

SK20

(SK20 identical with former type SKP100)

Shaft: Ø 20 mm; acrylic
 Porous ceramic: Ø 20 mm; length 60 mm
 Bubble point: 1 bar
 Suction tube: PE; Øi 1.6 mm; Øo 2.8mm
 Protective tube: PVC; Ø 11 mm

| Item | Art.no. |
|------|--------------|
| SK20 | SK20-.../... |

Indicate required shaft and tube length on an order, e. g. 30 cm shaft and 5 m tube = SK20-30/5

SK20 pore water sampler with removable shaft. For continuous and discontinuous extraction. Suitable for determination of nitrate and common organic and inorganic substances.

Applications

- Continuous extraction
- Discontinuous extraction
- Nitrate, chloride, sulphate, calcium, sodium, ammonium, phosphorus

Benefits

- Very low dead volume
- Shaft and cup exchangeable
- pH range of 4 to 9

Limits

- Not suitable for heavy metals



SIC20

UMS SiC cups are patented.

Shaft: Ø 20 mm; acrylic
 SiC cup: Ø 20 mm; length 60 mm
 Bubble point: 0.9 bar
 Suction tube: PE; Øi 1.6 mm; Øo 2.8mm
 Protective tube: Ø 11 mm, fabric enforced

| Item | Art.no. |
|-------|---------------|
| SIC20 | SIC20-.../... |

Indicate required shaft and tube length on an order, e. g. 30 cm shaft and 5 m tube = SIC20-30/5

Pore water sampler SIC20 with removable shaft like the SK20, but with a SiC silicon carbide cup instead of the ceramic cup. SiC is sintered at 2500°C and is chemically much more passive than ceramic or borosilicate. The bubble point 90 kPa.

Applications

- Continuous extraction
- Discontinuous extraction

Benefits

- High permeability
- Low sorption
- Very low dead volume
- Shaft and cup exchangeable



SKPE25

Shaft: Ø 25 mm; acrylic
 Porous ceramic: Ø 24 mm; length 60 mm
 Bubble point: 1 bar
 Suction tube: PE; Øi 2 mm; Øo 4 mm
 Protective tube: PVC; Ø 11 mm

| Item | Art.no. |
|--------|----------------|
| SKPE25 | SKPE25-.../... |

Indicate required shaft and tube length on an order, e. g. 30cm shaft and 5m tube = SKPE25-30/5

The sampled solution is stored inside the shaft and is collected by applying a pressure to the additional tube.

Applications

- For extraction of soil solution from depths down to 8 meters

Benefits

- Cost effective as sampling bottles are not needed
- The extracted soil water is stored at soil temperature
- pH range 4 to 9

Limits

- Not suitable for heavy metals

