

Vacuum Fluid Retrieval Unit for Offshore Use**Description**

The Tasman Vacuum Fluid Retrieval System was designed for the retrieval of Synthetic Oil Based Drilling Fluids.

The unit consists of a Vacuum collection vessel; blower unit and explosion proof electric motor. The blower unit and electric motor are housed in a soundproof enclosure. The unit is enclosed in its own certified lifting frame with forklift slots and rated padeyes for craneage.

The electric controls consist of a start/stop station on the unit and two explosion proof remotes on 30m leads. These remotes are mounted in the working area, and can be moved to different locations. All electrical equipment has Class 1 Zone 1 ex rating and all remote and control circuits are intrinsically safe.

There are several safety features incorporated into the Tasman Mud Vacuum Unit:

- The Main Isolator on the Local Control Panel is lockable in the OFF position. The Isolator must be OFF and locked to prevent the possibility of the unit being started from one of the remote stations when the unit is being worked on.
- The 24VDC Control Circuit is intrinsically safe.
- Vacuum relief valve set to 6.5 psi.
- Pressure relief valve set to 6.5 psi.
- Level control switch to indicate high level and shut down system.
- Auto overheat shutdown switch on blower.
- Float shutoff valve to prevent overflowing of collection vessel



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General Specifications

MOTOR:	Explosion proof 15kw, 460 volt 3 phase 60hz @ 3,500rpm, or 415 volt 3 phase 50hz @ 2,950 rpm, c/w starter, direct on line
BLOWER CAPACITY (ft ³ /min):	275
HOSES:	Hoses, hard piping, hydrants, adaptors and wands are provided to suit the application
DRAIN:	4" camlock female connection
POWER CABLE:	45m x LPE Bronze braided neoprene – standard 32 amp 3 phase
VESSEL:	1,800L recommended draining at 1,250L

Dimensions	Blower Package	Vacuum Tank Package
LENGTH in (m):	69 (1.75)	59 (1.5)
HEIGHT in (m):	75 (1.9)	86 (2.2)
WIDTH in (m):	50 (1.275)	51 (1.275)
DRY WEIGHT lb (kg):	2,000 (900)	1,900 (850)

Total Minimum Deck Space Required = 4.2m² (1.275m x 3.25m)