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## 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 it's 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.

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### **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
			N, 01	utlet		
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 t	oars		
Nitrogen purity			Up to	99,8		
			Dry Ai	r oulet		
Flow rate (Max)		-		40 l.	/min	60 l/min
Outlet pressure (Max)		-			10 bars	
Dew point		-			< -40ºC	
			Commu	nication		
LCD with touch screen			Stan	dard		
RS485			Stan	dard		
RS232			For se	ervice		
			Genera	al data		
Power supply voltage	Single phase 220-240 Vac 50/60 Hz					
	· · · ·					
Connection type						
Dated power (appl)			(Cable 3x			
	2.0 KW	. ,	ka (14E Kay		. ,	
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Diamport		0.			206	
Temperature		OP			///3	
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	Flow rate (Max) Outlet pressure (Min; Max) Nitrogen purity Flow rate (Max) Outlet pressure (Max) Outlet pressure (Max) Dew point LCD with touch screen RS485 RS232 Power supply voltage	Flow rate (Max)       20 I/min         Outlet pressure (Min; Max)       Nitrogen purity         Flow rate (Max)       Outlet pressure (Max)         Outlet pressure (Max)       Dew point         LCD with touch screen       RS485         RS232       RS232         Power supply voltage       2.0 KW         Noise level       58         Dimensions (W x D x H) mm       58         Dimensions (W x D x H) mm       1000000000000000000000000000000000000	Flow rate (Max)       20 I/min       40 I/min         Outlet pressure (Min; Max)       Nitrogen purity         Flow rate (Max)       -         Outlet pressure (Max)       -         Dew point       -         LCD with touch screen       -         LCD with touch screen       -         RS485       -         Power supply voltage       Singl (10         Connection type       -         Rated power (peak)       2.0 KW (3.0 KW)         Net weight       135         Noise level       58 dB         Dimensions (W x D x H) mm       -         N <sub>2</sub> outlet port       -         Drain port       -         Image: Temperature       -         Humidity (Max, non condensing)       -         IP rating       -	Name       Name       Name       Name         Flow rate (Max)       20 I/min       40 I/min       70 I/min         Outlet pressure (Min; Max)       10 I       10 I         Nitrogen purity       Up to       Dry Ai         Flow rate (Max)       -       0utlet pressure (Max)       -         Outlet pressure (Max)       -       Commu         LCD with touch screen       Stan       Stan         R5485       Stan       Stan         R5232       For set Generation       Generation         Power supply voltage       Single phase 220-(100-115Vac 50)       Connection type         Connection type       Cable 3x       Cable 3x         Connection type       Cable 3x       Cable 3x         Rated power (peak)       2.0 KW (3.0 KW)       Net weight       135 kg (145 Kg w         Noise level       58 dB       Dimensions (W x D x H) mm       590 x 7'         Conneet       % BSPF       Dry Air outlet port       % " BSPF         Dry Air outlet port       % " BSPF       Operating/ston         Drain port       % " BSPF       Generating/ston         IP rating       IP rating       IP	Ng outlet         Flow rate (Max)       20 I/min       40 I/min       70 I/min       20 I/min         Outlet pressure (Min; Max)       10 bars       10 bars         Nitrogen purity       Up to 99,8       Dry Air oulet         Flow rate (Max)       -       40 I         Outlet pressure (Max)       -       40 I         Outlet pressure (Max)       -       -         Dew point       -       -         LCD with touch screen       Standard       Standard         RS485       Standard       RS232         Power supply voltage       Single phase 220-240 Vac 50/6 (100-115Vac 50/60Hz option (100-115Vac 50/70Hz option (Cable 3x2.5 mm² (Cable 3x4.0 mm²)         Rated power (peak)       2.0 KW (3.0 KW)       2.2 KW         Net weight       135 kg (145 Kg with 100-115 Noise level       58 dB         Obimensions (W x D x H) mm       590 x 710 x 740         Connections       %" BSPP female         Dry Air outlet port       %" BSPP female         Dry Air outlet port       %" BSPP female         Drain port       %" BSPP female         Drain port       %" BSPP female         Drain port       %" BSPP femal	N, outlet           Flow rate (Max)         20 I/min         40 I/min         70 I/min         20 I/min         40 I/min           Outlet pressure (Min; Max)         10 bars         10 bars         10 bars           Nitrogen purity         Up to 99,8         Dry Air oulet         10 bars           Flow rate (Max)         -         40 I/min         10 bars           Outlet pressure (Max)         -         10 bars         10 bars           Dew point         -         <

Gas Generators		
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	
	Accessories	
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	
	Consumable	
6930.00.141	Service Kit 8000H for 7040 models	

# Ordering codes



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