



## Liquid Nitrogen Generator Specification Sheet LN480

|                                  |  |
|----------------------------------|--|
| Liquid Nitrogen Production Rate: | 480 litres/day (20 litres/hr)<br>@99% purity(Nitrogen+ Inert)at 1 barg pressure  |
| Skid Dimensions:                 | 3.1m (L) x 2.0m (W) x 2.6m (H) – excludes air compressor   |
| Skid Weight:                     | 2,000 Kg   |
| Dewar Volume:                    | 1,000 Litres standard  |
| Cold Head Assembly:              | 6 off cold-heads   |
| Helium Compressor:               | 6 x water cooled type  |
| Electrical Input options:        | 480v / 3ph - 60Hz or 380v/400v/415v / 3ph - 50Hz,200v / 3ph  |
| Power Consumption:               | 73 kw @ 50Hz , @3.7kw per litre/hr   |
| Water Cooling Requirement:       | 50kw of cooling capacity   |
| Ambient Temperature Range:       | +5°c to +52°c  |
| Maximum altitude:                | 10,000 feet (3,000 metres) – higher altitudes available  |
| Nitrogen Gas Requirement:        | 240 LPM / <1% Oxygen (model MNG106L supplied)  |
| Compressed Air Requirement:      | 0.90m <sup>3</sup> /min @ 8 bar  |
| Noise Level:                     | <65dBA @ 1 metre   |
| Control System:                  | HMI colour graphic touch screen  |
| Tank Level high / low Setting:   | Adjustable – 0 – 100%  |
| Main Features:                   | Dewar Vacuum Protection System<br>33.3%, 66.6, 100%, production control<br>Complete system auto restart on power failure |
| Certification:                   | Dewar – EN 13458 / 97/23/EC; System – CE / ISO9001:2008  |

