

behrotest[®] Sample Digestion Pressure Bomb



behrotest® Sample Digestion Pressure Bomb

Pressure sample digestion bomb with PFA sample container for trace analysis without errors due to components leached from or absorbed into the container. Notably lower method detection limits are achievable for AAS and ICP analyses.

The digester can be heated in a conventional laboratory drying oven and thus requires no system-specific heating unit.

The behrotest® pressure digester system is conceived to meet the ever increasing requirements for:

- Lower detection and quantification levels,
- Better reproducibility
- Chemical inertness and thermal stability.

Conventional pressure digestion systems, which employ PTFE sample vessels, suffer the disadvantage that

PTFE absorbs and desorbs measurable quantities of heavy metals, e.g. mercury.

In contrast, PFA fluoropolymer is virtually inert in heavy metal analysis applications.

The advantages for the analyst are:

- No tedious conditioning of digestion vessels.
- No cross-contamination of samples



- No memory effect
- A single digestion for all determination of all heavy metals; enhanced precision
- Replicate and repeat analyses become unnecessary, leading to cost savings

The behrotest® Sample Digestion Pressure Bomb

The pressure bomb is constructed of anodized aluminum and is provided with a factory pre-set overpressure safety release.

Maximum operating pressure is 50 bar.

The 100 ml reaction vessel and lid are both made of inert PFA

Can be used in laboratory drying ovens.



Technical Specifications

Max. operating pressure:	50 bar
Max. working temperature:	170 °C
Dimensions (Ø x height in mm)	90 x 165

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behrotest® Sample Digestion Pressure Bomb for heavy metals analysis