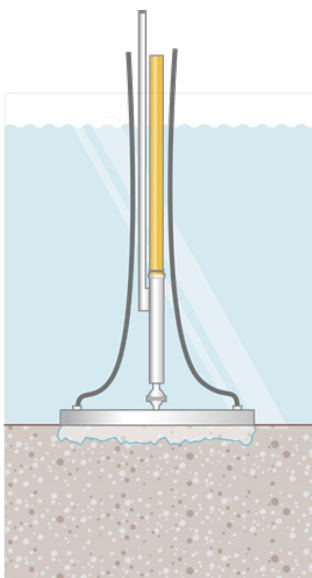




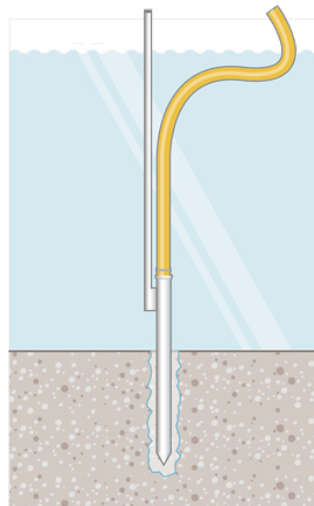
Freeze-Tec

The Freeze-Tec sampling technology consists of three sampling techniques that allow for accurate sample recovery at precise depths and profiles within a sludge or sediment.



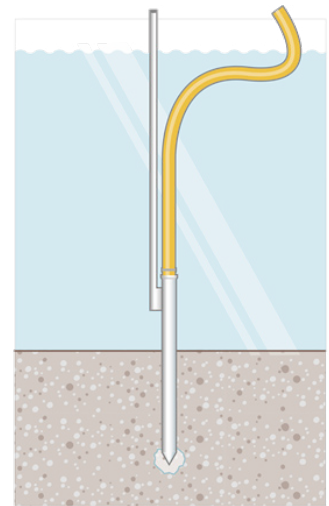
ROV Dredging Plate

The standard ROV (Remotely Operated Vehicle) 20 x 20 cm dredging/object rescue plate is a multi-tool. It is designed to pick up small objects or a sample of the top layer of a sludge or sediment. It can also be used as a miniature dredging plate for clearing at the surface of a sediment or sludge.



Reverse Core Sampler

The reversed core sample takes a sample 2 to 20 mm thick from the entire length of the penetrated sludge or sediment. Its design is unique for reading the different dry substance percentage levels in the sludge or sediment. When the sample is extracted the sediment or sludge will remain frozen to select the samples for collecting.



Specific Depth Sampler

The specific depth sampler is designed to self penetrate down to the chosen depth of the sludge or sediment in order to take a non-contaminated sample at depth. The size of the sample can be decided in real time and can be varied from sample to sample. A 25 ml sample takes approximately 58 seconds to freeze.

Freeze-Tec Sampling Benefits



Customisable

- Able to sample all known types of sludge and liquids that contain water
- Able to sample specific depths and volumes
- Portable solution allowing it to be used in controlled environments using manually operated or ROV equipment
- Can sample at depth in soft or stiff material
- Can sample without altering material properties
- Samples can be distinct or full core



Precise and Accurate

- Precision layer sampling, 0 to 2m sediment depth
- Sampling points selection with accuracy



Enhance Process Safety

- Sampling process tailored to comply with specified protocols for handling, transport, and storage of collected samples
- Clean removal of sample with no cross contamination

Sampling techniques that allow for accurate sample recovery at precise depths and profiles

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