

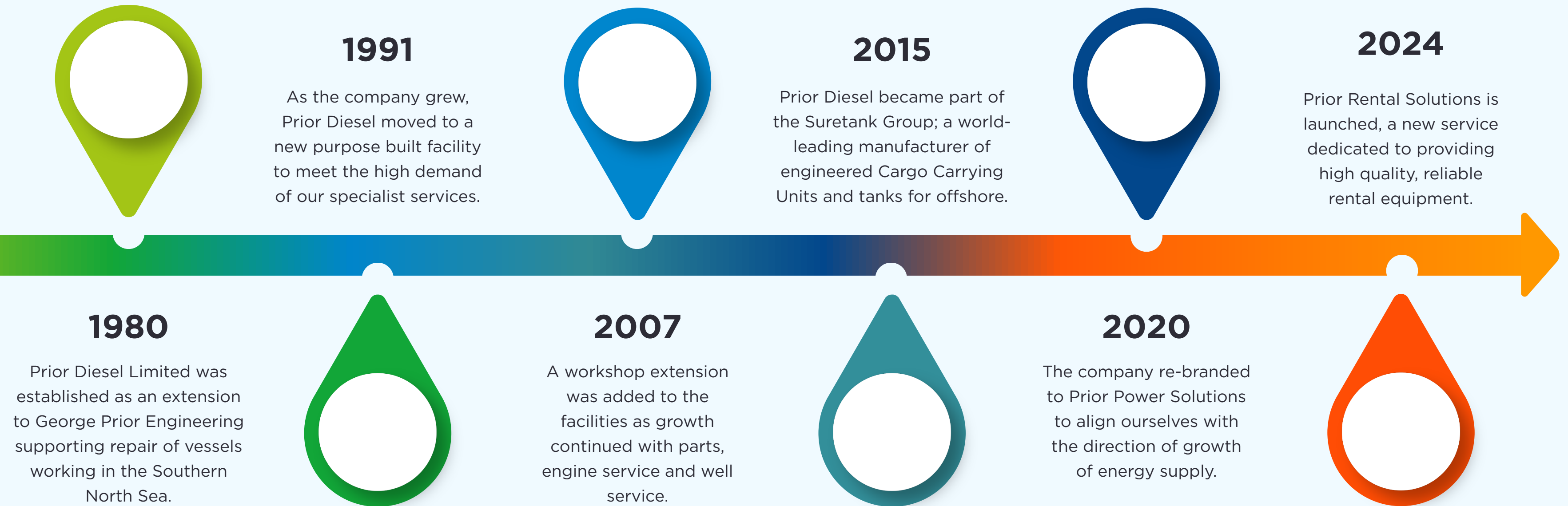


POWER SOLUTIONS FOR A CHANGING WORLD



Our Growth

Four decades of innovation supporting the energy sector.



POWER SOLUTIONS FOR A CHANGING WORLD



Rental Nitrogen Pumps



Available Units

- **90k Zone 2 Nitrogen Pump (15k) - CE**
Open Frame
- **180k Zone 2 Nitrogen Pump - CE**
Open Frame
- **180k Zone 2 Nitrogen pump - CE**
Acoustic
- **180k Zone 2 Nitrogen Pump - NON - CE**
Open Frame
- **Conversion Kit - 15k to 10k**

“The demand for high quality nitrogen pump products has continued to surge...”

Sales Director, Prior Power Solutions

Rental Tanks



2000usg Offshore cryogenic tank

DESIGN FEATURES

Approvals	DNV 2.7-1 offshore certified skid; ISO 10885, ADR/RID, ASME VIII-1, IMDG T75, ISO1496 and CSC
Connection	NIT 150
Maximum working pressure	6 Bar
Capacity	2,000 USG

TANK SPECIFICATION

Capacity	7,980 L +/-2%
Temperature range	-196°C to 50°C
Test pressure	9.46 Bar
Working pressure	6 Bar
Holding time	25 days

UNIT DIMENSION/WEIGHT

Length	2,991 mm
Width	2,438 mm
Height	2,591 mm
Tare	5,300 kg

Rental Ancillaries

Supporting Safe Operations





Over Pressurisation Skid

This over pressurisation skid, manufactured by Prior Power Solutions, is designed for all types of pumping and pressurisation operations, providing an enhanced level of additional safety and protection to the operator and the equipment being utilised.

