

'TRITON2+' - Intelligent LN2 Generators

'TRITON2+' is the latest 'air cooled' Liquid Nitrogen Generator from SLS Lab Pro.

Utilising the lowest powered cooling system to make TRITON2+ the most efficient small 10l/day LN2 production system available.

The liquid nitrogen is stored within a suitable sized vacuum insulated tank and the product can be dispensed using its specially designed front loading flask dispenser. Other dispense methods are available on request.

Features

- Air cooling, no water chiller required
- Internal air compressor
- Nitrogen produced using our own PSA nitrogen generator
- LN2 at 99% purity
- Nitrogen injection system for pre-cooling of gas prior to liquefaction
- 50 litre LN2 storage dewar
- All cryogenic parts are vacuum insulated
- Colour touch screen control
- Small footprint
- Low power



FRONT FLASK
DISPENSE



Applications

- Front flask dispense and / or:-
- Rear hose connection
- Vacuum hoses available
- Foot pedal dispensing

The SLS Lab Pro Cryogenics TRITON2+ liquid nitrogen generator is your reliable and efficient on-site plug and produce cryogenic solution. With a small footprint, low power consumption and no need for cooling water or water chiller makes the TRITON2+ the best solutions available on the market. With integrated cooling fans can operate with air cooling up to +32°C ambient temperatures making it suitable to operate in most parts of the world. Simply connect the power and press start for the machine to automatically produce liquid nitrogen when needed. The safe front flask dispenser makes dispensing LN2 safer than ever with other options such as a rear hose connection available to connect to freezers.

| Specifications | |
|--|------------------------------|
| Liquid nitrogen production (l/hr) | 0.42 |
| Liquid nitrogen purity | >99% (<1.0% O ₂) |
| Liquid nitrogen tank volume (litres) | 50 |
| Liquid nitrogen Pressure (bar g) | Up to 1.5* |
| Power consumption (Kw) | 1.5 |
| Power supply (1 dia + neutral and earth) | 110-240 50/60Hz |
| LN2 enclosure foot print (on wheels) | 0.6m x 0.8m |
| LN2 enclosure height | 1.7m |
| LN2 enclosure weight | 180Kg |
| Noise level | <60 dBA |

LN2 production rate at +25°C and <2,000 metres altitude and at 50Hz (for 60Hz add 20% production rate). For higher altitudes please consult SLS for advice.

*Higher pressures available on request up to 4 bar.

Options



Cyrogenic safety equipment



O₂ depletion alarm



Cyrogenic hoses

