

BAILER SAMPLERS

The stainless steel and the teflon bailer samplers have been developed to sample still water (or other fluids) at any required depth.

12.04 Bailer sampler, stainless steel

This bailer sampler consists of a stainless steel tube with a 33 mm diameter and a contents of 250 ml, open at the top-end and fitted with an unscrewable cap at the bottom.

A ball check is fitted in the bottom.

As soon as the water sampler is lowered it can be lifted again. To assure a proper replacement of the contents during the lowering, the sampler is lifted half a meter several times.

Advantages

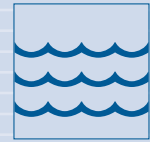
- Simple, light and compact.
- High-grade material prevents contamination of the sample.
- Less volatilization, turbulence and oxidation by emptying of the sampler using an emptying device.
- Easy to clean with diluted acids or lye, alcohols or detergents (sterilisation is also possible).

Applications

Sampling at any required depth, depending on the length of the measuring tape or the teflon coated cable.

Sampling can be executed in open water, tanks, basins or monitoring wells.

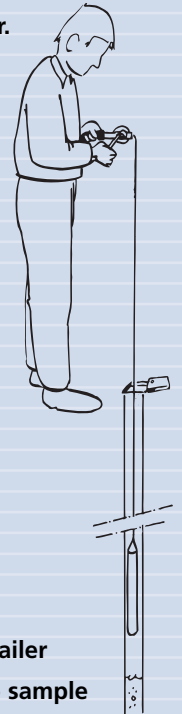
The samples can be used for chemical-, biological- and/or bacteriological analysis.



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In case of more than one sampling the less deep sampling is executed first. The following samplings are deeper and deeper.

This to be able to keep sampling undisturbed water.



A stainless steel bailer sampler is used to sample open water.



Bailer sampler, stainless steel, complete set



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BAILER SAMPLERS

12.16 Synthetic bailer samplers

The bailer samplers of rigid transparent teflon are supplied in various sizes and diameters. A special teflon coated cable can be delivered for lowering and raising the samplers.

For all sizes a teflon emptying device is available to allow drainage of the sampler without any aeration or turbulence.

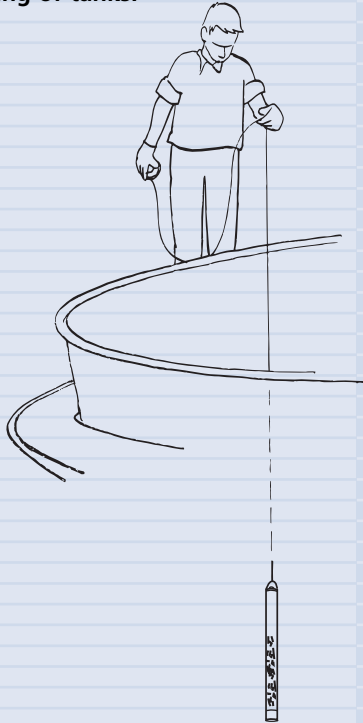
HDPE and pvc disposable bailer samplers including bottom emptying device are also available.

Advantages

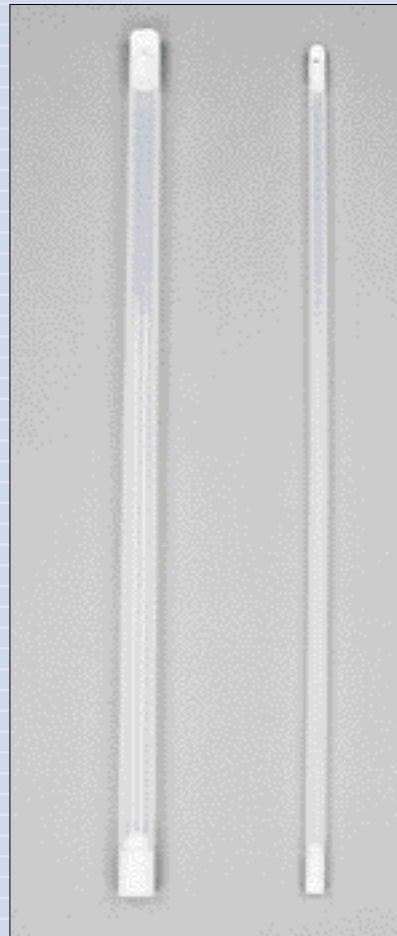
- ❑ The contents is clearly visible; a possible layering can be judged immediately.
- ❑ Teflon is chemically inert and heat resistant to up to more than 250°C and can be used for all thin viscous fluids (except mercury). Teflon has a specific mass of 2.2 kg/cm³.

- ❑ Together with the teflon coated cable a completely inert sampling system for sampling under delicate circumstances (groundwater) or of aggressive fluids, is created.
- ❑ The top section is half closed so that mixing of fluids during the raising is minimal.
- ❑ By dropping the sampler on the level of the liquid it is possible to indicatively catch a floating layer.
- ❑ Available in various sizes, diameters and lengths.
- ❑ Sampling volume varies between 160 and 725 ml.
- ❑ Easy to clean. The whole sampler can be disassembled. Cleaning can be done with acids, lyes, alcohols, detergents (whether or not diluted in water), steam and sterilisation.
- ❑ Clever reels allow efficient use of the equipment and a long life-cycle of the cable.

The teflon sampler can also be applied for sampling of tanks.



Using the emptying device the ball is lifted from its seat, after which the sampler is drained.



Teflon bailer samplers



Emptying devices



Reels