

SPS/Vsorp Accessories

Permeability Kit – Inverted Wet Cup



Gravimetric determination of the vapour permeability of foil/films with the SPS and Vsorp instruments.

Inverted Wet Cup Method

Sample pans filled with water or other liquid are placed upside down on the sample tray. The sample is in direct contact with the liquid.

The amount of vapor from the inside liquid that diffuses through the sample film, at a constant temperature and defined relative humidity in the measuring chamber of the device, is determined by continuous weighing.

Technical data

Number of samples

5 samples

Surface area

1507 mm² per sample

Smallest detectable transmission rate

0.01 g/(m² day)

Accuracy

within smallest detectable transmission rate

Max foil thickness

ca. 1 mm (depending on material properties)

Dimensions sample pan

outside diameter 60 mm

inside diameter 43.8 mm

height 10 mm

Content of the Permeability Kit

sample tray for 6 sample positions

5 coated samples pans

1 coated reference

6 coated drip pans

toolkit: scalpel, PTFE paste

Compatibility

the Permeability Kit Inverted Wet Cup can be used with the following DVS instruments:

SPS11-10μ, SPSx-1μ-High-Load

Vsorp Basic, Plus and Enhanced

