

NG CASTORE BASIC 150 - 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		150	180
N2 outlet			
Flow rate (Max)	150 l/min		180 l/min
Outlet pressure	Up to 7.5 bars		
Nitrogen purity (Inlet Pressure > 8 bar)	> 98.5% @ 150 l/min LCMS Grade		> 98.5% @ 180 l/min LCMS Grade
Air inlet			
Air inlet requirement	Particulate: <1 micron		
	Dewpoint: < 20°C (68°F)		
	Oil: <0.01 mg/m³		
Flow rate (Max)	405 l/min		450 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

6920.52.150 CASTORE BASIC 150

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



LNI Swissgas

www.lni-swissgas.eu

Registered office: Via Sassoferato 1, 20135 Milano MI

Logistics centre: Via E. Mattei 9, 35038 Torreglia PD