



# NitroGEN

The NitroGen series **NG CASTORE 3G** 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%. An optional channel can provide up to 26 l/min of compressed, dry and regulated air.

The **NG CASTORE 3G** with its dual Nitrogen and Air outlets has been developed to meet specific requirements in term of gas, flow, puri-

ty and pressure in LC-MS applications. It can be 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

## NG CASTORE 3G

Membrane Nitrogen generator

NG CASTORE 3G	10	25	45	60
<b>N<sub>2</sub> outlet (CURTAIN GAS)</b>				
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% @ 10 l/min	>98.5% @ 25 l/min	>98.5% @ 45 l/min	>98.5% @ 60 l/min
	>99.5% @ 5 l/min	>99.5% @ 10 l/min	>99.5% @ 25 l/min	>99.5% @ 45 l/min
<b>AIR outlet (GAS 1 / GAS 2)</b>				
Flow rate (Max)	26 l/min			
Outlet pressure	Up to 7.5 bars			
<b>AIR outlet (EXHAUST)</b>				
Flow rate (Max)	25 l/min			
Outlet pressure	Up to 7.5 bars			
<b>Air inlet</b>				
Air inlet requirement	Particulate: <1 micron			
	Dewpoint: <20°C (68°F)			
	Oil: <0.01 mg/m <sup>3</sup>			
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)			
<b>General data</b>				
Net weight	<25 kg			
Dimensions (W x D x H)	260 x 280 x 1200 (mm)			
<b>Connections</b>				
GAS 1/GAS 2 port	¼" BSPP female			
EXHAUST port	¼" BSPP female			
CURTAIN GAS port	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	<2000 m			

### Gas Generators

6920.51.010	CASTORE 3G 10
6920.51.025	CASTORE 3G 25
6920.51.045	CASTORE 3G 45
6920.51.060	CASTORE 3G 60

### Accessories

6920.50.000	50 l Nitrogen tank with pressure regulator and safety valve
6920.50.005	Dual 25 l Nitrogen + 25 l Air Tank with pressure regulator and safety valve

### Consumable

6930.00.140	Service Kit 8000H for CASTORE models
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## Ordering codes

