

# 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
<b>N2 outlet</b>		
Flow rate (Max)	10 l/min	35 l/min
Outlet pressure (Max)	Inlet pressure – 0.5bar (7.2 psi)	
Nitrogen purity	> 96% @ 10 l/min	> 95% @ 35 l/min
Inlet Pressure > 8 bar (116 psi)	> 98% @ 5 l/min	> 98% @ 15 l/min
	> 99.5% @ 3 l/min	> 99.5% @ 9 l/min
Dew point <sup>*1</sup>	< -60°C (-76°F)	
<b>Air inlet</b>		
Air inlet requirement	ISO8573 – 1:2010 Class [1.3.1]	
Flow rate (Max)	30 l/min	105 l/min
Supply pressure (min; Max)	5 bars (72.5 psi); 10bars (145 psi)	
Temperature (min; Max)	1°C (34°F); 45°C (113°F)	
<b>Communication</b>		
LED interface	Standard	
RS485	Standard	
RS232	For service	
<b>General data</b>		
Supply rating	100-240Vac (±10%) 47..63 Hz – 1A	
Connection type	IEC320-C14	
Nominal power (Max)	25W (30VA)	
Fuse rating (5x20mm)	1A (250Vac – T)	
Net weight	< 25 kg	
Dimensions (W x D x H)	36 x 65 <sup>*2</sup> x 15 cm	
<b>Connections</b>		
N2 outlet	¼" BSPF female	
Inlet	¼" BSPF female	
<b>Operating/storage conditions</b>		
Temperature	5-35°C (41-95°F)	
Humidity (max, non condensing)	80% at 25°C (77°F)	
Noise	< 35dB(A)	
IP rating	IP20	
Pollution degree rating	2 (with no aromatic compounds)	
Altitude	< 2000m	

<sup>\*1</sup> Atmospheric Dew Point (ADP)

<sup>\*2</sup> 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



LNI Swissgas

www.lni-swissgas.eu

LNI Swissgas Srl

Registered office: Via Sassoferato 1, 20135 Milano MI

Logistics centre: Via E. Mattei 9, 35038 Torreglia PD