

Wastap water and gas sampler

General Principle

The WASTAP sampling system is used for obtaining samples of both water and gas at discrete depths, without the issues of cross-contamination.

Operation

The WASTAP is pushed to the desired test level using standard 36mm CPT rods or 56mm casing rods. At the test level the WASTAP is pulled back enabling the filter to be opened. Then sampling can commence.

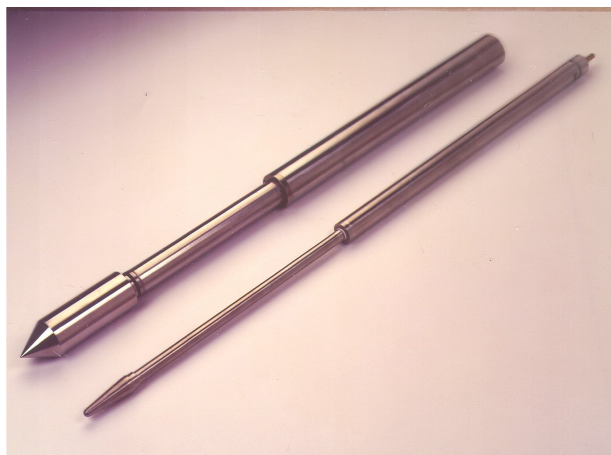
Groundwater sampling

The WASTAP provides two methods for water sampling; one in which the sample is pumped up to the surface, another in which the sample is collected in a container within the sampler:

- In the first method an electrical or hand-operated vacuum pump is used to pump the water up to the surface from the test depth through a silicone hose. The maximum test depth is restricted to about 8 metres below groundwater level.
- In the second method a 0.5 litre container is used. At the desired test depth the container is lowered into the WASTAP and locked into position. Then the filter is opened and sampling can commence. There is no restriction for the test depth.

Gas sampling

In unsaturated soils, gas can be sampled, either by pumping it up the same way as water, or by letting it escape by its natural pressure. The samples are recovered in membrane sealed containers for subsequent laboratory testing.



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