

# VORTEX

## SUBSEA SOLUTIONS

# HURRICANE

# 6-INCH



# Ashtead Technology

Dredge Kit Specifications

PATENTED

# Introduction

The most powerful 6-inch ROV and diver dredge in the world has just become even more powerful with the PATENTED HURRICANE 6-inch at 52 kpa vacuum.

Minimal component weight and size and environmental concerns are addressed through high efficiency, low energy, high output dredge systems

Our client's have been considered with the most complete dredge system available on the market today.

## Applications

### Operational Features:

- 52kpa (15.3in/hg) vacuum available at suction hose inlet.
- A very comprehensive list of components and spares in one kit dramatically lessens mobilization time and cost.
- Dredge to ROV mounting plate included in kit.
- True 6-inch performance with minimum 149 mm internal diameter over entire Venturi dramatically reduces blockages.

### Heavy duty dredge operations:

- Salvage and marine science operations.
- Work class ROV construction and drill support.
- Relocation of drill cutting, mud, silt, sand, rocks.
- ROV and diver operated.

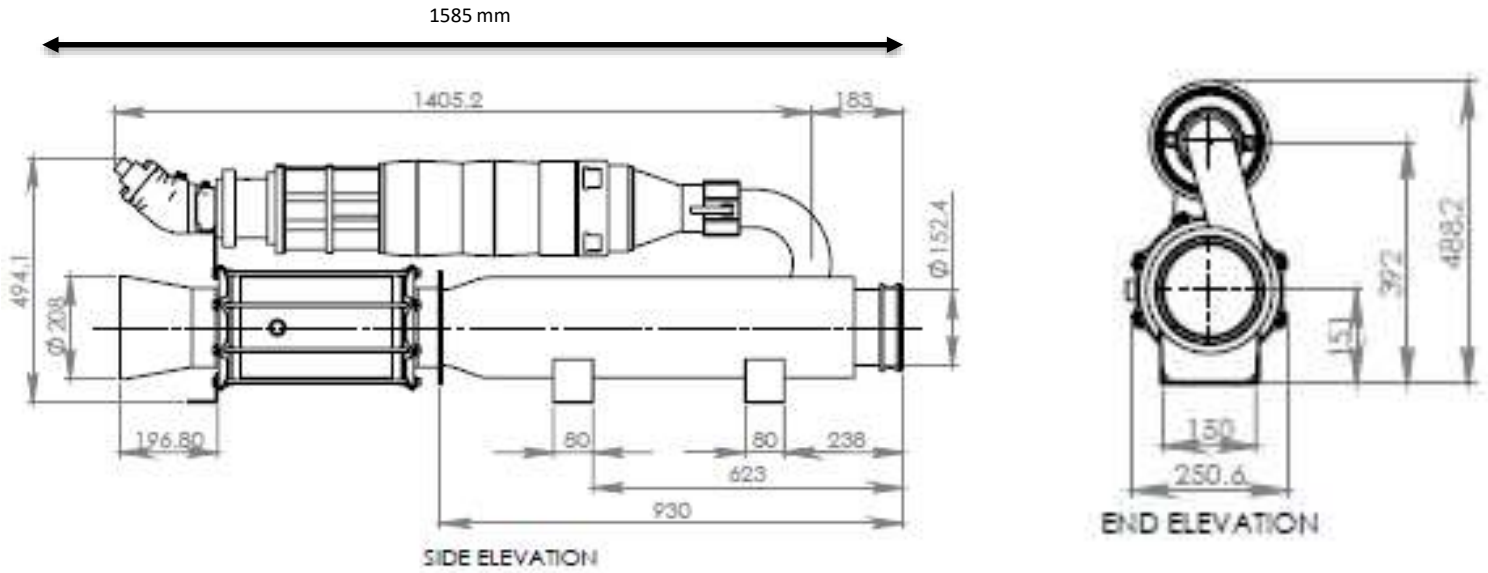


# Specifications

- Removal rates\* based on actual material moved during testing using Magnetite black iron sand and rocks weighing 2.375 kg per liter
  - \* 60 to 80 plus ton / hr
  - \* 30 plus cubic meter / hr
  - \* 10 plus % solids by volume
- Hydraulic supply required:
  - 80 lpm (21.1 gpm) and 206 bar (3000 psi)
- Hydraulic hoses supplied: Pressure and return = 4 mtr long, 4000 psi (275 bar) rated. -12 jic female swivel ends.
  - Case drain = 4 mtr long, 1000 psi (68 bar), -6 jic female swivel ends
- Suction capabilities = 52 kpa (15.3 in/hg) using 85 lpm and 206 bar
- Pump weight in air 99 kg (complete pump unit)
- Pump weight in Seawater 76 kg (complete pump unit)
- Suction hose inside diameter = 150 mm
- Actual internal dredge diameter = 150 mm
- Potential debris diameter = 148 mm
- Shipping box = 176cm long x 58cm wide x 74cm high x 226kg
- Swivel suction nozzle included in kit
- Your safety is your responsibility: If you don't know, please ask.



**DO NOT RUN PUMP DRY: MUST BE RUN IN WATER**



**Shipping box:**

- 176 cm long x 58 cm wide x 74 cm high.
- 226 kg weight



# VORTEX

## SUBSEA SOLUTIONS

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