

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	350
N2 outlet				
Flow rate (Max)	150 l/min		180 l/min	350 l/min
Outlet pressure	Air Inlet pressure – 0.5 bars			Air Inlet pressure – 1.0 bars
Nitrogen purity (Inlet Pressure > 8 bar)	> 98.5% @ 150 l/min > 99% @ 120 l/min LCMS Grade	> 98.5% @ 180 l/min LCMS Grade		Up to 95% LCMS Grade
Air inlet				
Air inlet requirement	Particulate: <1 micron			
	Dewpoint: < -20°C (68°F)			
	Oil: <0.01 mg/m³			
Flow rate (Max)	250 l/min @ 150 l/min N2 220 l/min @ 120 l/min N2	310 l/min @ 180 l/min N2		610 l/min @ 350 l/min N2
Supply pressure (min / Max)	5 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
6920.52.350	CASTORE BASIC 350

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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