CRYOGEN FLASK 08-RA

SMART & CLEVER Liquid Nitrogen Generator

Reference : CRYOGEN.FLASK.08-RA

WITH ENERGY SAVING TECHNOLOGY





FRONT FLASK DISPENSE



UNIQUE AND INTELLIGENT OPERATOR INTERFACE WITH REMOTE ACCESS

Description

The CRYOGEN.08-RA is the **"Air cooled"** liquid N2 generator from F-DGSi producing 8 L/day.
Utilising a reliable 'Cryo-refrigerator' design of cold head technology and helium compressor, the nitrogen gas is then produced using the PSA technology which is cooled to 77K (-196°C) to produce liquid nitrogen.

The integrated cooling fans can operate with air cooling up to +32°C ambient temperature, making it suitable to operate everywhere in the world.

Simply connect the power and press start for the machine to automatically produce liquid nitrogen when needed.

The liquid nitrogen can be dispensed using its specially designed front loading flask dispenser.

Applications

Dermatology | Lab applications | Freezers

Benefits & Savings

CryoGen Generation Plants is your reliable and efficient alternative to conventional Liquid Nitrogen supplies. Taking away the on-going costs, safety considerations of deliveries, transportation of traditional liquid gas supplies.

Your on-site Liquid Nitrogen systems will be some of the most advanced and intelligent available.

Standard Features

- Fully regenerative PSA technology with oil free air compressor
- Helium Compressor Air cooled, no water chiller required
- Liquid Nitrogen > @99% purity (<1% O2)
- LN2 Dewar Liquid Level sensor
- With Nitrogen gas cooling system by pelletier effect to increase liquefaction efficiency
- Vacum prevention system on liquid dewar
- Color alarm indication, color production and color level indicator (0-100%)
- Automatic operation
- Energy Saving Technology (EST):
  - Switch off the air compressor when gas supply is not required
  - Allowing low energy consumption and increasing durability of the air compressor
- Quiet thanks to the Soundproofed compressor box and anti-vibration features
- Wheels for easy installation

MODEL	CRYOGEN.FLASK.08-RA
GENERALS INFORMATIONS	
Max L/Day	8 L/day
Max L/Hour	0.33
Liquid N2 Purity	> 99% (< 1% O2)
Liquid N2 Dewar Capacity (L)	60
Liquid N2 Pressure (bar)	Up to 1.5*
Temperature range	7 - 32°C (45 - 89°F)
Cryogen Enclosure on wheels (W x H x D)	80 x 196 x 80 cm (31" x 77" x 31")
Cryogen Enclosure weight (kg/lbs)	320 / 705
Electrical supply	100, 120, 220, 230, 240 VAC (+10% / -5%) 1 ph + neutral and earth / 50 - 60 Hz
Power consumption (Kw)	1.3
Noise level	< 52 dBA
COMMUNICATION	
USB/PC Control	In series

Cryogen production rate at + 25°C and < 2000 meters altitude at 50Hz (for 60Hz add 20% production rate).
*Higher pressures available on request up to 4 bar (increase liquid N2 production)

Options



1 | Cryogenic Safety Equipment



2 | Cryogenic Hoses



3 | Additionnal dewars

4 | Internet Connectivity

[F-DGSi Care]

The products are guaranteed 24 months*. Beyond, your investment continues to be supported by our maintenance program **[Gold Service]**. Our wold 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**

Certified Product

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