

Instrumental Analysis with *behr*

behr analytical instruments employ state of the art technology to realize the highest accuracy and reliability for the following analyses:

- AOX, EOX, POX, AOS
- Carbon and sulfur in solid samples

- TOC in liquids and solids

behr provides an extensive range of accessories for our analytical instruments, which contribute to both speed and safety of analysis.

behr-Analyzers for determination of carbon, sulfur and total halogens

Our analyzers for the determination of carbon, sulfur and total halogens are used in many fields:

- Production quality control
- Materials research
- Process control
- Environmental analysis

The quantification methodology employed in our instruments is either coulometric titration or infra-red spectroscopy. For the sample combustion, both programmable infra-red furnaces and high temperature resistance furnaces are available.



behroplast® Plastic Bottles and Containers

Our behroplast® line includes a wide range of canisters, drums and bottles for various uses in the laboratory.

- White or blue polyethylene canisters with spigots securely attached by heat-fusing.
- Hazardous material canisters with UN authorization number and RAL seal of approval for hazardous materials.
- Bottles and jars made of crystal-clear or brown-tinted PET (suitable for foodstuffs).



behropur® Water De-ionizers

The key features of behr de-ionizer units are the advanced water distribution system and use of particularly high quality exchange resin, which enhance both efficiency and capacity of de-ionization to excellent levels.



To find out more ...

Contact us to obtain more detailed information about our products. By phone, mail, fax or e-mail

Or just visit our homepage in the Internet: www.behr-labor.com. You will find a broad range of our products described for you in detail.

behr Labor-Technik: Product Overview





behrotest® Equipment

behrotest® equipment find application in all laboratory analyses of water, waste-water, foodstuffs and agroproducts requiring strict adherence to prescribed analytical methods..

behrotest® DET Systems

The *behrotest®* universal system is a cost-effective alternative for laboratories performing a constantly changing variety of analyses according to the DIN/DEV methods.

The DET system features modular design; accessory kits, with all glassware, water & air tubing, etc. are available for various specific applications. These are used, together with the DET core unit, to assemble complete systems for various individual applications.



behr Labor-Technik

Today's behr Labor-Technik is characterized by our nearly 50 year experience in development, production and sales of laboratory equipment. Over this period, the small family operated company has grown dynamically in order to also serve international customers.

Our products enjoy world-wide renown for quality, practicality and reliability.

Our principal activity is in the production of laboratory equipment for environmental and foodstuff analysis. Today, behr is one of Germany's leading names for water, waste-water and sludge analysis equipment. Our product lines range from the cost-effective *Kompakt* line to fully automated workstations for performance of analyses according to internationally recognized DIN and ISO procedures.

Our analysis equipment is complemented by our line of behropur® laboratory water purification systems and our line of behroplast® PE and PET containers, bottles and canisters.



behrotest® COD Systems

behr offers complete systems for the determination of chemical oxygen demand (COD) according to the DIN procedure. Thermo-regulated heating blocks for 6, 12 or 24 samples facilitate cost-effective and reliable analysis. The user may choose from basic heating block/glassware units to completely automated microprocessor-controlled reagent metering and titration apparatus, which are required for very high sample throughput rates.



behrotest® SMA Heavy Metal Systems

behrotest® SMA digestors are employed to bring heavy metals in sludge and sediment samples into solution by means of aqua regia. Thermo-regulated precision heating blocks for 6 or 12 samples in conjunction with matching peripheral equipment can be assembled into a complete workstation.

The SMA heating blocks may also be used for 30 ml Soxhlet extraction and phosphate sample digestion.



behrotest® InKjel

The behrotest® InKjel infra-red rapid sample digestors are used in the Kjeldahl nitrogen determination.

In addition to the standard 250 ml sample vessels, 500 & 750 ml vessels are available for water and waste-water analysis.

After digestion of the nitrogen samples, the Kjeldahl determination is completed with a behrotest® steam distillation unit and manual titration station.



Additional behrotest® environmental products

In addition to these extensive product lines, the *behrotest®* spectrum includes

- a comprehensive selection of elution apparatus for implementation of various methods of soil analysis,
- equipment for sample collection, transport and storage,
- equipment for analytical determination of specific water, waste-water and soil parameters
- bio-units, e.g. lab waste-water treatment simulators (w & w/o anaerobic stages) for Coupled Units Tests

