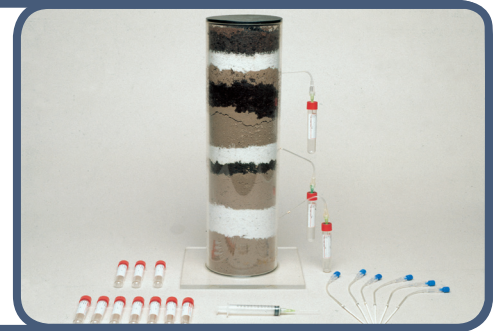




FACT SHEET

Micro Rhizon

For repeated and reliable sampling of all dissolved components in the soil solution.



Mini soil solution samplers ideal for pots and containers

Advantages

- Used for all types of laboratory and field research
- Small diameter, 2.5 mm
- Cost effective for large scale use
- Available as a complete set
- Simple syringes act as pumps and samplers
- Inert construction allows for no ion-exchange
- Can be used to 1 meter depth and extended horizontally
- Frost resistant
- Low dead volume, 0.5 ml
- Minimal disturbance to the soil.

Accessories

- Silicone tubing, 6 x 2 mm, 120 cm length
- Extension tubing, 1 x 3 mm, reel of 50 m
- Set of needles, length 40 mm, including protection cap
- Vacuum tubes
- Plastic syringe with adaptor and spacer
- Connectors.

Specifications

- Bubble point > 2 bar (0.2 MPa).
- Yield in water: 1 bar pressure differential: > 1 ml/min. With a 10 ml vacuum tube the yield in soil is typically 7 ml in 1-16 hours (overnight), depending on soil properties
- Diameter of the porous tube is 2.5 x 1.5 mm.
- Diameter of the PVC tube is 2.7 x 1.0 mm.
- Volume of the lumen 0.2 ml, total dead volume 0.5 ml.
- Acceptable pH: 3 - 12, also depends on corrosive properties of the soil solution.
- Life expectation 6 months.

Alternatives

For sampling soil moisture in the field a Macro Rhizon can be installed to greater depths. Samplers with ceramic cups are a good value alternative for sampling to different depths and when you need a large amount of readings in a short period.