

HOPE'S APPARATUS



Product Categories: [Heat And Thermodynamics](#), [Physics Equipments](#)

Product Tags: [physics lab instruments](#)

Product Page: <https://www.labappara.com/product/hopes-apparatus/>

Product Description

Hope's Apparatus - Physics Equipments

Hope devised a simple arrangement, known as Hope's apparatus.

Used to demonstrate the anomalous behavior of water.

It is a common experiment that when a liquid is heated, it expands, irrespective of the temperature range.

Comprising a cylindrical vessel, surrounded by an annular trough,

In which is to be placed a mixture of ice and salt.

The respective temperature of the water at the top and bottom of inner cylindrical vessel are measured over a period as the water cools.

Supplied without thermometer.

To show that water has a maximum density at 4 degrees Celsius.

Consists of a sheet metal cylinder with two tubes in the upper and lower regions for inserting thermometers through rubber stoppers.

Mounted on a base and encircled midway by an outer trough for holding a mixture of ice and salt.

Temperature of the water is measured at the top and bottom of the inner cylindrical vessel over a period as the water-cools.

Thermometer not included.

Available in

G.I. Sheet

BRASS

COPPER