

NG CASTORE MP 4000

Gas station for Agilent hybrid system
pneumatic controlled with tanks

The NitroGen series CASTORE MP 4000 are Membrane Nitrogen Generators. They are engineered to transform standard compressed air into a safe and regulated supply of Nitrogen with a purity up to 99.9%.

An additional channel can provide up to 40 L/min of compressed, dry and regulated air.

The CASTORE MP 4000 with its dual Nitrogen and Air outlets has been developed to meet specific requirements in term of gas, flow, purity and pressure for Agilent MP AES 4xxx series. It can be used for the evaporation of solvents in samples being analysed.

Main applications

- Agilent MP AES 4xxxx
- LCMS
- Solvent evaporation

Main advantages

- ✓ Nitrogen + Air generator for Agilent MP AES 4xxx
- ✓ Compatible with all LCMS
- ✓ Dual Nitrogen and Air generator
- ✓ Low noise with no mechanical moving parts
- ✓ Low maintenance
- ✓ Generates nitrogen on demand
- ✓ Designed to run 24 hours a day





Specifications

Model: NG CASTORE MP 4000	
N2 outlet	
Flow rate (Max)	30 l/min
Outlet pressure (min / Max)	2.0 bars / Inlet pressure – 1.0 bar (14.5 psi)
Nitrogen purity	> 99.9 % @ 25 l/min
<i>Inlet Pressure >= 8 bar (116 psi)</i>	> 99.7 % @ 30 l/min
Internal tank capacity	10 L
Dry Air outlet	
Flow rate (Max)	40 l/min
Outlet pressure	Inlet pressure – 1.0 bar (14.5 psi)
Dew point *1	< -30°C (-22°F)
Internal tank capacity	10 L
Air inlet	
Air inlet requirement	ISO 8573-1:2010 Class [2:4:1]
Flow rate (Max)	170 l/min
Supply pressure (min / Max)	7 bars (101 psi) / 10 bars (145 psi)
Temperature (min / Max)	1°C (34°F); 45°C(113°F)
General data	
Supply rating	100-240Vac (±10%) 47..63 Hz
Connection type	IEC320-C14
Nominal power (Max)	25W (30VA)
Fuse rating (5x20mm)	1A (250Vac – T)
Net weight	< 40 kg
Dimensions (W x D x H)	48 x 35 x 120 cm
Connections	
N2 outlet port	¼" BSPP female
Dry Air outlet port	¼" BSPP female
Inlet port	¼" BSPP female
Drain port	¼" BSPP female
Operating/storage conditions	
Temperature	5-35°C (41-95°F)*2
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	up to 4000m

*1 Atmospheric Dew Point (ADP)

*2 Min temperature > 10°C to have best performance on O2 residual content

Ordering codes

Gas Generators

6920.51.030D CASTORE MP 4000

Consumable

6930.00.140 Service Kit 8000H for CASTORE models



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