

Accessory for HAAKE Rheometer



Sample hood with integrated solvent trap

A sample hood preventing heat loss and solvent evaporation has been developed for HAAKE rheometers. Sample hoods are available in two materials - Teflon and polycarbonate. For easy handling, each hood consists of two halves with handles, an inlet for purge gas and a solvent trap. On a measuring plate cover, the sample hood is self-centering.

The temperature gradient within the sample can be minimized if, the sample is used in combination with a high-temperature rotor. The high-temperature rotor is made of stainless steel with ceramic shaft to minimize the heat flow towards the shaft of the measuring head. The sample hood is

made out of Teflon and is suitable for measurements up to 240°C.

For measurement of samples that dry out or loose solvent, the use of the integrated solvent trap is recommended. For this application the solvent trap is screwed on the shaft of the rotor and filled with a suitable solvent. The solvent evaporates from the solvent trap generating a saturated atmosphere under the hood which prevents solvent loss and drying.

The polycarbonate sample hood is transparent and enables the user to observe sample gap filling and sample changes during the measurement.

Key-words

- HAAKE rheometer
- Plate/plate-measuring geometry
- Cone/plate-measuring geometry
- Measuring plate cover
- Sample hood
- Solvent trap

Order Information:

222-1515 Sample hood against heat loss and solvent evaporation made of Teflon for temperatures up to 240°C for plates and cones with a diameter up to 60 mm.

222-1516 Transparent sample hood against heat loss and solvent evaporation made of polycarbonate for temperatures up to 100°C for plates and cones with a diameter up to 60 mm.

Optional Accessories:

222-1548 Measuring plate cover MPC20; D = 20 mm for HAAKE rheometer*

222-1549 Measuring plate cover MPC35; D = 35 mm for HAAKE rheometer*

222-1550 Measuring plate cover MPC60; D = 60 mm für HAAKE rheometer*

* For HAAKE series 1; UTC/P for HAAKE MARS and HAAKE RheoStress XXX



Fig. 1: Titanium geometry with measuring plate cover with same diameter for optimized gap filling; sample hood with integrated solvent trap

Fig. 2: High-temperature rotor with ceramic-shaft in various diameters available

Dr. Cornelia Küchenmeister
Dr. Fritz Soergel

Thermo Electron (Karlsruhe) GmbH
Dieselstrasse 4
76227 Karlsruhe
Tel: +49 (0) 721 4 09 44 44
Info.mc.de@thermo.com

www.thermo.com/mc