This compact, robust unit can be set from 10 psi up to 20,000 psi and is designed to shut down fluid/nitrogen pumping units automatically once the operational pressure limits have been exceeded.

These skids are manufactured to operate in ATEX Zone 2 areas and can be easily retrofitted to existing equipment using standard type connections. For ease of moveability, these skids can also be fitted with forklift pockets.

Features

- Robust, yet lightweight stainless-steel construction
- Easy to install and operate
- ATEX Zone 2 certified
- Ties into the shutdown system of the pump
- Minimal maintenance required
- Lifting handles and optional forklift pockets
- Pressure ranges: 10-10,000 psi
75-15,000 psi
10,000-20,000 psi

Unit Dimensions/Weight	
Length	900 mm
Width	500 mm
Height	700 mm
Weight	85 kg

POWER SOLUTIONS FOR A CHANGING WORLD

Tel +44 (0)1493 441383 Email rentals@priorpower.com Web www.priorrentalsolutions.com







Temperature Shutdown Skid

Protect critical customer assets, and the environment, from low or high temperature damage with a Prior Power Solutions Temperature Shutdown Skid.

Safeguard valuable assets

Designed to immobilise equipment when nitrogen discharge temperature rises or falls below given parameters, our Temperature Shutdown Skids shield nitrogen pumping equipment, pipelines, and associated assets from damage.

Minimise downtime

Providing an enhanced level of safety to all nitrogen stimulating operations, the unit, which is easily connected to most standard designs, disables the triplex pump in the event of too high or too low downstream nitrogen temperature.

COMPACT AND LIGHTWEIGHT

Prior Power Solutions' Temperature Shutdown Skids are fully tested and manufactured to high standards. They can be connected to existing units or integrated into a new build design.

Features

- Stainless steel, lightweight frame
- ATEX Zone 2 certified for hazardous areas
- 7.6 m connecting hoses c/w connections
- 5.7 m armoured capillary cable
- Connects directly to nitrogen pump unit's over pressure skid connection
- Easy to operate with adjustable low/high temperature shutdown controls

Weight/Dimensions

- Overall weight approx. 30.80 kg
- Overall dimensions approx. 600 x 400 x 450 mm



Easy to install & operate



Held in stock



Competitively priced

POWER SOLUTIONS FOR A CHANGING WORLD

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Prior Rental Solutions is a trading name of Prior Power Solutions Ltd.







1000 LPM Fuel Cleaning Unit

The 1000 LPM Cleaning Unit is designed to effectively remove water and solid contaminants to keep your fuel source clean and appliance performing at its best.

Why is this important?

All engines rely on having a clean source of fuel to perform correctly. Reliability with limited down time is extremely important. Whether it's business or pleasure the total cost of ownership of your appliance can be reduced through prevention.

Modern diesel engines have high pressure common rail fuel injection systems with fuel injectors that have ultrafine tolerances, meaning that your fuel quality has never been more crucial. These components are expensive items, and when you factor in the cost to remove and replace with down time, can be very costly.

Prevention

If your fuel is not health checked and managed correctly, filters will typically become blocked. High pressure fuel injectors and pumps will not perform properly and lead to premature failure causing down time of your appliance.

Features

Powerful pump

With high flow rates up to 1000 litres per min

Safety

Integral bund, two emergency stops, bund shutdown, drain tank overflow shutdown, high pressure shutdown

Integral sampling points

Integral drain points

Portable

Detachable certified lifting frame, base frame with integral forklift pockets, finished in three coat offshore specification black gloss finish

Efficiency

High volume dirt holding capacity to deliver ISO cleanliness codes of 18/16/13 or better

