



DOUBLE STAGE DISTILLATION UNIT – HORIZONTAL MODEL

Product Description

The **Double Stage Distillation Unit (Horizontal Model)** is a laboratory-grade system designed for producing **high-purity bi-distilled water** for **chemical, pharmaceutical, research, and instrument analytical laboratory applications**.

The unit operates on a **two-stage distillation process**, ensuring superior water purity with very low conductivity levels. The **horizontal configuration** provides operational stability, easy maintenance, and efficient heat transfer. The system is supplied as a **complete ready-to-use assembly** suitable for continuous laboratory operation.

Key Features

- **Double-stage (bi-distillation) process** for high-purity water
- **Horizontal model design** for stable operation and easy servicing
- **Borosilicate glass boiler and condenser** for chemical resistance
- Produces **low conductivity mono and double distillate**
- Designed for **chemical and instrument analytical laboratory use**
- Supplied as a **complete set** with all necessary connections
- Suitable for standard laboratory working conditions

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Technical Specifications

Parameter	Specification
Product Name	Double Stage Distillation Unit
Model Type	Horizontal Model
Application	Bi-distilled water generation for analytical laboratories
Distillation Stages	Two (Double Stage)
Boiler Material	Borosilicate Glass
Condenser Material	Borosilicate Glass
Distillate Output Capacity	4 Litres per Hour
Mono Distillate Conductivity	Below 2.5 μ S
Double Distillate Conductivity	Below 1.5 μ S
Water Consumption	Shall be specified by vendor
Raw Water Pressure Requirement	To be specified in detail by vendor
Cooling Water Pressure Requirement	To be specified in detail by vendor
Distilled Water Quality	Suitable for chemical and instrument analytical usage
System Configuration	Complete set for bi-distilled water production
Installation Type	Bench-top / Laboratory installation
Operating Environment	Standard laboratory conditions

Scope of Supply

- Double Stage Distillation Unit – Horizontal Model
- Borosilicate Glass Boiler Assembly
- Borosilicate Glass Condenser Assembly
- Raw water inlet and cooling water connections
- Distilled water outlet arrangement

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