

NG CASTORE DT

Membrane Nitrogen generator
pneumatic controlled

The NitroGen series NG CASTORE DT 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 DT 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
- ✓ Nitrogen purity up to 99.5%
- ✓ Low noise
- ✓ Low maintenance
- ✓ Generates nitrogen on demand
- ✓ Exclusive electronic flow control
- ✓ Designed to run 24 hours a day





Specifications

Models: NG CASTORE DT	10	35
N2 outlet		
Flow rate (Max)	10 l/min	35 l/min
Outlet pressure (Max)	Inlet pressure – 0.5bar	
Nitrogen purity (Inlet Pressure > 8 bar)	> 96% @ 10 l/min > 98% @ 5 l/min > 99.5% @ 3 l/min	> 95% @ 35 l/min > 98% @ 15 l/min > 99.5% @ 9 l/min
Dew point *1	< -60°C (-76°F)	
Air inlet		
Air inlet requirement	ISO8573 – 1:2010 Class 1.4.1	
Flow rate (Max)	30 l/min	105 l/min
Supply pressure (min; Max)	5 bars; 10bars	
Temperature (min; Max)	1°C (34°F); 45°C (113°F)	
Communication		
LED interface	Standard	
RS485	Standard	
RS232	For service	
General data		
Supply rating	100-240Vac (±10%) 47..63 Hz – 1A	
Connection type	IEC320-C14	
Installation power (Max)	25W (30VA)	
Fuse rating (5x20mm)	1A (250Vac – T)	
Net weight	<25 kg	
Dimensions (W x D x H)	36 x 65 *2 x 15 cm	
Connections		
N2 outlet	¼" BSPP female	
Inlet	¼" BSPP female	
Operating/storage conditions		
Temperature	5-35°C (41-95°F)	
Humidity (max, non condensing)	80% at 25°C (77°F)	
Noise	<25dB(A)	
IP rating	IP20	
Pollution degree rating	2 (with no aromatic compounds)	
Altitude	< 2000m	

*1 Atmospheric Dew Point (ADP)

*2 D= 710 mm with external filters

Ordering codes

Gas Generators

6920.51.110 CASTORE DT 10

6920.51.135 CASTORE DT 35

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

6930.00.149 Filter element for CASTORE DT



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