POWER SOLUTIONS FOR A CHANGING WORLD

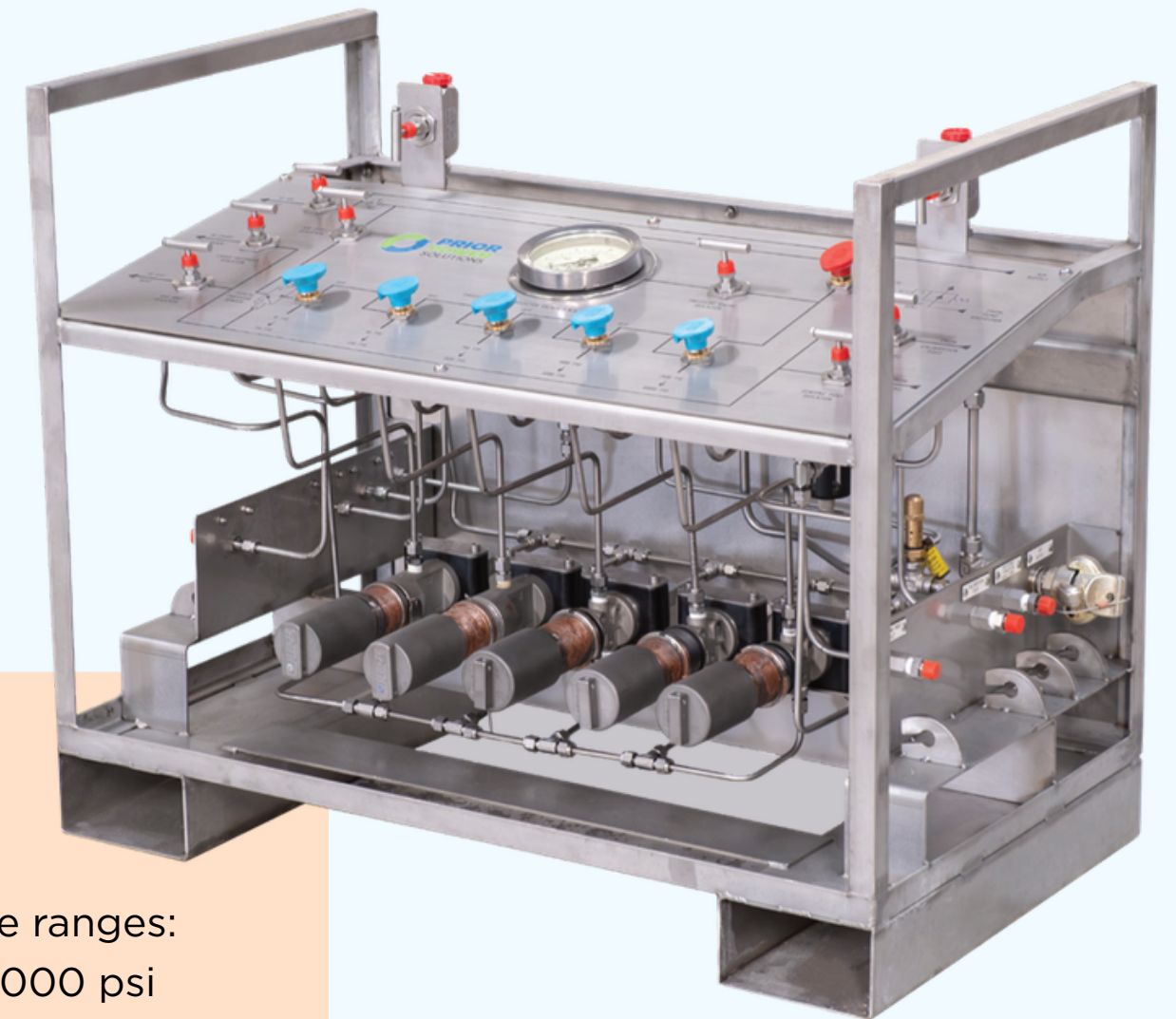
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This compact, robust unit can be set from 10 psi up to 20,000 psi and is designed to shut down fluid/nitrogen pumping units automatically once the operational pressure limits have been exceeded. These skids are manufactured to operate in ATEX Zone 2 areas and can be easily retrofitted to existing equipment using standard type connections. For ease of moveability, these skids can also be fitted with forklift pockets.



