

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 optional 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 terms 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
Nitrogen purity	> 99.9 % @ 25 l/min
(Inlet Pressure >= 8 bar)	> 99.7 % @ 30 l/min
Internal tank capacity	10 L

Dry Air outlet

Flow rate (Max)	40 l/min
Outlet pressure	Inlet pres. - 1.0bar
Dew point	< -30°C (-22°F)
Internal tank capacity	10 L

Air inlet

Air inlet requirement	Particulate: <1 micron
	Dewpoint: < -5°C (23°F)
	Oil: <0.01 mg/m ³
Flow rate (Max)	170 l/min
Supply pressure (min / Max)	7 bars / 10bars
Temperature (min / Max)	1°C (34°F); 45°C(113°F)

General data

Net weight	<40 kg
Dimensions (W x D x H) mm	400 x 280 x 1200

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) ^{*1}
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	up to 4000m

*1 – 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

Registered office: Via Sassoferato 1, 20135 Milano MI
Logistics centre: Via E. Mattei 9, 35038 Torreglia PD