

ENP-90

Electrically Driven LN2 Unit



APPLICATION

Prior Power Solutions has developed a revolutionary electrically driven nitrogen pumping unit.

It has been designed and manufactured to reduce overall environmental impact and meet the requirements of the ever-changing market.

The 90k liquid nitrogen pump is a self-contained unit capable of pumping and vaporising 90,000 SCFC at 20°C and pressures up to 10,000 PSI when supplied with LN2 from a suitable tank.

Maximum pump flow rate: 1,500 SCFM.

Maximum pump pressure: 10,000 PSI.

Utilising proven VSD technology, the Prior Power Solutions electrically driven LN2 unit offers exhaust, emission-free operation without compromising on operational efficiency or accuracy of control.

Designed and certified for use in hazardous areas, the unit is housed in a third-party approved 'split skid' type lifting frame/container.

The unit is constructed with high quality material, utilising market leading expertise and technology

Additional feature options are available, including an electro-hydraulic option which offers the same emission-free advantages whilst retaining a familiar operational feel.

Features

- Reduced environmental impact
- Suitable for use in emission control areas
- Approved by recognised certifying authority
- Split unit design
- Integrated cable storage options
- Safety shutdowns and diagnostics
- High quality cryogenic system
- Advanced and accurate touch screen controls
- Proven VSD/VFD technology
- Exceptional aftercare and support
- Bespoke options available
- Paint to customer RAL specifications
- Low maintenance compared with diesel-powered LN2 unit
- Option for remote monitoring

Approvals

- DNV 2.1-1
- ATEX 2014/34/EU
- CE Marked

Approx. Unit Weight / Dimensions

Based on all electric version

Per section

Length : 6,000mm

Width : 2,450mm

Height : 3,100mm

Weight : <10,000kg

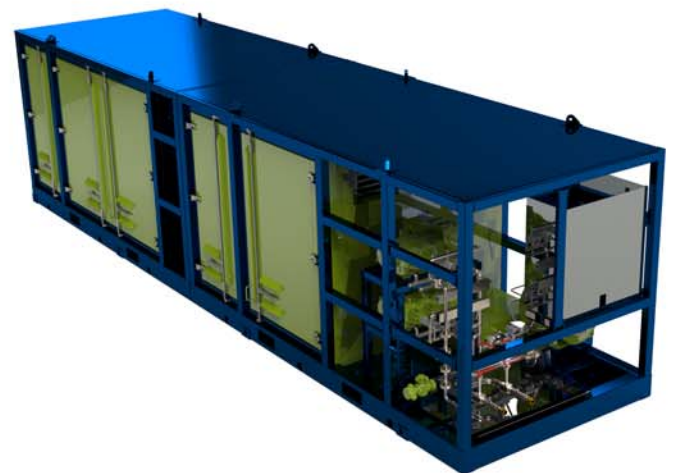


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