Unit Dimensions/Weight

Length	900 mm
Width	500 mm
Height	700 mm
Weight	85 kg

Features

- Robust, yet lightweight stainless-steel construction
- Easy to install and operate
- ATEX Zone 2 certified
- Ties into the shutdown system of the pump
- Minimal maintenance required
- Lifting handles and optional forklift pockets
- Pressure ranges:
 - 10-10,000 psi
 - 75-15,000 psi
 - 10,000-20,000 psi

Temperature Shutdown Skid

Protect critical customer assets, and the environment, from low or high temperature damage with a Prior Power Solutions Temperature Shutdown Skid.

Safeguard valuable assets

Designed to immobilise equipment when nitrogen discharge temperature rises or falls below given parameters, our Temperature Shutdown Skids shield nitrogen pumping equipment, pipelines, and associated assets from damage.

Minimise downtime

Providing an enhanced level of safety to all nitrogen stimulating operations, the unit, which is easily connected to most standard designs, disables the triplex pump in the event of too high or too low downstream nitrogen temperature.

Compact and lightweight

Prior Power Solutions' Temperature Shutdown Skids are fully tested and manufactured to high standards. They can be connected to existing units or integrated into a new build design.



Weight/Dimensions

- Overall weight approx. 30.80kg
- Overall dimensions approx. 600 x 400 x 450 mm

Features

- Stainless steel, lightweight frame
- ATEX Zone 2 certified for hazardous areas
- 7.6 m connecting hoses c/w connections
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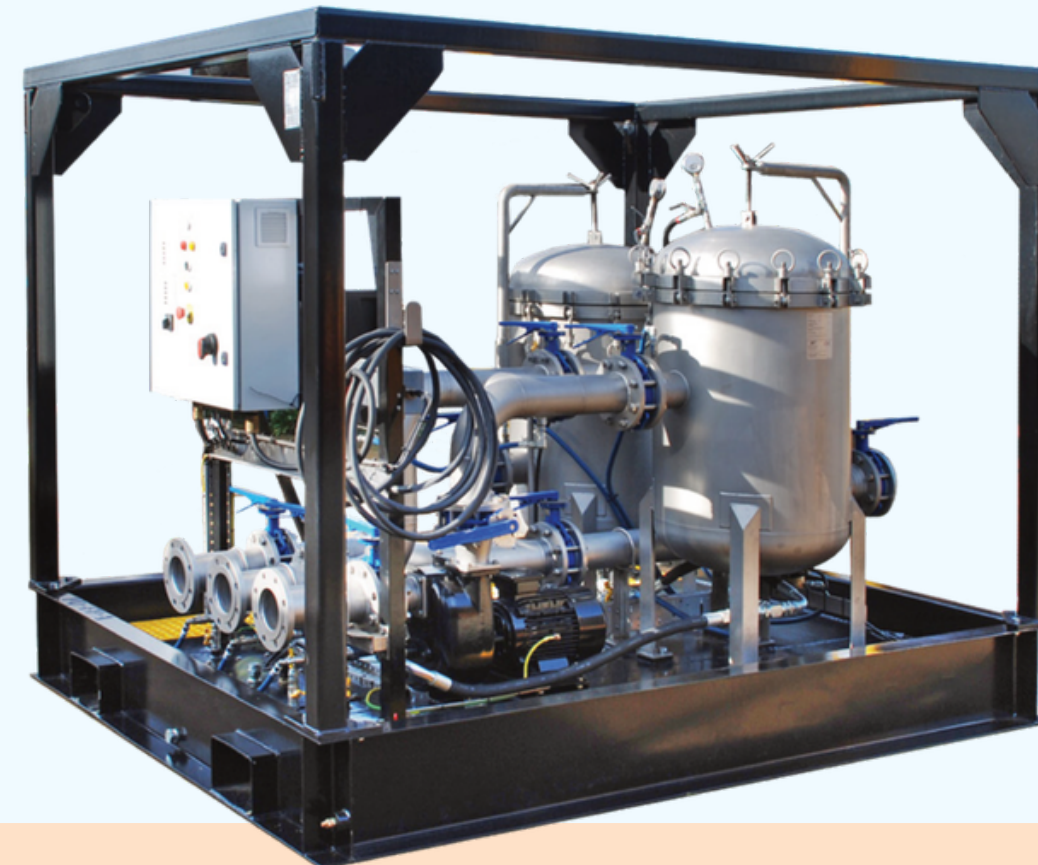
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Prevention

If your fuel is not health checked and managed correctly, filters will typically become blocked. High pressure fuel injectors and pumps will not perform properly and lead to premature failure causing down time of your appliance.



