

CALYPSO 3G.E.SC

N2/Air Gas Generator LCMS for Sciex

Reference : CALYPSO.3G/1.E.SC (With compressor)
CALYPSO.3G/0.E.SC (Without compressor)



Description

The Triple Flow generator has been specifically designed to meet the nitrogen and dry air needs to supply curtain, source and exhaust gases for the New Sciex LC-MS Instruments, called ECHO MS and a for new Triple Quad 7500 LC-MS/MS System.

Nitrogen is produced by pressure swing adsorption (PSA) to remove oxygen, carbon dioxide and water from compressed air. Purified air is produced using a membrane air dryer.

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, N2/Air Flow and status of the system with remote access for diagnostic control.



UNIQUE AND INTELLIGENT OPERATOR INTERFACE WITH REMOTE ACCESS

Applications

Gas solution for ECHO MS system from SCIEX

Triple Quad 7500 LC-MS/MS System

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

Pure nitrogen gas produced as standard.

IMPROVED SAFETY

Nitrogen/Air 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
- With integral oil free air compressor (in option)
- 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

N2
AIR

MODELS	CALYPSO.3G/1.E.SC	CALYPSO.3G/0.E.SC
GENERALS INFORMATIONS		
Max N2 Flow rate	26 L/min @ 4.14 bar (60 psi)	
Dry air outlet flow for the source gas	32 L/min @ 7.3 bar (105 psi)	
Dry air outlet flow for the exhaust gas	25 L/min @ 4.8 bar (70 psi)	
Inlet air flow required @9 bar (130.5 psi)	N/A	200 L/min
Min. Inlet Air Quality	N/A	ISO 8573-1:2010 1.4.1
Purity Air/N2	Air Dew point -55°C (-68°F), HCs < 0.1 ppm; Nitrogen > 99.5%	
Particles	< 0.01 μ	
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	57 dB (A)	52 dB (A)
Dimensions (W x H x D)	48.2 x 100 x 79 cm (19" x 39" x 31")	47.5 x 66.2 x 79 cm (18.7" x 26" x 31")
Weight (kg/lbs)	160 / 352	96 / 211.6
Electrical supply	220 - 240 V ac / 1 ph / 50 - 60 Hz 110 - 120 V ac / 1 ph / 50 - 60 Hz	
Power Consumption	< 2100 VA	< 150 VA
Fuse	16A	10A
CONNECTIONS		
Nitrogen outlet	G 1/4" (BSP) Female	
COMMUNICATION		
USB/PC Control	In series	

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*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

F-DGSI France
 8, 10 rue du Bois Sauvage, bat Q18 - 91000 Evry France
 Tel. : +33(0)1 64 98 21 00
 Fax. : +33(0)1 64 98 00 43

Email : info@f-dgs.com
 Web : www.f-dgs.com

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