

HAZARDOUS AREA

Offshore

LITE

CALDER
A PG FLOW SOLUTIONS COMPANY



INNOVATION THROUGH EXPERIENCE >>

www.calderltd.com

Offshore LITE

The very best in offshore

Introduction

The Calder Offshore LITE range of hazardous area pump and vacuum units is an innovative solution for facilities which have reduced crane lift capacity.

Unit gross weight of less than 4,500 kg makes the range truly lightweight. Considerable space saving is achieved through the small footprint which benefits most platforms, in particular, those with

limited deck space.

Through sound design, careful component selection and demanding assembly and test procedures, the Offshore LITE range will provide operators with the reliability and long service life for which Calder units are known worldwide.



Diesel HP Pump

A lightweight solution for well intervention, water jetting, well integrity, pipeline/processing and drilling sectors. These self-contained diesel driven units are versatile and can be deployed to Zone II hazardous areas. The unit can be configured with a wide range of flows and pressures.

Performance

Flow: up to 246 lpm

Pressure: up to 3,000 bar



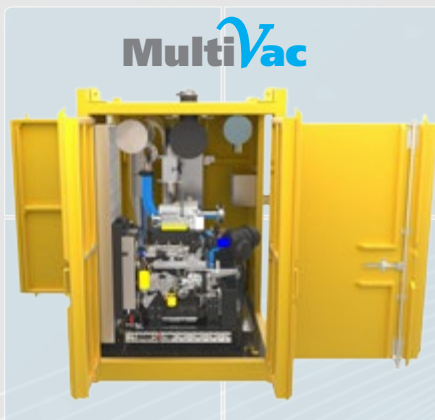
Diesel High Flow Multistage

Reliable, small footprint, lightweight solution offering high flows for a wide range of well intervention and testing solutions in hazardous areas.

Performance

Flow: up to 2,025 lpm

Pressure: up to 30 bar



Diesel Vacuum - Positive Displacement

This self-contained package is suitable for a range of offshore vacuum applications such as waste removal, liquid recovery, material transfer, high flow ventilation and pigging, de-scaling and de-sanding support.

Performance

Flow: up to 42 m³/min

Pressure: up to 500 mbar

Key Features

- Less than 4,500 kg gross weight
 - Small footprint
 - DNV 2.7-1 compliant container
 - ATEX hazardous area rated
 - Lifting slings
 - Fork-truck slots
-
- Diesel units - up to 70 kW



Equipment just got smaller



Hazardous Area

For use in Hazardous Areas

Through design, and component selection and certification, our OffshoreLite units are manufactured to suit your Hazardous Area requirements. Electrical equipment can, when required, be supplied to suit your specifications, e.g. ATEX, NORSOK, IECEx, Diesel - Zone II, Electric Zone I or Zone II.

Offshore

- Control panel with external access
 - External fuel fill (diesel units)
 - Inlet/Outlet manifold
 - Easy access for maintenance
 - Lockable access doors
 - Sound attenuation
-
- Electric units - typically 37 kW
 - Electric units - designed to operate from a standard 63 amp 3 phase socket



MultiJet



A red industrial unit with a worker in blue overalls standing next to it. The unit has its doors open, revealing internal components.

Electric HP Pump

The high pressure water jetting package is suited to a variety of applications including coatings removal, surface preparation, and cold cutting. A versatile unit for superstructure repair, fabric maintenance, and decommissioning projects.

Performance
Flow: up to 246 lpm
Pressure: up to 2,450 bar

MultiStage



A red industrial unit with a worker in blue overalls standing next to it. The unit has its doors open, revealing internal components.

Electric High Flow Multistage

This compact Multistage High Flow pump unit is designed for well intervention and pressure test applications for operation in hazardous areas on offshore facilities.

Performance
Flow: up to 2,025 lpm
Pressure: up to 20 bar

MultiVac



A red industrial unit with a worker in blue overalls standing next to it. The unit has its doors open, revealing internal components.