Weight/Dimensions

Length	2660 mm
Width	2050 mm
Height (incl frame)	2020 mm
Height (excl frame)	1800 mm

Features

Powerful pump

With high flow rates up to 1000 litres per min

Portable

Detachable certified lifting frame, base frame with integral forklift, pockets, finished in three coat offshore specification black gloss finish

Efficiency

High volume dirt holding capacity to deliver ISO cleanliness codes of 18/16/13 or better

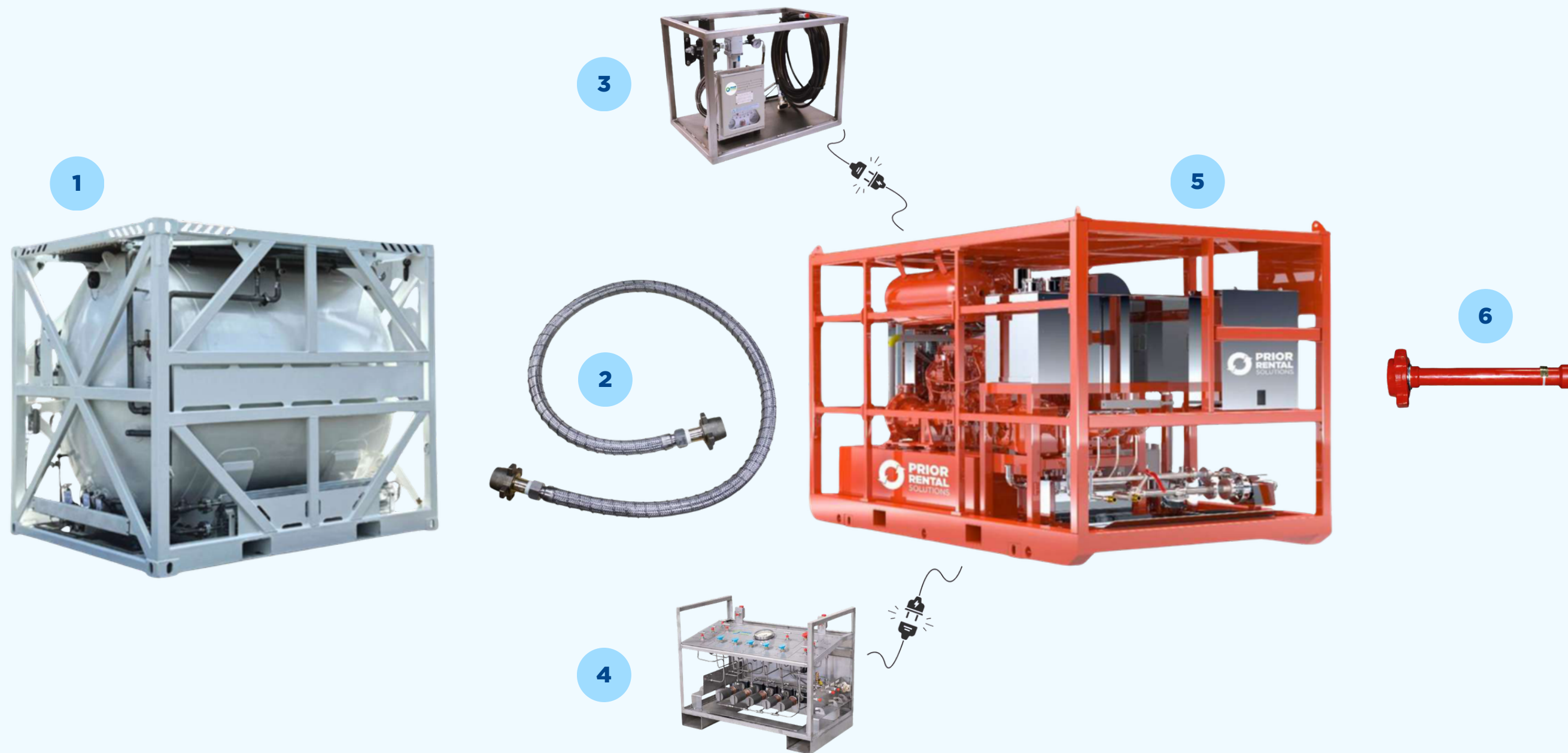
Safety

Integral bund, two emergency stops, bund shutdown, drain tank overflow shutdown, high pressure shutdown

