

CALYPSO DUO

Nitrogen Gas Generator for LCMS

Reference : CALYPSO.DUO.[Flow rate]/0 (Without compressor)
CALYPSO.DUO.[Flow rate]/1 (With compressor)



Description

The CALYPSO DUO combined the capacity of two CALYPSO nitrogen generator system into one fully integrated system.

The CALYPSO DUO is available with integrated oil free air compressor using the **Energy Saving Technology mode (EST)**. It is extremely compact and 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 Flow and status of the system with remote access for diagnostic control.

Utilizing **Smart Triple Filtration and Advanced technology PSA** of separating Nitrogen and Oxygen to produce high quality Nitrogen gas on demand 24/7.



Applications

Nitrogen supply for two LCMS instruments

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 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
- Combines two CALYPSO units into one
- High Nitrogen pressure up to 8 bar (116 psi)
- 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 double 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

MODELS	CALYPSO.DUO.32/1
GENERALS INFORMATIONS	
Max Nitrogen Flow rate	2 x 32 L/min
Max Nitrogen pressure	8 bar (116 psi)
Nitrogen purity	> 99%
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	53 dB (A)
Dimensions (W x H x D)	47.5 x 100 x 79 cm (18.7" x 39" x 31")
Weight (kg/lbs)	160 / 352
Electrical supply	220 - 240 V ac / 1 ph / 50 - 60 Hz
	110 - 120 V ac / 1 ph / 50 - 60 Hz
Fuse	10A
CONNECTIONS	
Nitrogen outlets	2 x 1/4" GF
COMMUNICATION	
USB/PC Control	In series



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

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