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Filterholder for in-line filtration

12.31.01



The filter holder for in-line filtration is used for removal of soil particles from water samples during sampling. This apparatus has a net filtration area of 130 cm², and it is suitable for use in the field and in the laboratory.

- Net filtration area of 130 cm²
- Simple de-contamination between samples
- Samples only touch PTFE
- Vent assures anoxic field-filtration
- Needed for (trace) metal analyses

Description

The filter apparatus, suitable for field and laboratory, has a net filtration area of 130 cm². Only the medium to be filtered comes into contact with the chemically inert PTFE. The rest of the apparatus consists of stainless steel, which makes it easy to clean in the field. With this filter unit it is easy to free water samples from soil particles.

The filter apparatus can be connected in-line to a peristaltic pump, nitrogen powered gas-lift pump or a bladder pump. Also vacuum filtrations are possible; any vacuum pump can be used for that purpose. The device is not only suitable for 0.45-micron filters. Please note that changing membranes can be difficult under windy circumstances. If the right filter membrane is used, very aggressive liquids and gases can also be filtered.

Applications

- Irrigation research
- Water quality research
- Monitoring water quality
- Water sampling

Specifications

Filterholder for in-line filtration	
Fit for anaerobe in-line field filtration	Yes
Fit for silt loaden water	No
Maximum applicable pressure	3000 kPa
Sample volume	700 ml
Package size	6.2 x 6.2 x 12.9 inch 16 x 16 x 33 cm
Weight	8.97 lbs 4.07 kg

Flow-through cell compact

18.56



Flow-through cell compact for water measurements without air contact.

- Field measurement of (ground)water
- Suitable for 6 electrodes
- Very short response time
- Improves the comfort and precision of in-line measurement
- Easily cleaned

Description

To improve the comfort and precision of in-line measurement of all kinds of parameters of (ground)water in the field (e.g., pH, EC, Temp, O2, etc.), a flow-through cell is used.

The Flow-through cell “compact” is designed for measurements without air contact (anaerobe) and due to its small volume of only 250 milliliter, the response time is very short.

This product is suitable for 6 electrodes, with a maximum diameter of 1 inch (25.5 millimeter). It includes silicone plugs and connection material. The device also features flip-up legs. The flow rate is approximately 2 l/min. To prevent cross contamination, it can be cleaned easily.

Applications

- In-situ
- Field measurement of (ground)water

Set contains

- Flow-through cell
- Silicone hoses for supply and discharge
- Hose clamps
- Silicone plugs

Specifications

Flow-through cell compact	
Volume	9.8 inch 250 ml
No. of electrodes	6 max
Flow rate	Approximately 2 l/min

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