

THEMISTO PEGA

Combined N₂/Air Gas generator for PEGASUS

Reference : THEMISTO.PEGA



Description

The THEMISTO PEGA dual flow generator has been specifically designed to meet the Nitrogen and Pure Air needs to supply a LECO PEGASUS 4D GC x GC-TOFMS.

The THEMISTO PEGA 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 color touch screen technology to display the process in real time, inlet/outlet pressures and status of the system with remote access for diagnostic control.

Nitrogen is produced by pressure swing absorption (PSA) to remove oxygen, carbon dioxide and water from compressed air and purified air is produced by using a cyclonic water separator filter and submicronic coalescing filter.



UNIQUE AND INTELLIGENT OPERATOR INTERFACE WITH REMOTE ACCESS

Applications

LECO PEGASUS 4D GC x GC-TOFMS

Benefits & Savings

IMPROVE ANALYTICAL INSTRUMENTS PERFORMANCE

The production of a constant flow of gas improves the consistency of the analysis results and hence reproducibility.

IMPROVE LABORATORY EFFICIENCY

Gas on demand, no need to worry about running out of gas.

IMPROVE ECONOMY

- Quick return on investment < 1 years
- No gas cylinder rental bottles, no price inflation

IMPROVE SAFETY

Nitrogen and Air produced at low pressure and ambient temperature removes the hazards associated with high pressure cylinders and liquid Dewar's.

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 LECO PEGASUS 4D GC x GC-TOFMS
- With integral oil free air compressor
- Quiet thanks to the Soundproofed compressor box and anti-vibration features
- Auto start
- Fast start-up purity <30 min
- 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)
- 3 ways valve with timer (adjustable) for N₂ gas line outlet to have the night quality N₂ after a switch off.
- Compact design
- Fit with wheels



MODEL	THEMISTO PEGA
GENERALS INFORMATIONS	
Cooling Gas	N2 gas : 20 L/min, N2 Dew Point < -60°C (-76°F)
Heating Gas	Pure Air gas : 12 - 40 L/min
Max pressure outlet Nitrogen/Air	6 bar (87 psi)
Particles	0.01 µ
Touch screen	Touch screen (operating parameters, system status, alarms and maintenance)
Max Relative Humidity	80% Non - Condensing
Temperature range	From 5 - 25°C (41 - 77°F)
Max Altitude	4000 Meters
Noise level @ 1M	60 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 / 202
Power consumption	2200 VA
Electrical supply	220 - 240 V ac / 1 ph / 50 - 60 Hz
	110 - 120 V ac / 1 ph / 50 - 60 Hz
Fuse	10A
CONNECTIONS	
Nitrogen/Air outlet	2x 1/4" GF
COMMUNICATION	
USB/RS232/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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