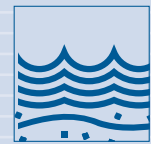


GROUNDWATER SAMPLING CONSUMABLES



You will return to the contents of P2 WATER by clicking the pictogram

P2.02

Advantages

- ❑ Efficient: decontamination and exchanging of a filter membrane are not necessary.
- ❑ Reliability: every filter has been tested for quality.
- ❑ Simple to apply: by single-use the risk of cross-contamination is eliminated.
- ❑ For filter holder and membrane very high grade inert materials have been used.
- ❑ High yield: filter membranes with a very high porosity.

12.20 Tubes and accessories

Depending on the application, various tubes are available for groundwater sampling. The tubes vary in diameter, length, type of material and package.

Polyethylene and silicon rubber tubes are tested within the ETU-hallmark.

During this test the products are subjected to a strict, selective leaching procedure for establishing the degree of discharge of toxicological substances to water.

Polyethylene tube is most commonly used as a transport tube for groundwater samples. To avoid cross contamination to other wells the tube is used only once. The tube meets the physical-chemical requirements as laid down in the DIN 8072 standard and the ETU-hallmark.

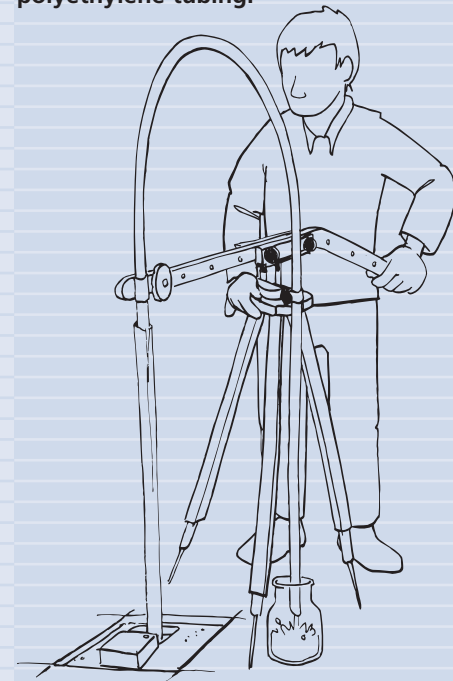
Furthermore there are teflon (fully inert) tubes available as transport tubes in various diameters.

A silicon rubber tube (in various diameters) is applied as pumping tube in combination with the peristaltic pump (manual or electrical). Here too, the tube is replaced before every sampling to avoid cross-contamination. The tube meets the requirements as set by the pharmaceutical- and food industry and the ETU-hallmark.

To prevent that during unrolling tube gets in a knot, it is recommended to apply a tube dispenser. The tube dispenser is suitable for tubes in various diameters.

To avoid that tube endings are contaminated by touching the soil (or slide from the sampler flask) the so called 'third hand' can be applied. It can also be used to clamp 0.45 micron groundwater filters.

Water is sampled using a hand operated foot valve pump with polyethylene tubing.



Various tubes



Tube dispenser

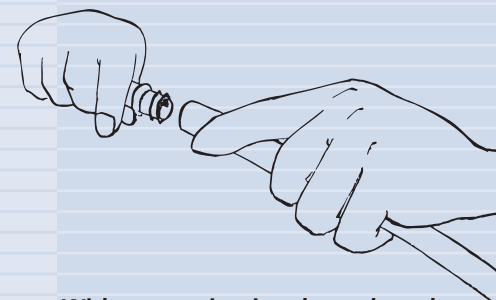


ETU-hallmark

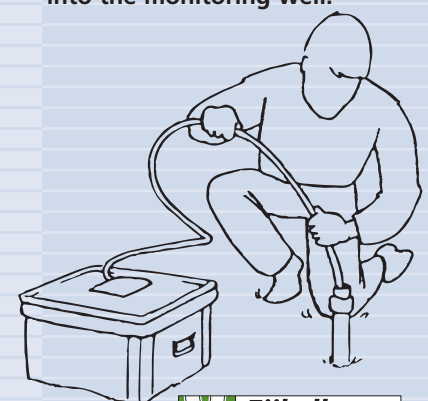


Third hand to hold sample flasks

Mounting a ball valve in a polyethylene tubing.



Without getting in a knot the tube is led directly from the dispenser into the monitoring well.



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