



## Vortex Marine Growth Sampler

### Capture marine samples for analysis

Vortex marine growth sampling tool is designed to remove samples of marine growth from it's habitat, suck the samples from the removal area and contain the samples in one of seven numbered sample bags for the purpose of recovery to deck and further scientific analysis of the samples.

The tool is used in conjunction with a vortex dredge pump and 2 ½ inch venturi to create the vacuum needed suck the samples to the bags.

Sample 'bags' are built with cam lock fittings to minimize on deck time of the ROV when swapping out used sample bags for new ones. Sample bags are made of an inner liner with a sewn mesh with holes of approximately 1mm x 1mm square. The outer bag is a woven nylon mesh of approximately 1mm x 1mm square. The outer bag is only in place to protect the inner liner and its contents. The outer bag is re used on the next sample by fitting a new inner liner to lessen environmental footprint through recycling the outer bag.

#### Applications

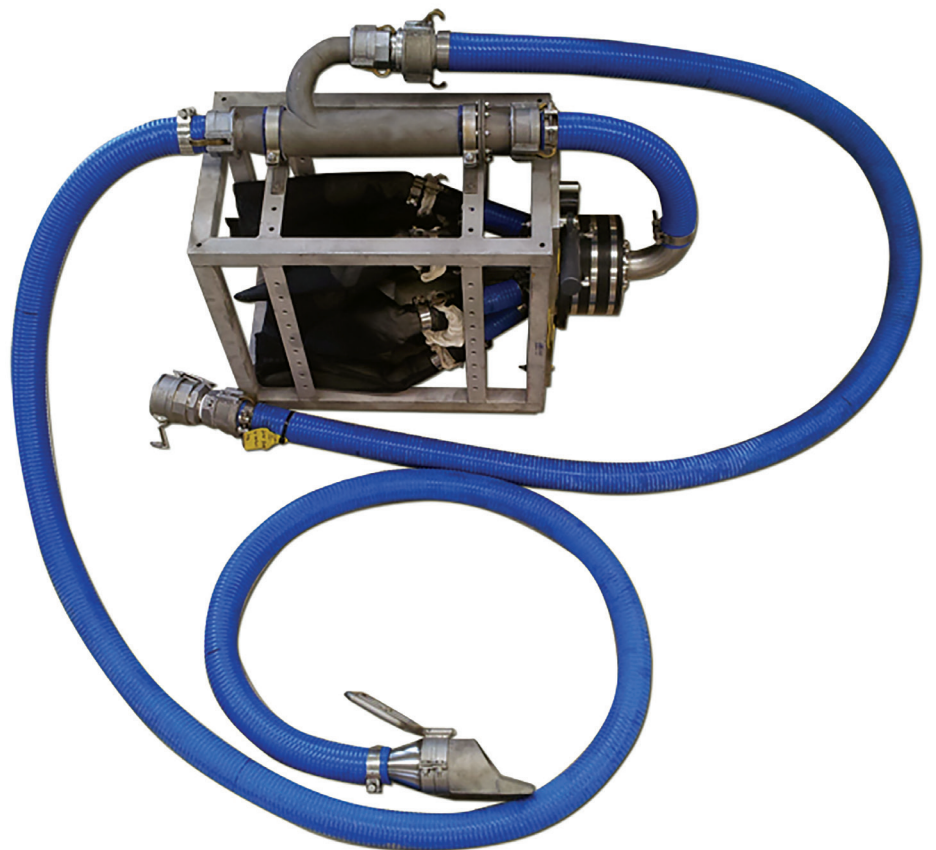
Jacket leg growth sampling  
Seabed organism sampling

#### Features

Self contained system  
Variable vacuum at sample nozzle  
No pump impeller to damage samples

#### In the box

Marine growth sampling tool  
Mounting frame  
Sample bags  
Pump spares kit  
Operational hoses  
Operations and maintenance manual



# Vortex Marine Growth Sampler

## Specifications



Maximum pump pressure	207bar / 3000psi
Maximum pump flow	40lpm / 10.5gpm
Venturi pressure range	34-207bar / 493-3000psi
Venturi flow	6lpm / 1.58gpm minimum
Weight in air	50kg / 110.2lbs
Weight in water	30kg / 66.1lbs
Individual sample bag size by volume	2 litres / 0.5gal approx

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