



# Thwing-Albert Instrument Company

More Than a Century of Testing Solutions

The Vapometer is used for determining the water vapor permeability of sheet materials such as specialty paper grades, polyethylene, building material, leather, weatherproof clothing, vinyl, foil, laminates and other thin sheet materials. This property is essential in determining if a material is moisture proof or has the ability to protect contents from the transmission of water vapor.

Our Water Vapor Permeability Cups have a mechanical sealing system using two neoprene gaskets and a Teflon seal. They can be used at any temperature or relative humidity to ensure product performance across different conditions.

Depending on the end use, water or a desiccant is placed in the base of the container. The specimen is then quickly sealed with the threaded flanged ring between the two neoprene gaskets and placed in a test chamber that controls the atmosphere. Vapor loss or gain is measured by recording the weight of the sample at different intervals over a period of time. The cups are serialized for an easy way to keep track of the different samples.

### 68-3000 Vapometer EZ-Cups

The Vapometer Cup consists of a light weight aluminum cup and an aluminum threaded flanged ring with two neoprene gaskets with a Teflon seal that hold the specimen in place. This design was specifically created to eliminate edge leakage and to provide fast secure sealing of the specimen between the gaskets. Specimens are easily loaded and sealed in place by twisting the threaded upper aluminum flange in place. No more individual screws to tighten!

Accurate samples for the Vapometer (2.9375 in. dia.) can be quickly prepared using a Circular Steel Die (2.9375 in. dia. with a 240-7B Pneumatic Alfa Cutter.

#### Available Models:

Part #68-3000 - 2" depth

Part #68-3002 - 3/4" depth  
Weight: 127.7 grams

Part #68-3003 - 1/2" depth  
Weight: 123.3 grams

Part #68-3014 - SAE J2665



## EZ-Cup Vapometer Permeability Cups



### Model 68-3000 EZ-Cup

Easy open model simply turn to open and close the sample in place with the threaded flanged ring.



### Features

- Complies with ASTM E96 & ISO 12572
- Mechanical seal
- Test samples up to 3 mm (1/8 in.) thick
- Diameter: 63.5 mm (2.5 in.)
- Depth: 50.8 mm (2.0 in.)
- Weight: 153.4 grams

Thwing-Albert Instrument Company

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