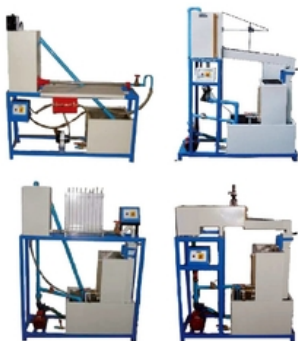


## Vertical & Horizontal Condenser



**Product Categories:** [Engineering Equipment](#), [Heat Transfer Lab](#)

**Product Page:** <https://www.labappara.com/product/vertical-horizontal-condenser/>

### Product Description

#### Vertical & Horizontal Condenser

#### **Technical Description:**

Shell & Tube type condensers are widely used in various industries. The present set-up offers a comparative study of Vertical & Horizontal condenser, which can be operated one at a time. Condenser consists of Stainless steel shell, with stainless steel tubes. Cold fluid flows through inside the tubes and steam flows through the shell. Valves are provided to control the flow rates of cold fluids. Flow rate of cold water is measured using a Rota meter. Shell is fitted with steam traps from where condensate is collected in measuring cylinder. Temperature of inlet and outlet of both hot & cold fluids are measured by temperature sensors.

#### **TECHNICAL SPECIFICATION:**

System : Steam to Water

Condensers: 2 Nos. (Vertical & Horizontal) Insulated by Ceramic wool and cladding by aluminium foil.

Shell : Material stainless steel. Inner Dia 100 mm, Length 500 mm (Approx.)

Tubes : OD 12.7mm, Length of tubes 500mm

Condensate Measurement : Measuring Cylinder & Stopwatch

Water Flow Measurement : Rota-meter

Steam Generator: Made of stainless steel fitted with level indicator, pressure gauge, safety valve, drain and insulated with ceramic wool & cladding with Aluminium foil.

Heaters: Nichrome wire heater (2 Nos.)

**Control panel comprising of:**

Digital Temp. Controller: 0199.90C (For Steam Generator)

Digital Temp. Indicator: 0-199.90C, with multi-channel switch

With Standard make On/Off switch, Mains Indicator etc.

Instruction Manual: An ENGLISH instruction manual will be provided along with the Apparatus

A good quality painted rigid MS Structure is provided to support all the parts