

Baker

Large Volume Headspace

Imagine how simple headspace can be for bulky samples using the new BAKER option with your Combi PAL!

- ▶ Leak-tight sample compartment with 750 mL capacity
- ▶ For use with glass or metal containers
- ▶ PC Cruise Control Software
 - ▶ Pre-programmed standard macro
 - ▶ Works with HP/Agilent ChemStation or ThermoQuest Xcalibur
 - ▶ Available as a complete analytical solution, including the Agilent 6890 GC, Combi PAL, BAKER option and Chromatography Data System
 - ▶ For use with other major gas chromatographs



Fig. 1. BAKER Headspace Option



Fig. 2. Top view of BAKER with sampling port

Description

A container with sample is placed on the lower plate elevator of the Baker. As soon as the sampling mode is started, the container is elevated until the heating compartment is completely closed air-tight. After reaching the pre-set temperature followed by the incubation time, a heated gas-tight syringe withdraws a defined gas amount via the sampling port inlet. Finally the gas sample is injected into a GC or GC/MS system for detection. The sample elevator returns to its starting position, so that the analyzed sample can be removed from the container. The sampling compartment and syringe are then purged by an inert gas.

System

- ▶ Sample compartment opens and closes automatically
- ▶ No sample transfer lines or switching valves
- ▶ Full automatic use with standard PAL System and GC with split-/splitless injector
- ▶ Sample compartment heats up to 165°C
- ▶ Purge gas flow after each analysis. No contamination!

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Fig. 3. Installation of a parallel BAKER system on 2 gas chromatographs

Applications

- ▶ Analysis of solvents in paper, tissues, etc.
- ▶ Analysis of solvents in plastics, powders, granules, etc.
- ▶ Analysis of solvents in pharmaceutical products, e.g. tablets
- ▶ Headspace analysis of foods, spices and fragrances
- ▶ Bulk headspace sampling of fruits, vegetables and dairy products
- ▶ Analysis of automotive plastics
- ▶ Bulk sampling of industrial waste



Fig. 4. Container and sample in loading position

Description

BAKER Headspace Option

consisting of:

- Baker incubator for max. temperature up to 180°C
- 2 metal beakers 500 mL
- Software macro
- Extra long-sized standalone support
- Requires Cycle Composer Software
- Manual and CD

PAL Cycle Composer Software Control

Part Number

PAL BakerOpt

PAL CycCompCD

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