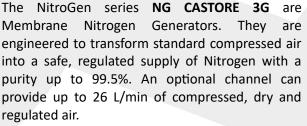
NG CASTORE 3G Membrane Nitrogen generator

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 NG CASTORE 3G with it's 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.





Specifications



Models: NG CASTORE 3G	10	25	45	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 (108 psi)			
Nitrogen purity	> 98.5% @ 10l/min	> 98.5% @ 25l/min	> 98.5% @ 45l/min	> 98.5% @ 60l/mi
(Inlet Pressure > 8 bar)	> 99.5% @ 5l/min	> 99.5% @ 10l/min	> 99.5% @ 25l/min	> 99.5% @ 45l/mi
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 (108 psi)			
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 (108 psi)			
Air inlet				
Air inlet requirement	ISO 8573-1:2010 Class [2:4:1]			
Flow rate (Max)	110 l/min	125 l/min	190 l/min	205 l/min
Supply pressure (min; Max)	8 bars (116 psi); 10 bars (145 psi)			
Temperature (min; Max)	1°C (34°F) / 45°C (113°F)			
General data				
Net weight	< 35 kg			
Dimensions (W x D x H)	28 x 35 x 120 cm			
Connections				
GAS1 / GAS2 port	1/2" BSPP female			
EXHAUST port	1/4" BSPP female			
CURTAIN GAS port	1/4" BSPP female			
Air Inlet port	1/4" BSPP female			
Drain port		1/4" BSPF	P female	
Operating/storage conditions				
Temperature			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			

Ord	ering	codes

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 25L Nitrogen + 25L Air Tank With pressure regulator and safety valve
Consumable	
6930.00.140	Service Kit 8000H for CASTORE models



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