Electric Vacuum - Positive Displacement

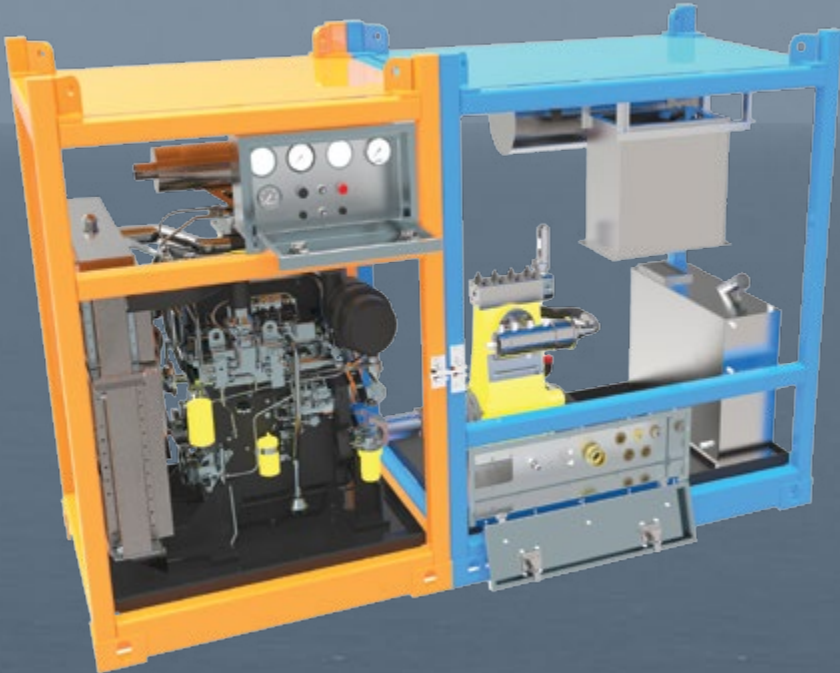
An extremely versatile package which can be used for hazardous area operations such as waste removal, liquid recovery, material transfer, high flow ventilation and pigging, de-scaling and de-sanding support.

Performance
Flow: up to 36 m³/min
Pressure: up to 500 mbar

HAZARDOUS AREA

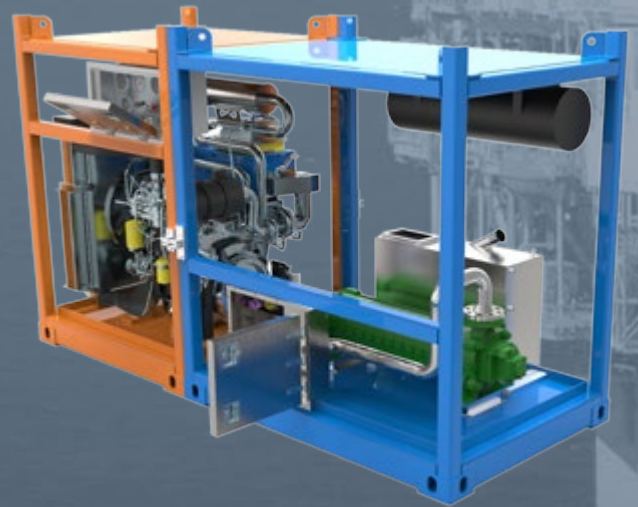
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MODULAR

Two-piece units with a maximum of 1,500 kg per lift are available for the high pressure pump, vacuum and high flow variants.



BESPOKE

Heliportable

For a remote location accessible only by helicopter, Calder was tasked with the design and build of two modular pump packages – each section to weigh a maximum of 3,500 kg. Using creative techniques of design and manufacture, two pump units were built and delivered in a configuration that allows separate component air lifts for easy assembly on the remote jobsite ensuring swift deployment.

| Standards & Specifications:

Calder pump packages comply with most international standards and specifications including:

ATEX | IEC | GOST | EN | DNV | API | ANSI | PED | AS/NZ | NORSOK | NACE | CE | PED



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