Porometer Accessory Holders

**Standard In-Plane Holder**

Our standard measurements are for through pores in the “though-plane” direction. Transverse pores within a material, also known as “in-plane” pores can be measured with our In-Plane holder. With this holder, applied pressure is focused on the center of a sample with a bottom seal blocking all through-paths. The only exit flow path is through the in-planepores and out of the periphery of the sample disc. P/N 01150-10037

**In-Plane Compression Holder**

Directing the flow through the sample in the same manner as the Standard In-Plane, the compression version, allows the sample to be compressed during the analysis in order to more closely control the geometric structure of the sample throughout the analysis. P/N 01150-10037-C

**Solid Piece Sample Holder**

Our unique solid piece holder is used for low pressure measurements (up to 2 bar) on pieces not of flat sheet or tubular design, such as 1” diameter core samples. A pressure source is used to seal the outside of the sample while providing a flow path through the material. P/N 01150-10071

**Liquid Permeability**

Attaching this option to the gas supply hose and pressure sense line of the instrument permits measurement of the liquid flow characteristics through the sample. Typical fluids used with this device are water and isopropyl alcohol, but others are available should they be of interest. P/N 01150-10035
Various Flat Sheet Sample Holders
A 25 mm diameter sample holder appropriate for flat sheet samples less than 4 mm thick is provided standard with all Porometer 3G instruments. This is appropriate for most flat sheet membranes but for some, the flow characteristics of the membrane necessitate adjusting the size of the sample. For such applications, flat sheet sample holders are available with various sample diameters (from 10 to 47 mm) as well as different thicknesses (4 mm or 9 mm). A universal sample holder is also available for use with samples with the following diameters: 10 mm, 18 mm, 25 mm, 37 mm, 47 mm and 50 mm. P/N 01150-10033-U

External Sample Holder
All Porometer 3G series instruments can utilize the available External Sample Holder which allows for direct connection of numerous custom sample holders. In some cases even a customer’s finished product could be attached for pore size or permeability analyses. This is a great benefit to customers when the nature of their samples are not of the standard flat sheet variety. P/N 01150-10036

Hollow Fiber Sample Holders
Our hollow fiber accessory kit provides the means to measure pore size of hollow fiber membrane materials with pores as small as 13 nm. Hollow fibers can be measured in both flow directions, i.e., from inside the tube to outside of the fiber, or from outside to inside of the fiber. Single or multiple lumens may be measured. P/N 01150-10211

Tubular Sample Holder
A tubular sample holder is ideal for the measurement of rigid tubes, like those used in long-life water filtration systems. Custom sized connector pieces provide complete flexibility of tube diameter. Lengths of up to 20 cm are easily accommodated. P/N 01150-10299