SPE 20

Pore water sampler with Nylon-polyethylene cup

- **Hydrophilic Nylon and porous polyethylene**
- **Low sorption**
- **Defined filtering**
- **Ideal for herbizide und pestizide detection**

The materials used for the cup and which will have contact to the extracted solution are polyethylene and Nylon only.

The supporting socket made of massive PE is covered by a Nylon membrane with a pore size of 0.45 µm. Nylon is extreme hydrophilic and is often used as a filter material, for example for chemical micro filtration.

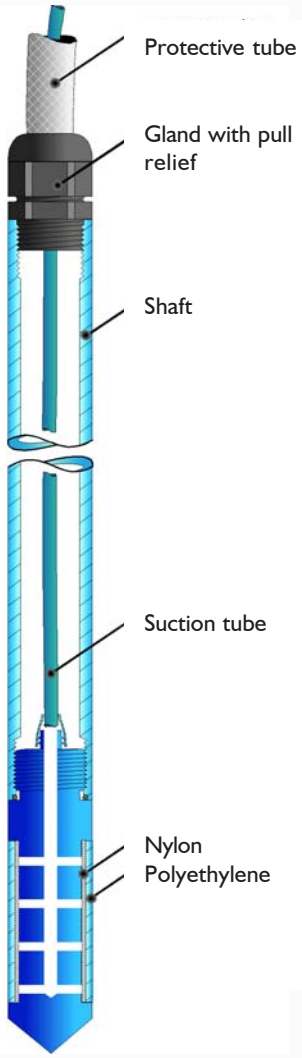
Then, as a mechanical protection a sleeve made of chemical neutral, patented and porous polyethylene is pushed over the membrane.

Thus, the capillary contact to the soil is assured even with soil water tensions over pF 2.

The low sorption and the defined filtering behaviour make the SPE20 the ideal pore water sampler which is especially suitable for detection of herbicides and pesticides.

The complete sampler, shaft and sampling tube are sealed so no water will get into the shaft. A protection rubber disk pulled over the top of the shaft will prevent overground water from running down the shaft.

Shafts are fabricated in any length complying with your request. Over 200 cm, shaft are divided. Several extensions can be connected to allow even very long shaft lengths.



Technical specifications

Shaft	PMMA, ∅ 20 mm
Suction tube	Polyethylene, $\varnothing_{outer}$ 2,8 mm, $\varnothing_{inner}$ 1,6 mm
Protective tube	PVC, reinforced fabric
Cup	Nylon, polyethylene
Dimensions	∅20 mm x 60 mm
Porosity PE	approx. 2 µm
Porosity Nylon	approx. 0,45 µm
Internal borings	3 mm

Description	*Art. No.*
Suction cup	**SPE20**

Indicate shaft and suction tube length on an order.
(Stadard 30 cm shaft and 5 m suction tube)

Produkt Info
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