



NitroGEN

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 30 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 4xxx
- 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

NG CASTORE MP 4000

Gas station for Agilent hybrid system
pneumatic controlled with tanks

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 + 10 l
	Dry Air outlet
Flow rate (Max)	30 l/min
Outlet pressure	Inlet pres. - 1.0 bar
Dew point	<-20°C (-4°F)
Internal tank capacity	10 l
	Air inlet
Air inlet requirement	Particulate: <1 micron Dewpoint: < 5°C (41°F) Oil: <0.01 mg/m ³
Flow rate (Max)	170 l/min
Supply pressure (Min; Max)	7 bars / 10 bars
Temperature (Min; Max)	1°C (34°F); 45°C (113°F)
	General data
Net weight	<30 kg
Dimensions (W x D x H) mm	400 x 280 x 1200
	Connections
N ₂ 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)
Humidity (Max, non condensing)	80% at 25°C (77°F)
Noise	<25 dB(A)
IP rating	IP20
Pollution degree rating	2 (with no aromatic compounds)
Altitude	<2000 m

	Gas Generators
6920.51.030D	CASTORE MP 4000
	Consumable
6930.00.140	Service Kit 8000H for CASTORE models

Ordering codes

