

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 (Inlet Pressure > 8 bar)	> 98.5% @ 10l/min > 99.5% @ 5l/min	> 98.5% @ 25l/min > 99.5% @ 10l/min	> 98.5% @ 45l/min > 99.5% @ 25l/min	> 98.5% @ 60l/min > 99.5% @ 45l/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				
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

Consumable

6930.00.140 Service Kit 8000H for CASTORE models



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