

# CALYPSO 2G.VA

N<sub>2</sub>/Air Gas Generator LCMS for Varian

Reference : CALYPSO.2G/1.VA (With compressor)



## Description

The CALYPSO 2G.VA is a dual flow generator suitable for use with both ionization modes of the Varian LC/MS instruments. The generator employs a pressure swing adsorption technique to deliver continuous streams of clean, dry nitrogen and air without the need for secondary purification. When operating the LC/MS in positive ionization mode, nitrogen is used for drying, auxiliary and nebulizing gas. The Generator also produces clean dry air for use as nebulizing gas in the negative ionization mode.

The generator is built with internal air compressors as standard, and is extremely quiet in operation. The generator is controlled using the latest in color touch screen technology to display the process in real time, inlet / outlet pressure, N<sub>2</sub>/Air Flow and status of the system with remote access for diagnostic control.



## Applications

320-MS Single

320-MS Triple Quadrupole

500-MS Ion Trap

## Benefits & Savings

### INCREASED LABORATORY EFFICIENCY

A constant, uninterrupted gas supply of guaranteed purity eliminates interruptions of analyses to change cylinders and reduces the amount of instrument re-calibrations required.

### IMPROVED ECONOMY

Clean dry air and nitrogen gas produced as standard.

### IMPROVED SAFETY

Clean dry air and nitrogen gas produced at low pressure and ambient temperature removes the need for high pressure cylinders.

### SECURITY OF SUPPLY

Integral oil free air compressor as an option guarantees continuous gas supply, independent of in house compressed air supply.

### SIMPLE INSTALLATION

Gas generators can be installed in the laboratory, on or under a bench, eliminating the need for long gas lines from cylinders secured elsewhere.

## Standard Features

- Intelligent color touch screen to provide simple and user friendly management of all functions of the unit
- Fully regenerative PSA technology
- Complete 'Plug and Play' system specifically designed for the Varian 300-MS single and triple quad and 500-MS ion trap
- With integral oil free air compressor
- Quiet thanks to the Soundproofed compressor box and anti-vibration features
- Auto start
- Audible alarm display and Visual maintenance indication with history log
- Outlet flow indicator
- Energy Saving Technology (EST):
  - Switch off the compressor when gas supply is not required
  - Allowing low energy consumption and increasing durability of the compressor
- Remote PC monitoring and diagnostic analysis via USB to interface the unit with customer's PC software (allow to carry out checks and maintenance effectively, only via a remote connection)
- Compact design
- Fit with wheels

N<sub>2</sub>  
AIR

MODELS	CALYPSO.2G/1.VA
Compressor	1 (With)
GENERALS INFORMATIONS	
Max Outlet Flow rate	Up to 18 L/min N2 - 2 L/min Pure Air
Max Nitrogen pressure	6.9 bar (100 psi)
Purity Air/N2	Air Dew point -55°C (-67°F); Nitrogen < 0.5% O2
Particles	< 1 μ
Inlet Air flow required @ 9 bar (130.5 psi)	N/A
Touch screen	Touch screen (operating parameters, system status, alarms and maintenance)
Max Relative Humidity	80% RH @ 25°C (77°F)
Temperature range	From 5 - 25°C (41 - 77°F)
Max Altitude	3000 Meters
Noise level @ 1M	53 dB (A)
Dimensions (W x H x D)	47.5 x 66.2 x 79 cm (18.7" x 26" x 31")
Weight (kg/lbs)	155 / 341
Electrical supply	220 - 240 V ac / 1 ph / 50 - 60 Hz 110 - 120 V ac / 1 ph / 50 - 60 Hz
Power consumption	1 700 VA
Fuse	10A
CONNECTIONS	
Nitrogen/Air outlet	2 x 1/4"G (BSP) Female
COMMUNICATION	
USB/PC Control	In series

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Satisfaction Guaranteed

The products are guaranteed 24 months\*. Beyond, your investment continues to be supported by our maintenance program **[Gold Service]**. Our world class technical assistance offers Programmed preventive maintenance to ensure optimal performance of your Gas generator F-DGSI and a priority intervention in case of failure.

\*Year 2 of warranty subject to generator being serviced at end of the first year by a F-DGSI-approved agent in accordance with fixed annual maintenance schedule. For full terms and conditions, visit [www.f-dgs.com](http://www.f-dgs.com)

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