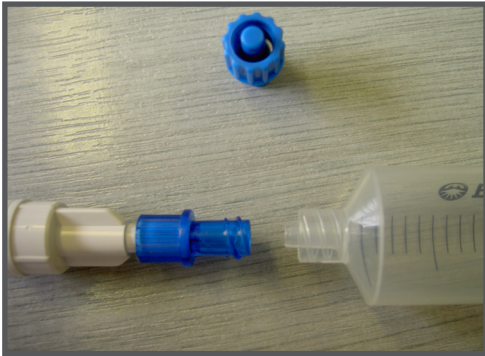


Macro Rhizon



Macro Rhizon for soil moisture sampling in the field when successive soil solution samples are needed from the same volume of soil.

Soil solution samplers for field use

Advantages

- Minimal disturbance of hydraulic properties of the soil
- Minimal ion exchange capacity (less than soil)
- pH is not changed by sampling
- Complete sampling system
- Sample is filtered and can be analysed directly
- Inexpensive.

Accessories

- Extension pipe for MacroRhizon, length 100 cm. Set of 10 pieces
- Extension pipe for MacroRhizon, length 50 cm. Set of 10 pieces
- Extension tubing for MacroRhizon, length 100 cm. with connectors. Set of 10 pieces.
- Extension tubing for MacroRhizon, length 50 cm, wwith connectors. Set of 10 pieces. Incl. 60 cm silicone tubing 6x2 mm.
- Plastic syringe with 10 cm spacer for MacroRhizons, contents 30 ml. Set of 10 pieces.
- Stopcock, 2 way for sampler flushing without vacuum loss.

Specifications

- Consists of 9 cm porous material with a 4.5 mm diameter outside, strengthened by a glass fiber epoxy
- Sampling is done with a syringe
- Yield in water is about 10 ml/min.
- The yield in wet soil is typically 7 ml in 0.1 - 2 hours, depending on soil properties.
- Acceptable pH: 3 - 12, also depends on the corrosive properties of the soil solution.
- Life expectation > 6 months
- Can extract soil solution from depth > 10 m.
- Can be extended using PVC pipe.

Alternatives

For sampling soil moisture in pots a Micro Rhizon can be used. Samplers with ceramic cups are good value alternatives for mobile sampling.