

NG CASTORE BASIC

Membrane Nitrogen generator
pneumatic controlled

Main applications

- LCMS
- Solvent evaporation

Main advantages

- ✓ Compatible with all LCMS
- ✓ Generates Nitrogen on demand
- ✓ Designed to run 24 hours a day
- ✓ No electrical parts
- ✓ Low noise with no mechanical moving parts
- ✓ Low maintenance
- ✓ Wall or floor mounting

The NitroGen series NG CASTORE BASIC are Membrane Nitrogen Generators. They are engineered to transform standard compressed air into a safe, regulated supply of Nitrogen with a purity up to 99.5%.

The NG CASTORE BASIC has been developed to meet specific requirements in terms of gas, flow, purity and pressure in LC-MS applications. It can be also used for the evaporation of solvents in samples being analysed.



Specifications



Models: NG CASTORE BASIC		10	25	45	60
N2 outlet					
Flow rate (Max)		10 l/min	25 l/min	45 l/min	60 l/min
Outlet pressure		Up to 7.5 bars			
Nitrogen purity	> 98.5% @ 10l/min	> 98.5% @ 25l/min	> 98.5% @ 45l/min	> 98.5% @ 60l/min	
(Inlet Pressure > 8 bar)	> 99.5% @ 5l/min	> 99.5% @ 10l/min	> 99.5% @ 25l/min	> 99.5% @ 45l/min	
Air inlet					
Air inlet requirement		Particulate: <1 micron			
		Dewpoint: < 20°C (68°F)			
		Oil: <0.01 mg/m³			
Flow rate (Max)		35 l/min	70 l/min	95 l/min	110 l/min
Supply pressure (min; Max)		8 bars; 10 bars			
Temperature (min; Max)		1°C (34°F) / 45°C(113°F)			
General data					
Net weight		<25 kg			
Dimensions (W x D x H)		260 x 280 x 1200 (mm)			
Connections					
N2 Outlet port		¼" BSPP female			
Air Inlet port		¼" BSPP female			
Drain port		¼" BSPP female			
Operating/storage conditions					
Temperature		5-35°C (41-95°F)			
Humidity (Max)		80% at 25°C (77°F) (non condensing)			
Noise		No noise (no mechanical moving parts)			
IP rating		IP20			
Pollution degree rating		2 (with no aromatic compounds)			
Altitude		< 2000m			

Ordering codes

Gas Generators

6920.52.010	CASTORE BASIC 10
6920.52.025	CASTORE BASIC 25
6920.52.045	CASTORE BASIC 45
6920.52.060	CASTORE BASIC 60

Accessories

6920.50.000	50 L Nitrogen tank with pressure regulator and safety valve
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Consumable

6930.00.140	Service Kit 8000H for CASTORE models
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