

NG CASTORE 3G

Membrane Nitrogen generator

- 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 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, purity and pressure in LC-MS applications. It can be used for the evaporation of solvents in samples being analysed.



Smart **Gas** Generators



Specifications

Models: NG CASTORE 3G	10	25	40	60
N2 outlet (CURTAIN GAS)				
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 outlet (GAS1 / GAS2)*				
Flow rate (Max)	26 l/min	26 l/min	26 l/min	26 l/min
Outlet pressure	Up to 7.5 bars			
AIR outlet (EXHAUST)*				
Flow rate (Max)	25 l/min	25 l/min	25 l/min	25 l/min
Outlet pressure	Up to 7.5 bars			
Air inlet				
Air inlet requirement	Particulate: <1 micron			
	Dewpoint: < 20°C (68°F)			
	Oil: <0.01 mg/m ³			
Flow rate (Max)	135 l/min	150 l/min	170 l/min	185 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				
GAS1 / GAS2 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			
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			

* no internal drying system, Outlet dewpoint = Air Inlet dewpoint.

Main applications

- LC-MS
- Solvent evaporation

Smart Gas Generators



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