

NG CASTORE XL (7040)

Membrane Nitrogen generator with
Scroll compressor integrated.
Electronic controlled

The NitroGen series **NG CASTORE XL** are Membrane Nitrogen Generators. They are engineered to transform standard compressed air into a safe, regulated supply of Nitrogen up to 70 L/min with a purity up to 99.8%. An optional channel can provide up to 40 L/min of compressed, dry and regulated air.

This NG series 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.

The CASTORE XL with its dual Nitrogen and Air outlets has been developed to meet specific requirements in term of gas, flow, purity and pressure in LC-MS applications. It can be used for the evaporation of solvents in samples being analysed.

Main applications

- LCMS
- Solvent evaporation
- Agilent MP AES

Main advantages

- ✓ Compatible with all LCMS
- ✓ Dual Nitrogen and Air generator
- ✓ Low noise
- ✓ Low maintenance
- ✓ Generates nitrogen on demand
- ✓ Exclusive electronic flow control
- ✓ Ultra silent technology: 58 dB(A)
- ✓ Reliable – No vibrations
- ✓ Designed to run 24 hours a day





Specifications

Models: NG CASTORE XL	20	40	70	20.40	40.40	20.60
N2 outlet						
Flow rate (Max)	20 l/min	40 l/min	70 l/min	20 l/min	40 l/min	20 l/min
Outlet pressure (Max)	10 Bar					
Nitrogen purity	LCMS grade					
Dry Air outlet						
Flow rate (Max)			-	40 l/min		60 l/min
Outlet pressure (Max)			-	10 Bar		
Dew point			-	< -40°C		
Communication						
LCD with touch screen				Standard		
RS485				Standard		
RS232				For service		
General data						
Power supply voltage	Single phase 220-240 Vac 50/60 Hz (100-115Vac 50/60Hz optional)					
Connection type	Cable 3x2.5mm ² (Cable 3x4.0mm ²)					
Rated power (peak)	2.0 KW (3.0 KW)		2.2 KW (3.5KW)			
Net weight	135 kg (145Kg with 100-115Vac)					
Noise level	58 dB		60 dB			
Dimensions (W x D x H) mm	590 x 790 x 740					
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)					
Humidity (max, non condensing)	80% at 25°C (77°F)					
IP rating	IP20					
Pollution degree rating	2 (with no aromatic compounds)					

Ordering codes

Gas Generators

6920.70.20	NG CASTORE XL 20
6920.70.40	NG CASTORE XL 40
6920.70.70	NG CASTORE XL 70
6920.70.21	NG CASTORE XL 20.40
6920.70.41	NG CASTORE XL 40.40
6920.70.22	NG CASTORE XL 20.60

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
6920.71.20	Electronic pressure control
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



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