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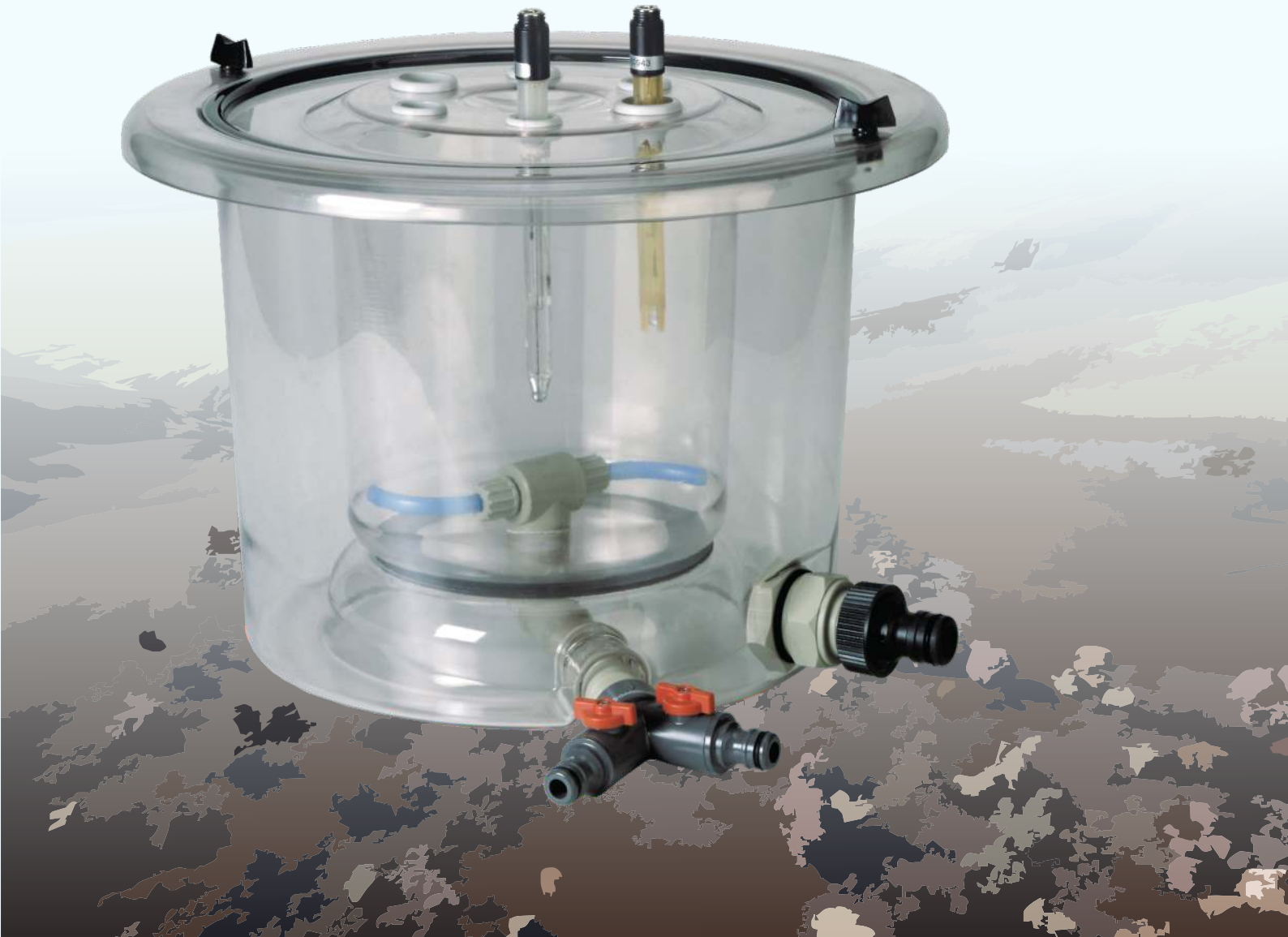
AQUABOX

Flow-through Unit

for the Simultaneous Measurement
of up to 6 Parameters in
Ground Water and Soil Water



AQUABOX

The behrotest® **AQUABOX** flow-through unit is ideal for the on-site determination of water parameters when collecting ground and soil water samples.

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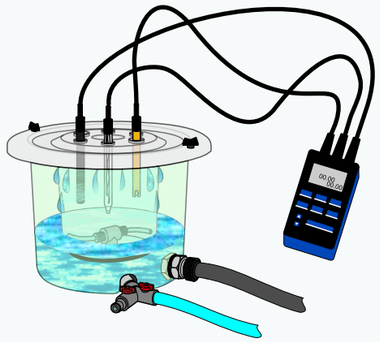
AQUABOX – ideal for use with today's multiparameter measuring equipment.



