

NG CASTORE PRO HP

Membrane Nitrogen generator
electronic controlled

The NitroGen series CASTORE PRO HP are Membrane Nitrogen Generators. They are engineered to transform standard compressed air into a safe, regulated supply of Nitrogen with a purity greater than 99.5%.

The exclusive electronic flow control allows to generate Nitrogen with a higher purity using a smaller volume of air which results in reduced energy costs and maintenance of any external compressor. Continuous control of the operating parameters allows to maintain the system at its maximum efficiency.

The CASTORE PRO HP has been developed to meet specific requirements in term of gas, flow, purity and pressure for ELSD, TOC, ICP, DSC/TGA and other applications. It can be used for the evaporation of solvents in samples being analysed.

Main applications

- ELSD
- TOC
- ICP
- DSC/TGA

Main advantages

- ✓ Nitrogen purity >99.5%
- ✓ Low noise
- ✓ Low maintenance
- ✓ Generates nitrogen on demand
- ✓ Smart energy save mode
- ✓ Exclusive electronic flow control
- ✓ Designed to run 24 hours a day



Specifications



Models: NG CASTORE PRO HP		4	8
N2 outlet			
Flow rate (Max)		4 l/min	8 l/min
Outlet pressure (min / Max)		2.0 bars / Inlet pressure – 0.5 bar	
Nitrogen purity (Inlet Pressure >= 6 bar)		> 99.5 % @ 4 l/min dewpoint < -40°	> 99.5 % @ 8 l/min dewpoint < -40°
Air inlet			
Air inlet requirement		Particulate: <1 micron	
		Dewpoint: < 20°C (68°F) not condensing	
		Oil: <0.01 mg/m³	
Flow rate Max (@7 Bar)		40 L/min	45 L/min
Supply pressure (min / Max)		5 bars / 10bars	
Temperature (min / Max)		1°C (34°F)45°C(113°F)	
Communication			
LCD with touch screen		Standard	
RS485		Standard	
RS232		For service	
General data			
Supply rating		100-240Vac 50/60Hz – 1A	
Connection type		IEC320-C13	
Installation power (max)		25W (30VA)	
Fuse rating		1A -240Vac (5x20mm)	
Net weight		<35 kg	
Dimensions (W x D x H) mm		260 x 280 x 1200	
Connections			
N2 outlet port		¼" BSPP female	
Inlet 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)	
Noise		<25dB(A)	
IP rating		IP20	
Pollution degree rating		2 (with no aromatic compounds)	
Altitude		< 2000m	

Ordering codes

Gas Generators

6920.50.004 CASTORE PRO HP 4

6920.50.008 CASTORE PRO HP 8

Accessories

6920.50.012 O2 sensor option (%)

Consumable

6930.00.140 Service Kit 8000H for CASTORE models



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