Integral sampling points

Integral drain points

Package Flow – Integrated Solutions



- 1. 2000usg Cryo Tank
- 2. NIT150 Transfer hose
- 3. Temperature shutdown skid
- 4. Over pressurisation skid
- 5. Nitrogen Pump
- 6. 2" 1502 outlet

Standard Features

Our modular build process allows for straightforward future upgrades to retain value in equipment by meeting changing operational needs and technological advancements to improve sustainability.

DESIGN FEATURES (180k Non-CE Unit)

Area classification	Zone II
Design	DNV 2.7-1 certified skid
Maximum flow rate	180,000 SCFH
Maximum working pressure	10,000 psi
Maximum flow rate temperature	21°C
GN2 discharge temperature	21°C

SAFETY FEATURES

- Engine overspeed
- High exhaust gas temperature
- High engine coolant temperature
- Low engine lube oil pressure
- Low hydraulic oil level
- Spark arrestor silencer
- Emergency stop button



Technical Specification (180k Non-CE)



UNIT DIMENSIONS/WEIGHT

Length	4,500 mm
Width	2,438 mm
Height	2,590 mm
Weight	c9,500 kg (MGW 10,000 kg)

PUMP SPECIFICATION

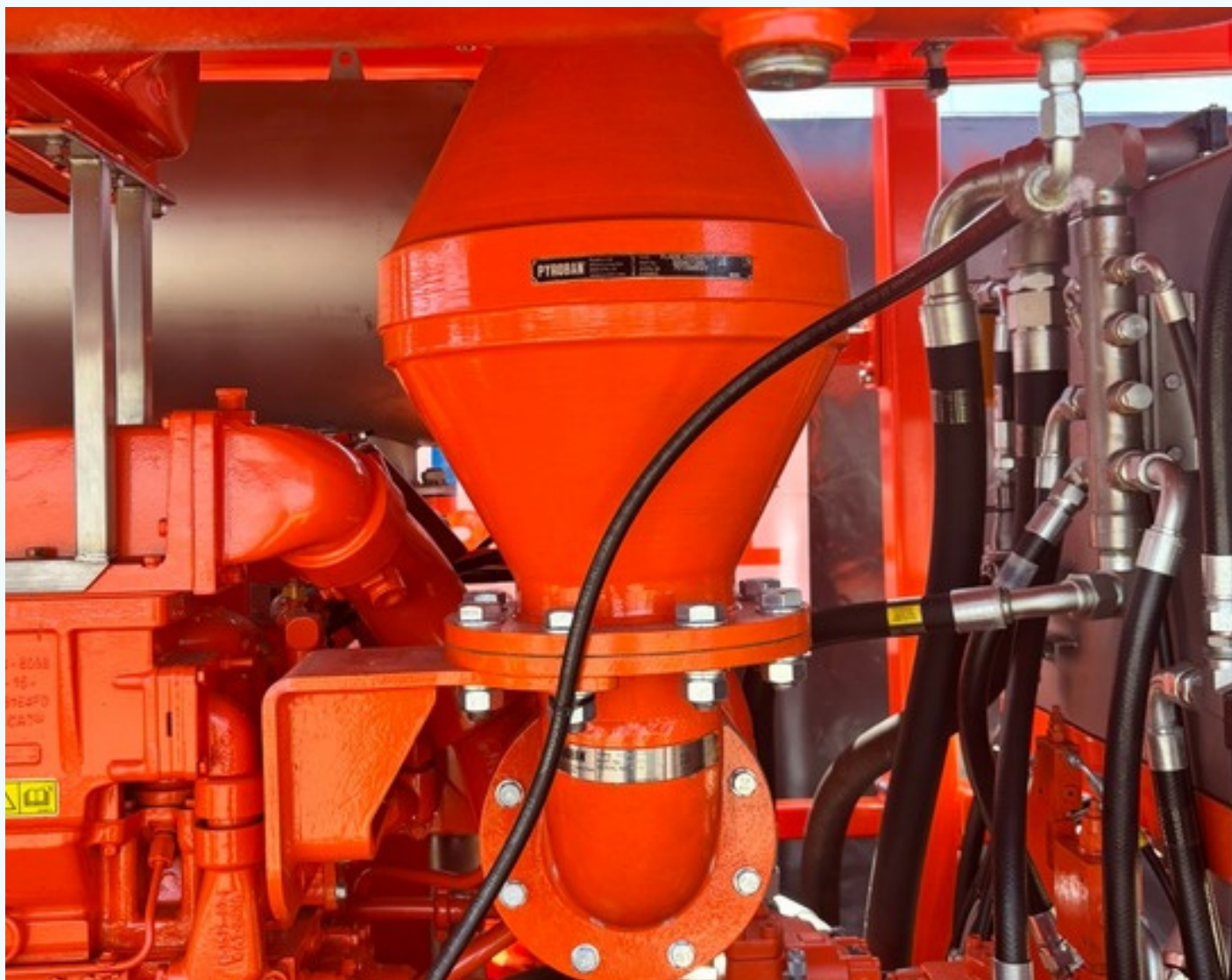
Make/model	ICPE 200
Max input pressure	240 HP
Cold end	1.625"
Maximum working pressure	10,000 psi
Maximum flow	3,000 SCFM

