

HAZARDOUS AREA

# Offshore CALDER

LITE



INNOVATION THROUGH EXPERIENCE >>

[www.calderltd.com](http://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.



**MultiJet**

### 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



**MultiStage**

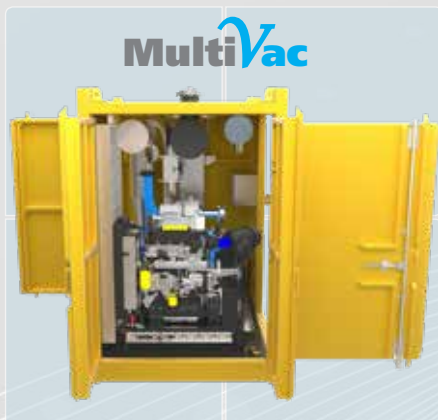
### Diesel High Flow Multistage

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



**MultiVac**

### 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 m<sup>3</sup>/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

# CALDER



## 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

### 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

### 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

### 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 m<sup>3</sup>/min

Pressure: up to 500 mbar

HAZARDOUS AREA

# Offshore LITE CALDER

LITE



## 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



Calder Ltd reserve the right to alter specifications and data to incorporate improvements in design.

Calder Ltd  
Prescott Drive  
Warndon  
Worcester  
WR4 9NE  
United Kingdom

web : [www.calderltd.com](http://www.calderltd.com)  
email : [sales@calder.co.uk](mailto:sales@calder.co.uk)  
tel : +44 (0) 1905 751790