

NG CASTORE BASIC 180

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 98.5%.

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



Model	NG CASTORE BASIC 180	
N2 outlet		
Flow rate (Max)		180 l/min
Outlet pressure		Up to 7.5 bars
Nitrogen purity (Inlet Pressure > 8 bar)		> 98.5% @ 180 l/min
Air inlet		
Air inlet requirement		Particulate: <1 micron
		Dewpoint: < 20°C (68°F)
		Oil: <0.01 mg/m ³
Flow rate (Max)		615 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		<50 kg
Dimensions (W x D x H)		500 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

6920.52.180 CASTORE BASIC 180

Accessories

6920.50.000 50 L Nitrogen tank with pressure regulator and safety valve

Consumable

6930.00.140 Service Kit 8000H for CASTORE models



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