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# NG CASTORE BASIC 350

Membrane Nitrogen generator  
pneumatic controlled

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



<b>Model: NG CASTORE BASIC</b>	<b>350</b>
<b>N2 outlet</b>	
Flow rate (Max)	350 l/min
Outlet pressure (Max)	Air Inlet pressure – 1.0 bar
Nitrogen purity <i>Inlet Pressure &gt; 8 bar (116 psi)</i>	96% .. 99.5% LCMS Grade
<b>Air inlet</b>	
Air inlet requirement	ISO 8573-1:2010 Class [2:4:1]
Flow rate (Max)	880 l/min @ 350 l/min N2
Supply pressure (min / Max)	5 bars (72.5 psi) / 10 bars (145 psi)
Temperature (min / Max)	1°C (34°F) / 45°C (113°F)
<b>General data</b>	
Net weight	< 50 kg
Dimensions (W x D x H)	35 x 34 x 145 cm
<b>Connections</b>	
N2 Outlet port	1/2" BSPP female
Air Inlet port	1/2" BSPP female
Drain port	1/4" BSPP female
<b>Operating/storage conditions</b>	
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

6920.52.350 CASTORE BASIC 350

#### Consumable

6930.00.073 Filter elements 8000H for CASTORE BASIC 350