



## Vortex 6" Modular Dredge

Configure it to fit your ROV or diver spread

The 6 inch dredge is a fully modular system designed for multiple integration options, installing each component on the host ROV using the supplied brackets and frames. This 6 inch dredge has shown under real-world conditions to provide suction performance of 64kpa using the patented vortex venturi. The hurricane 6 inch is capable of higher suction values. Removal rates are actual figures using magnetite iron sand and rocks at 2.375kg per litre.

### Applications

- Work-class ROV construction
- Work-class ROV drill support
- Relocation of mud, silt and rocks
- Relocation of drill cutting
- Marine archaeology
- Salvage operations

### Features

- True 150mm / 6in performance with 150mm / 6in internal diameter
- 64kpa (18in/hg) of suction
- Reversal valve
- ROV or diver operable
- Floatation (optional)

### In the box

- Modular dredge kit in frame
- Reversal pump
- Pump spares kit
- Operational hoses
- Operations and maintenance manual



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## Specifications



Debris removal rates (ton / hr)	80t per hour, 30m <sup>3</sup> /hr, 10 to 12% solids by volume
Venturi inner diameter	150mm / 6in
Rated maximum stone size	140mm / 5.5in
Combined water pump flow	360m <sup>3</sup> /hr
Suction hose diameter	150mm / 6in
Exhaust hose diameter	150mm / 6in
Inlet suction hose length	4m / 13.1ft standard to custom length
Exhaust throw length	1.7m / 5.5ft standard to custom length
Hydraulic flow required	100lpm / 26gpm minimum
Hydraulic pressure required	207bar / 3000psi
Operating depth	3000m / 9842ft
Available suction at inlet	80kpa
Optional Jetter nozzle water pressure	5.5bar / 80psi
Weight of each pump in air	45kg / 99lbs
Weight of each pump in water	29kg / 64lbs

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