

# 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	25,40	45	45,40	60
<b>N2 outlet</b>						
Flow rate (Max)	10 l/min	25 l/min	25 l/min	45 l/min	45 l/min	60 l/min
Outlet pressure (Max)	Inlet pressure – 1bar (14 psi)					
Nitrogen purity <i>Inlet Pressure &gt; 8 bar (116 psi)</i>	> 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
<b>AIR outlet</b>						
Flow rate (Max)	-	-	40 L/min	-	40 L/min	-
Outlet pressure (Max)	-	-	Inlet pressure – 1Bar (14 psi)	-	Inlet pressure – 1Bar (14 psi)	-
<b>Air inlet</b>						
Air inlet requirement	ISO 8573-1:2010 Class [2:4:1]					
Flow rate (Max)	35 l/min	70 l/min	130l/min	95 l/min	160 l/min	110 l/min
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	< 35 kg					
Dimensions (W x D x H)	28 x 35 x 120 cm					
<b>Connections</b>						
N2 Outlet port	¼" BSPP female					
Air Outlet port (model xx.40)	¼" BSPP female					
Air Inlet port	¼" BSPP female					
Drain port	¼" 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

6920.52.010	CASTORE BASIC 10
6920.52.025	CASTORE BASIC 25
6920.52.026	CASTORE BASIC 25.40
6920.52.045	CASTORE BASIC 45
6920.52.046	CASTORE BASIC 45.40
6920.52.060	CASTORE BASIC 60

#### Options

6920.50.013	Dryer for CASTORE BASIC
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#### Accessories

6920.50.000	50 L Nitrogen tank with pressure regulator and safety valve
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#### Consumable

6930.00.140	Filter elements 8000H for CASTORE BASIC / PRO
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**LNI Swissgas**

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