

Electric Vibrocorer



Seabed Electric Vibrocorer (SVC) series

The SVC-series have a long track record and are successfully being used by our clients world wide on various types of soil including soils containing gravel.

The Seabed vibrocorer has been designed to obtain cylindrical cores in soft, cohesive soils at a maximum water depth of 50 meters (standard version).

After the unit is placed on the seafloor, the electrical vibration head drives the core-barrel containing the PVC core-liner into the seafloor. The stationary piston system assist in the intrusion of seabed sediment into the barrel with minimum disturbance. After recovery the vibration unit and core can be rotated in a horizontal position to facilitate the removal of the liner with the sample. The slide indicator enables you to check the achieved penetration.

The standard range of vibrocorers includes 3, 4 and 5 meter frames but other lengths are available on request. Two core diameters are available, Ø70mm or Ø108mm.

When all components are mounted to the base frame the whole unit is relatively easy to transport by 20ft container.





Seabed Electric Vibrocorer specifications

The Electric Vibrocorer consists of the following component			
Frame	Ground plate (incl. two long pipes) Tension wires removable guiding posts and steel tension wires Electric vibration unit in swing frame with barrel adapter		
Coring system	Corebarrel Stabbing shoe Corecatcher Liner Piston and piston wire		
Various	Hoisting cable Various tools Control bunit with remote winch and cable Optional: Frequency controller		
Technical specifications			
	SVC 300E	SVC 400E	SVC 500E
Transport L x W x H	500x176x120 cm	500x176x120 cm	580x176x120 cm
Operational L x W x H	500x176x420 cm	500x176x520 cm	500x176x640 cm
Weight	1000 kg.	1100 kg.	1200 kg.
Max Penetration	275 cm	375 cm	475 cm
Max Working Depth	50 meters (standard)		
Drive	2 Synchronized electrical motors		
Voltage	3x380V / 50 Hz		
Power	2 x 1,9 kW		
Sampling System	76 x 2 mm. or 108 x 2 mm. barrel		
Other sizes of Vibrocorers are available on request. For water depths over 50 mtr, price on request.			

Specifications are subject to change without prior notification.

Contact us

For more information please call +31(0)206368443
or visit our website, www.seabed.eu



Getting to the bottom of things.