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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



Plow rate (Max) 10 l/min Inlet pressure - 0.5bar 96% @ 10 l/min 98% @ 5 l/min 99.5% @ 3 l/min 100.240Vac (±10%) 47 Connection type 12.00.240Vac (±10%) 47 Connection type Connection t	> 95% @ 35 I/min > 98% @ 15 I/min > 99.5% @ 9 I/min) ss [1.3.1] 105 I/min s (145 psi)
Outlet pressure (Max) Nitrogen purity Inlet Pressure > 8 bar (116 psi) Dew point *1 Air inlet Air inlet requirement Flow rate (Max) Supply pressure (min; Max) Temperature (min; Max) LED interface RS485 RS232 General data Supply rating Connection type Inlet pressure - 0.5bar > 96% @ 10 l/min > 98% @ 5 l/min > 99.5% @ 3 l/min SO8573 - 1:2010 Class SO857	(7.2 psi) > 95% @ 35 l/min > 98% @ 15 l/min > 99.5% @ 9 l/min) ss [1.3.1] 105 l/min s (145 psi)
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Fuse rating (5x20mm) 1A (250Vac – T	
	-)
Net weight < 25 kg	
Dimensions (W x D x H) 36 x 65 *2 x 15 c	m
Connections	
N2 outlet %" BSPP femal	e
Inlet ¼" BSPP femal	e
Operating/storage conditions	
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 con	mpounds)
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

