

‘LN20’ - Intelligent LN2 Generators

‘LN20’ 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

- Water cooled to ambient temperatures up to +52°C.
- 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 noise.



WATER CHILLER

Options

- Internet connectivity
- SMS text messaging
- Closed loop water chiller
- Foot pedal dispensing
- Nitrogen gas outlet

The SLS Lab Pro Cryogenics LN20 liquid nitrogen generator is your reliable and efficient on-site plug and produce cryogenic solution. With a small footprint, low power consumption and low cooling water requirement makes the LN20 one of the best solutions available on the market. With cooling water or chiller supplied the system can operate up to +52°C ambient temperatures making it suitable to operate in most parts of the World. Simply connect the power, cooling water and compressed air (integrated air compressor available as an option) and press start for the machine to automatically produce liquid nitrogen when needed. An intelligent level sensor system means you can select the liquid level stop and start using the touch screen controller so you always have enough LN2.

Specifications

Liquid nitrogen production (l/hr)	0.84
Liquid nitrogen purity	>99% (<1.0% O2)
Liquid nitrogen tank volume (litres)	50
Liquid nitrogen Pressure (bar g)	Up to 1.5*
Power consumption (Kw) – excluding air compressor & 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 (for 60Hz add 20% production rate).
For higher altitudes please contact your SLS Sales Representative.

*Higher pressures available on request up to 4 bar.

Options



Cryogenic safety equipment



O2 depletion alarm



Cryogenic hoses