

Product Code . ILS-POM-10878

Boyles Law Apparatus, Advanced with Oil



Description

There is a oil chamber with Bourdon gauge at the top, graduated 0 - $3.4 \times 10^5 \text{ Nm}^{-2}$ and has a valve on one side for connection to air compression pump.

Indian Lab Suppliers Consist of a thick walled, wide-holed glass tube with a close end at the top and open end at the bottom mounted vertically in front of a scale graduated 0 to 65cm^3 .

The open end secured tightly on the thick-walled metal tube with O-ring to get leak-proof joint.

The glass tube has thick walls of high strength with a very large safety overload margin.

Zero of the scale corresponds to the inside of the closed end of the tube with the scale reading directly that indicate the volume of the air enclosed in the tube.




When the pressure in the oil chamber is increased, oil is forced into the glass tube compressing the air contained in the tube and the volume of the contained air and its actual (total) pressure is directly indicated on the scale graduated.

A transparent safety screen is mounted in front of glass tube as an added safety measure. Supplied without pump and oil.

Other end of metal tube connected to a cylindrical oil chamber filled with colored oil and capable of withstanding high pressures.

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