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# NG CASTORE

## BASIC 150 – 180 – 200

### 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%. 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



Model: NG CASTORE BASIC	150	180	200
<b>N2 outlet</b>			
Flow rate (Max)	150 l/min	180 l/min	200 l/min
Outlet pressure	Air Inlet pressure – 0.5 bars		Air Inlet pressure – 0.7 bars
Nitrogen purity <i>Inlet Pressure &gt; 8 bar (116 psi)</i>	> 98.5% @ 150 l/min > 99% @ 120 l/min LCMS Grade	> 98.5% @ 180 l/min LCMS Grade	> 97.5% @ 200 l/min LCMS Grade
<b>Air inlet</b>			
Air inlet requirement	ISO 8573-1:2010 Class [2:4:1]		
Flow rate (Max)	400 l/min @ 150 l/min N2 380 l/min @ 120 l/min N2	540 l/min @ 180 l/min N2	640 l/min @ 200 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 120 cm		
<b>Connections</b>			
N2 Outlet port	1/4" BSPP female		
Air Inlet port	1/4" 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

6920.52.150 CASTORE BASIC 150

6920.52.180 CASTORE BASIC 180

6920.52.200 CASTORE BASIC 200

#### Accessories

6920.50.000 50 L Nitrogen tank with pressure regulator and safety valve

#### Consumable

6930.00.140 Filter elements 8000H for CASTORE BASIC / PRO