



## AUTOPORE IV 9500 SERIES OVERVIEW

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The mercury porosimetry analysis technique is based on the intrusion of mercury into a porous structure under stringently controlled pressures. From the pressure versus intrusion data, the instrument generates volume and size distributions using the Washburn equation. Since mercury does not wet most substances and will not spontaneously penetrate pores by capillary action, it must be forced into the pores by the application of external pressure. The required pressure is inversely proportional to the size of the pores, only slight pressure being required to intrude mercury into large macropores, whereas much greater pressures are required to force mercury into micropores. Clearly, the more accurate the pressure measurements, the more accurate the resulting pore size data