



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, $\varnothing 70\text{mm}$ or $\varnothing 108\text{mm}$. When all components are mounted to the base frame the whole unit is relatively easy to transport by 20ft container.



Seabed Electric Vibrocorer specifications

Contact us

For more specific information concerning how we can assist your organization's needs, please call +31(0)20 636 84 43 or visit our website for more information & all our contact details, www.seabed.nl

The Electric Vibrocorer consists of the following components

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	500 x 176 x 120 cm.	500 x 176 x 120 cm.	580 x 176 x 120 cm.
Operational L x W x H	500 x 176 x 420 cm.	500 x 176 x 520 cm.	500 x 176 x 640 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	3 x 380V / 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.



Getting to the bottom of things