The unit permits the simultaneous determination of electrical, chemical and physical parameters under optimal and reproducible flow conditions.

The **AQUABOX** is constructed of transparent shock-resistant PETG, a thermoplastic copolyester having good chemical resistance and FDA approval. Transparency enables visual identification of problems at all times during operation (e.g. sand or sediment contamination).

On-site field use is no problem; the unit is rugged and shock-resistant.

The water flow-through rate is adjustable by a valve.

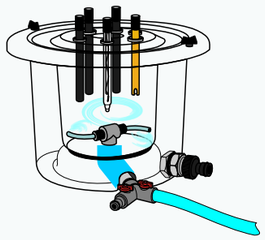
The behrotest® **AQUABOX** can be readily disassembled for cleaning simply by unscrewing the central threaded pipe joint, which can be done by hand without tools.

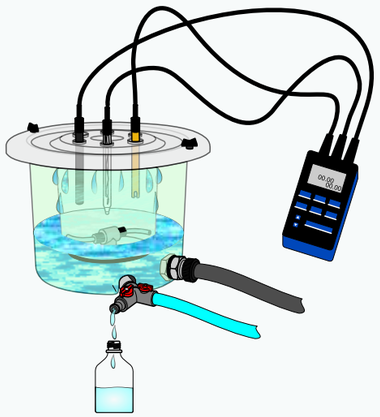
All components, which come in contact with water are constructed either of PETG (lid and flow chamber) or PP (in-flow and out-flow pipes), without use of adhesives. Therefore the water being sampled is not affected by any release of contaminants from the materials constituting the **AQUABOX**.

The lid of the **AQUABOX** is shields against spray/splashes and is easily opened and closed by means of quick-release fasteners. The lid has six variable-diameter splash-resistant ports for inserting sensors/electrodes of up to 25 mm diameter. Ports of larger diameter are available on special order.

At a Glance

- For laboratory and on-site use.
- For permanent installation or transportable use.
- Simultaneous measurement of up to 6 parameters allows rapid repeat determinations.
- Sample collection tap located at **AQUABOX** inlet.
- Optimized flow conditions for sensors.
- Standard pipe thread fittings for hose connection.
- Universal sensor ports accepts all common electrodes.
- Constructed of transparent inert PETG.
- Simple to use.
- Easy to clean.
- Maintenance-free.





