



NitroGEN

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.

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

Specifications

NG CASTORE BASIC

Membrane Nitrogen generator
pneumatic controlled

NG CASTORE BASIC	10	25	45	60
	N₂ outlet (CURTAIN GAS)			
Flow rate (Max)	10 l/min	25 l/min	45 l/min	60 l/min
Outlet pressure	Up to 7.5 bars			
Nitrogen purity (Inlet Pressure > 8 bar)	>98.5% @ 10 l/min	>98.5% @ 25 l/min	>98.5% @ 45 l/min	>98.5% @ 60 l/min
	>99.5% @ 5 l/min	>99.5% @ 10 l/min	>99.5% @ 25 l/min	>99.5% @ 45 l/min
	Air inlet			
Air inlet requirement	Particulate: <1 micron			
	Dewpoint: <20°C (68°F)			
	Oil: <0.01 mg/m ³			
Flow rate (Max)	110 l/min	125 l/min	190 l/min	205 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			
N ₂ 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	<2000 m			

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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Ordering codes

