



# NG 7040

Membrane Nitrogen generator with  
Scroll compressor integrated.  
Electronic controlled

# NitroGEN

The **NitroGen series 7040** 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 7040 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

### 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

NG 7040	20	40	70	20.40	40.40	20.60
<b>N<sub>2</sub> outlet</b>						
Flow rate (Max)	20 l/min	40 l/min	70 l/min	20 l/min	40 l/min	20 l/min
Outlet pressure (Min; Max)	10 bars					
Nitrogen purity	Up to 99,8					
<b>Dry Air outlet</b>						
Flow rate (Max)	-	-	-	40 l/min	-	60 l/min
Outlet pressure (Max)	-	-	-	-	10 bars	-
Dew point	-	-	-	-	< -40°C	-
<b>Communication</b>						
LCD with touch screen	Standard					
RS485	Standard					
RS232	For service					
<b>General data</b>						
Power supply voltage	Single phase 220-240 Vac 50/60 Hz (100-115Vac 50/60Hz optional)					
Connection type	Cable 3x2.5 mm <sup>2</sup> (Cable 3x4.0 mm <sup>2</sup> )					
Rated power (peak)	2.0 KW (3.0 KW)			2.2 KW (3.5 KW)		
Net weight	135 kg (145 Kg with 100-115 Vac)					
Noise level	58 dB			60 dB		
Dimensions (W x D x H) mm	590 x 710 x 740					
<b>Connections</b>						
N <sub>2</sub> outlet port	¼" BSPP female					
Dry Air outlet port	¼" BSPP female					
Drain port	¼" BSPP female					
<b>Operating/storage conditions</b>						
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)					

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<b>Gas Generators</b>	
6920.70.20	NG 7040-20
6920.70.40	NG 7040-40
6920.70.70	NG 7040-70
6920.70.21	NG 7040-20.40
6920.70.41	NG 7040-40.40
6920.70.22	NG 7040-20.60
<b>Accessories</b>	
6920.71.10	Module for 100-115 Vac 50/60 Hz
6920.71.20	Electronic pressure control
6920.71.30	Box with 2 pressure regulator
6920.71.40	Box with 3 pressure regulator
6920.71.50	WiFi Module
<b>Consumable</b>	
6930.00.141	Service Kit 8000H for 7040 models

## Ordering codes

