a day











## Specifications

Models: NG CASTORE XL	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	Option
General data	
Power supply voltage	Single phase 220-240 Vac 50/60 Hz (100-115Vac 50/60Hz optional)
Connection type	IEC C20
Rated power	1800W
Net weight	135 kg (145Kg with 100-115Vac)
Noise level	68 dB
Dimensions (W x D x H) mm	590 x 790 x 740H
Connections	
N2 outlet port	¼" SWAGELOK compatible
Dry Air outlet port	¼" SWAGELOK compatible
Drain port	1⁄4" 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

<sup>\*1</sup> – Min temperature > 10°C to have best performance on  $O_2$  residual content

Ordering code	S
Gas Generator	rs
6920.70.42	NG CASTORE XL MP AES
Accessories	
6920.71.30	Box with 2 pressure regulator
6920.71.40	Box with 3 pressure regulator
Options	
6920.71.10	Module for 100-115Vac 50/60Hz
6920.71.50	WiFi Module
6920.71.60	Parallel Controller Box with LAN port for NG CASTORE XL
6920.71.70	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

