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# Boyles Law Apparatus, Advanced with Oil

## Product Image



## Description

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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<sup>3</sup>. The open end secured tightly on the thick-walled metal tube with O-ring to get leak-proof joint. Other end of metal tube connected to a cylindrical oil chamber filled with colored oil and capable of withstanding high pressures. 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. There is a oil chamber with Bourdon gauge at the top, graduated 0 - 3.4 x 10<sup>5</sup> Nm<sup>-2</sup> and has a valve on one side for connection to air compression pump. 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. The glass tube has thick walls of high strength with a very large safety overload margin. A transparent safety screen is mounted in front of glass tube as an added safety measure. Supplied without pump and oil.

Custom made configuration is available for developing countries or Ministry of Education Tenders

Catalog No.	Particulars
JP10425	Boyles Law Apparatus, Advanced
JP10426	Oil use with Boyles Law Apparatus, 500ml

## Disclaimer

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The Products details given on this page are indicative in nature and JAPSON reserves the right to change them without prior notice. Buyer is also requested to re-check the specifications and other features of product at the time of order as product development is a continuous process and minor modifications may be made to design based on latest availability, process and design.