ENGINE SPECIFICATION

Make/model	Caterpillar 3406
Diesel tank capacity	540 litres
Starting method	Air start

Ever Clear Exhaust Flame Arrestor

Our nitrogen pumps are fitted with **Ever Clear Exhaust Flame Arrestors** which require minimal maintenance.



Benefits

- Reduced cleaning = **Environmental benefits**
- Long service intervals = **Reduced operational costs**
- Reduced down time = **Increased productivity**
- Reduced manual handling = **Improved safety**

1,000-hour flame trap service intervals

***“Clients’ importance is in the DNA of
Prior Power Solutions”***

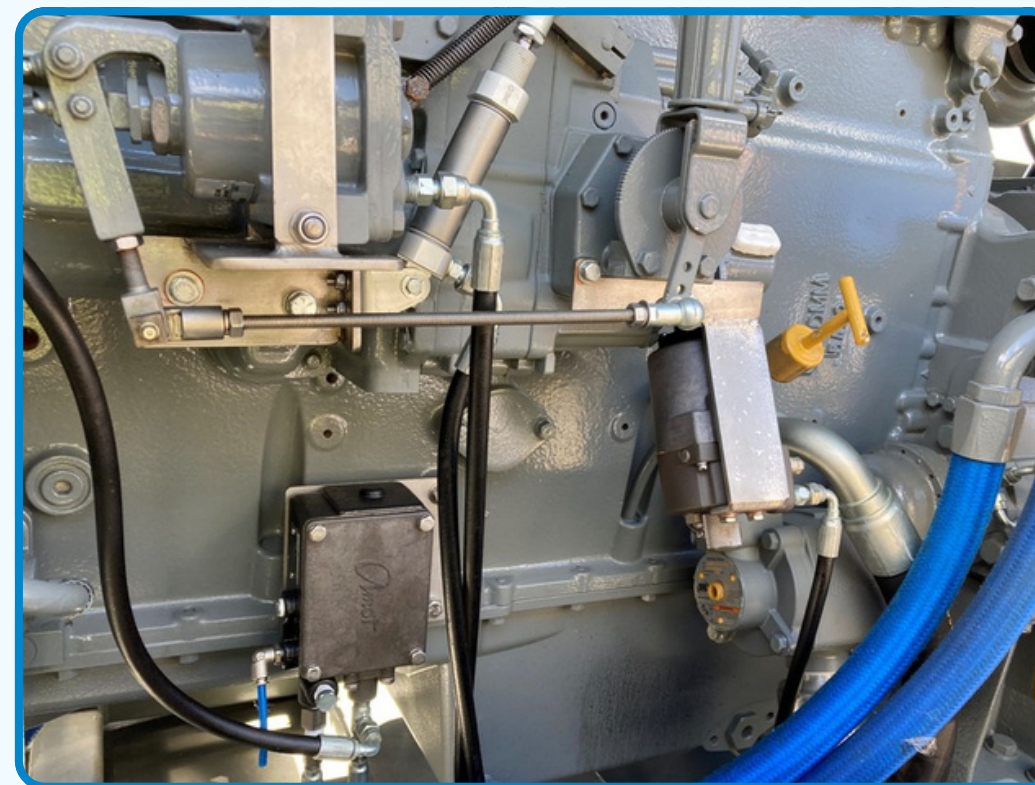
Testimonial, PRS Customer

Features

Our nitrogen pumps are built with ease of maintenance at the core. Well maintained units are **reliable**, minimise downtime and reduce breakdown costs. In addition to the base clear of obstructions for washing down:



Photoluminescent gauges as standard to ensure accurate readings in low ambient light



Fillers and level checks are **coloured for easy recognition** and are positioned for easy access



Filter list attached to unit to **aid routine service**

Spares and Maintenance

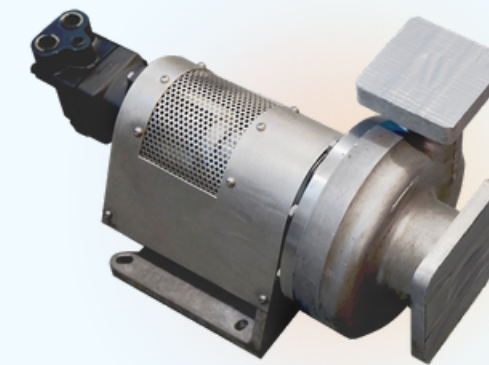
Reduce non-productive time (NPT) with specialist parts for nitrogen pumps as well as critical spares packs



Critical Maintenance Packs



Cold Ends



Boost Pumps



Gauges



Hoses



Valves

Equipment Familiarisation Training

Equipment familiarisation

OEM Training

As the original equipment manufacturer (OEM), we provide comprehensive equipment familiarisation training for our products including nitrogen pumps, fluid pumps, generators, and compressors. Delivered by one of Prior Power Solutions' senior engineers, the training can be delivered at any worldwide location or at our manufacturing and testing site in Great Yarmouth, UK. Delivered in small groups over a couple of days, certificates are provided to delegates successfully completing the course.

Safe operation of equipment

