

## 'LN30B-AC' - Intelligent LN2 Generators

With **BOOST Technology**

'LN30B-AC' is the latest 'water cooled' Liquid Nitrogen Generator from SLS Products.

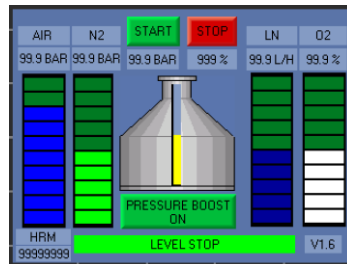
Utilising the reliable and efficient PSA technique of separating Nitrogen and Oxygen is used to produce high quality Nitrogen Gas which is then liquefied using our powerful cooling system.

The liquid nitrogen is stored within a suitable sized vacuum insulated tank and the product can be dispensed using a 1.5 metre vacuum insulated hose provided. Other options of 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.
- Pressure Boost system increasing production
- No Loss pressure system
- 100 Litre LN2 storage dewar
- All cryogenic parts are vacuum insulated.
- Colour touch screen control.
- Small footprint.
- Low noise.



LN30B-AC DISPLAY

### Options

- Internet connectivity
- SMS text messaging
- Vacuum hoses available
- Foot pedal dispensing
- Additional dewars available

The SLS Lab Pro Cryogenics LN30B-AC 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 LN30B-AC one of the best solutions available on the market. The 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. For higher ambient temperatures up to +52°C we recommend the LN30B water cooled system. Simply connect the power and press start for the machine to automatically produce liquid nitrogen when needed. An intelligent level sensor system is fitted for you to select the liquid level stop and start using the touch screen controller so you always have enough LN2.

The Pressure 'BOOST' system increases liquid nitrogen production with no additional power or cooling water required, coupled with the 'No Loss' pressure maintaining system making it the most efficient and intelligent GM based technology generator available.

### Specifications

Liquid nitrogen production (l/hr)	*1.25
Liquid nitrogen purity	>99% (<1.0% O2)
Liquid nitrogen tank volume (litres)	100
Liquid nitrogen Pressure (bar g)	Up to 4.0*
Power consumption (Kw) – excluding water chiller	3.0
Power supply (1Ø + neutral and earth)	200-240 50/60Hz
LN2 enclosure foot print	1.4m x 0.65m
LN2 enclosure height	1.75m
LN2 enclosure weight	350Kg
Noise level	<60 dBA
Cooling water requirement (kw cooling power)	5.0

LN2 production rate at +25°C and <2,000 metres altitude and at 50Hz (when in boost mode). For higher altitudes please contact your SLS Sales Representative.

\*Increased tank pressure and production of LN2 when in boost mode.

### Options



Cryogenic safety equipment



O2 depletion alarm



Cryogenic hoses