

Workstations for Aqua Regia Digestion, Behr

Workstation model SMA-ARB

The behrotest® workstation model SMA-ARB is a basic system for simultaneous aqua regia digestion of either 6 or 12 samples for heavy metals analysis.

System components

- Precision 6 or 12 sample SMA heating block for round-bottom sample vessels of Ø 41.8 mm, temperature range 20 to 300°C.
- External ET 2 controller, operating range 20 to 399°C. Time settings from 10 to 120 min. and continuous operation.
- 6 or 12 SR 2 250 ml round-bottom sample vessels with standard taper mouth and PVDF collar.
- 6 or 12 RFK 1 Allihn reflux condensers.
- 6 or 12 AS 1 absorption vessels.
- SG/B stainless steel vessel holding frame for 6 or 12 sample vessels.
- Support scaffold with cooling water distributor and storage holder for 6 or 12 condensers.

Article	Order No.
Work station SMA-ARB 6	80 48 80009
Work station for simultaneous aqua regia digestion of heavy metal in up to 6 samples. Basic equipment.	
Work station SMA-ARB 12	80 48 80010
Work station for simultaneous aqua regia digestion of heavy metal in up to 12 samples. Basic equipment.	

Workstation model SMA-ARM

The behrotest® SMA-ARM workstations are provided with a programmable microprocessor-controlled time/temp. controller as well as a fume manifold for drawing off the acid vapors.

This results in greater convenience and functionality in routine laboratory operations.

System components

- Precision 6 or 12 sample SMA heating block for round-bottom sample vessels of Ø 41.8 mm, temperature range 20 to 300°C.
- External TRS 300 time/temperature controller (operating range 20 to 399°C). Time settings 1 to 999 minutes. Continuous display of actual and desired temperatures, interval duration and remaining time. Up to 10 intervals programmable.
- 6 or 12 SR 2 250 ml round-bottom sample vessels with standard taper mouth and PVDF collar.
- 6 or 12 RFK Allihn reflux condensers.
- 6 or 12 AS 1 absorption vessels.
- PTFE sleeves for standard taper glass joints.
- SG/B stainless steel vessel holding frame for 6 or 12 sample vessels.
- TS bench-top stand and transport carrier for vessel holding frame.
- Support scaffold with cooling water distributor and storage holder for 6 or 12 condensers.
- AH fume manifold for drawing off the acid vapors in both 6 and 12 sample versions. Connects to scrubber suction unit (i.e. behrosog).

Article	Order No.
Work station SMA-ARM 6	80 48 80011
Work station for simultaneous aqua regia digestion of up to 6 samples for heavy metals analysis. Microprocessor-controlled controller.	
① Work station SMA-ARM 12	80 48 80012
Work station for simultaneous aqua regia digestion of up to 12 samples for heavy metals analysis. Microprocessor-controlled controller.	

Glassware expansion kit for 30 ml Soxhlet extraction in the SMA heating block systems

Incl. vessels, extractors and Dimroth reflux condensers

Article	Order No.
Expansion kit for max. 6 samples	80 48 80015
② Expansion kit for max. 12 samples	80 48 80016
without the illustrated accessories	

Compact systems for aqua regia digestion of heavy metal samples, Behr

Complete compact system for aqua regia digestion of heavy metal samples. With base frame, heater, holder, tubing and glass apparatus.

Article	Order No.
③ KSMA compact system	80 48 00523



behrotest® accessories for SMA workstations

behrotest® recirculating water coolers for reliable cooling and water savings when using behrotest® cooling water distribution apparatus.

Article	Order No.
④ behrotest® recirculating cooler UK 12/1000 For cooling water distribution apparatus KV 6 and KV 12.	80 48 40201
behrotest® recirculating cooler UK 12/2000 High cooling rate, for cooling water distribution apparatus KV 12.	80 48 40203

behrotest® digestion vessels

behrotest® digestion vessels type SR 2 and SR 3 are made from the melt. With reinforced walls in the critical lower area and PVDF collars. 42 mm Ø, round bottom.

Article	Order No.
TypType SR 2 250 ml, standard ground joint size 29 (heavy metal, extraction, distillation)	80 48 41002
TypType SR 3 With wide opening, 250 ml (Kjeldahl, phosphate)	80 48 41003

behrotest® reflux condensers

Article	Order No.
Allihn reflux condenser RFK 1, 2 × NS 29	80 48 41010
behrotest® absorption vessel AS 1	80 48 41021
Extractor for 30-ml extractions	80 48 41031