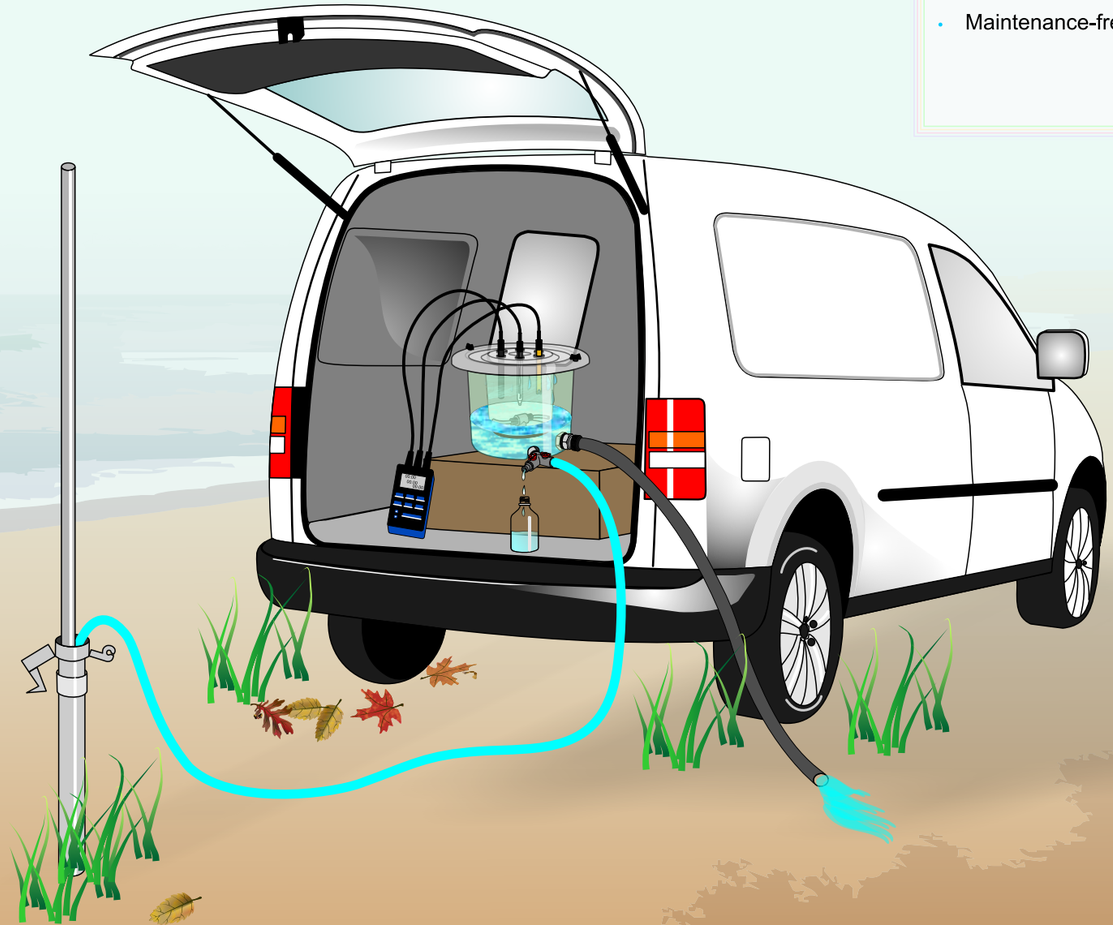
Built for On-site Practice

Within the **AQUABOX** inner container, the water spirals upward around the circularly positioned measurement sensors. The flowing water spirals upward and out over the rim of the central measurement container and exits via a concentric splash-protective outer annular housing.

Six ports are positioned in the lid and acommodate sensors of varying diameter. The sensors are securely held within the optimal flow region.

Sampling and Measurement

Withdrawal of water for sample collection is performed by means of opening a bypass valve, which is built into the water inflow line.

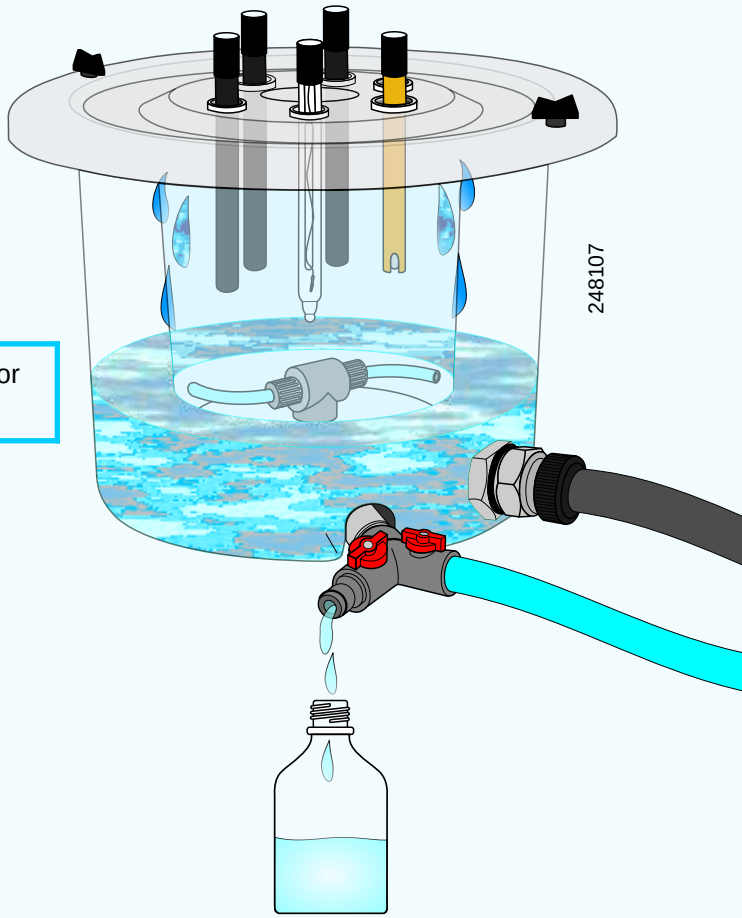


AQUABOX

Flow-through Unit for Water Testing

Technical Data

Max. flowrate:	18 l/min
Volume of sensor compartment:	4,5 l
Volume of overflow annulus:	11,0 l
Dimensions (H x lid dia. in cm):	26,0 x 38,5
Materials:	Lid & body PETG
	Inlet/outlet pipes PP



Order Data

B00217040	behrotest® **AQUABOX** flow-through sensor cell for water parameter measurement

Made in Germany

ISO 9001 BUREAU VERITAS Certification

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Subject to technical change without notice