

Characterizing A Filter Medium

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ABSTRACT

Learn: Material(s) of Construction, Porosity, Thickness, and Viscous Permeability
Whether fluid flow is viscous (laminar), or not, see from plots of fluid velocity vs. driving pressure. Sometimes, gas flows cannot be viscous with viscous flow, deduce the flow-averaged pore diameter.

Measure the distributions of pore sizes on the face of a filter medium via the Liquid-Drainage tests or the Extended-Bubble-Point test.

How many filter media have smaller pores on one face than the other face?

Of those filter media consisting of a random array of building materials, the measurements of pore-size distributions reflect the concept of a fixed ratio of the standard deviation to the mean pore diameter.