Understanding how to properly operate equipment reduces the risk of accidents, injuries, and damage. Proper training ensures that operators are aware of potential hazards and can help prevent accidents and injuries.

Minimise non-productive time

Familiarity with equipment is crucial as specialist equipment can be damaged if not operated correctly leading to costly downtime. Our training includes preventative maintenance tasks, which can mitigate NPT.

Safeguard valuable assets

Improper starting up, shutdown and operation can damage valuable components. Our training ensures that equipment is used correctly, reducing maintenance expenses associated with repairs and replacements.



What does it cover:

Our training can be tailored to your individual needs, and includes both classroom-taught and practical demonstrations with hands-on training

***“Training was excellent and trainer was very helpful
- all information was clear and informative”***

Testimonial, PRS Customer

Equipment Familiarisation Training

As the original equipment manufacturer (OEM) we provide comprehensive equipment familiarisation training for our products including nitrogen pumps, fluid pumps, generators, and compressors.

Our training can be tailored to your individual needs and includes both classroom-taught and practical demonstrations with hands-on training.

- Health & Safety
- Key features of equipment
- Control panel
- Installation and pre-start checks
- Starting and warming engine
- Cooling down of unit
- Pumping
- Shutting down
- Running/warning lights
- Emergency shutdown
- Daily inspections
- Planned preventative maintenance
- Routine inspections
- Cryogenic cold end replacement
- Cleaning Ever Clear
- Troubleshooting





The Right Equipment. The Right Support.



High quality
equipment – direct
from manufacturer



Easy operation with
maintenance at the
core of design



Reliable equipment
with assurances of
British Manufacturer



24/7 technical
assistance and full
parts and service
back up



Request Rental

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