

# 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
<b>N2 outlet</b>		
Flow rate (Max)		40 L/min
Outlet pressure (Max)		9 Bar
O2 Residual		< 500ppm @ 10 L/min < 0.5% @ 30 L/min
<b>Dry Air outlet</b>		
Flow rate (Max)		40 l/min
Outlet pressure (Max)		9 Bar
Dew point		< -30°C
<b>Communication</b>		
LCD with touch screen		Standard
RS485		Standard
RS232		For service
WiFi		Option
<b>General data</b>		
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
<b>Connections</b>		
N2 outlet port		¼" SWAGELOK compatible
Dry Air outlet port		¼" SWAGELOK compatible
Drain port		¼" BSPP female
<b>Operating/storage conditions</b>		
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 O<sub>2</sub> residual content

### Ordering codes

#### Gas Generators

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