

## 'LN80AC' - Intelligent LN2 Generators

*With ECO & BOOST Technologies*

'LN80AC' is the latest 'air cooled' Liquid Nitrogen Generator from Noblegen 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.

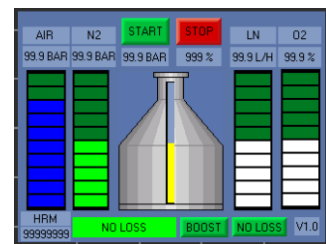


### Features

- Air cooling, no water chiller required.
- Internal air compressor.
- Nitrogen produced using our own PSA nitrogen generator.
- LN2 at 99% purity.
- **New** – Pressure Boost system increasing production by upto 20% more.
- **New** – Eco 'no loss' system reduces boil-off losses to zero
- 210 Litre LN2 storage dewar
- All cryogenic parts are vacuum insulated.
- Colour touch screen control.
- Small footprint.
- Low noise.



AIR COOLING UNIT



LN80AC DISPLAY

### Options

- Internet connectivity
- SMS text messaging

The Noblegen Cryogenics L80AC 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 LN80AC one of the best solutions available on the market. The integrated cooling fans can operate with air cooling up to +45°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 LN80 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.

New for 2019 is the Pressure 'BOOST' system increasing liquid nitrogen production by up to 20% with no additional power required. Combined with the 'ECO' no loss system to prevent gas boil-off makes the LN80AC the most efficient and intelligent GM based technology generator available.

<b>Liquid nitrogen production (l/hr)</b>	*3.33
<b>Liquid nitrogen purity</b>	>99% (<1.0% O <sub>2</sub> )
<b>Liquid nitrogen tank volume (litres)</b>	210
<b>Liquid nitrogen pressure (bar g)</b>	Up to 4.0*
<b>Power consumption (Kw)</b>	6.9
<b>Power supply (3Ø + neutral and earth)</b>	200-480 50/60Hz
<b>LN2 enclosure foot print (on wheels)</b>	1.6m x 0.8m
<b>LN2 enclosure height</b>	1.75m
<b>LN2 enclosure weight</b>	450Kg
<b>Remote cooling unit dimensions (l x w x h)</b>	0.6m x 0.2m x 0.5m
<b>Remote cooling unit weight</b>	120Kg
<b>Remote cooling unit connection hoses / cables</b>	10 metres
<b>Noise level</b>	<65 dBA

LN2 production rate at +25°C and <2,000 metres altitude and at 50Hz (when in boost mode). For higher altitudes please consult Noblegen for advice.

\*Production of LN2 when in boost mode.

## Options



Cryogenic safety equipment



O<sub>2</sub> depletion alarm



Cryogenic hoses