

CALYPSO DP.TH

Nitrogen Gas Generator for Thermo LCMS

Reference : CALYPSO.DP.TH.[Flow rate]/1 (With compressor)



Description

With 2 models, the CALYPSO DP.TH, specifically designed for Orbitrap Exploris LC MSMS from Thermo. The CALYPSO DP.TH provides two different purities of nitrogen from a single "plug & play" unit. The CALYPSO DP.TH 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 pressures, N2 Flows 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.



UNIQUE AND INTELLIGENT OPERATOR INTERFACE WITH REMOTE ACCESS

Applications

Orbitrap Exploris 120, 240 & 480 LCMS

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
- Two different nitrogen purities and pressures
- Smart triple filtration PSA technology producing analytical grade nitrogen gas > 99% and > 99,999% purity
- 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
- Compressors redundancy
- Fit with wheels

N2

MODELS	CALYPSO.DP.TH.35	CALYPSO.DP.TH.70
Compressor	1 (With)	1 (With)
GENERALS INFORMATIONS		
Max Nitrogen Flow rate	35 L/min @ 7 bar (101 psi)	70 L/min @ 7 bar (101 psi)
High Purity Nitrogen Flow rate	2 L/min @ 6 bar (87 psi)	4 L/min @ 6 bar (87 psi)
Nitrogen purity	> 99%	
High Purity Nitrogen purity	> 99.999%	
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 - 35°C (41 - 95°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")	47.5 x 100 x 79 cm (18.7" x 39" x 31")
Weight (kg/lbs)	122 / 269	174 / 384
Electrical supply	220 - 240 V ac / 1 ph / 50 - 60 Hz	
	110 - 120 V ac / 1 ph / 50 - 60 Hz	
Fuse	10A	
CONNECTIONS		
Nitrogen outlet	1/4" GF	
Air Inlet	N/A	
COMMUNICATION		
USB/PC Control	In series	

Gold Service
 — 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

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