

Product Name :
AUTOMATIC WATER DISTILLATION EQUIPMENT
(CABINET)

Product Code :
WDU0003



Description :

AUTOMATIC WATER DISTILLATION EQUIPMENT (CABINET)

Technical Specification :

This is a fully automatic water distillation equipment and can be used in research laboratories, hospitals etc. It is manufactured from 3.3 exp borosilicate glass or quartz glass. The distillation has following features :

- **Replaceable Silica Sheathed (Quartz) Heater :** The horizontal jacket is fitted with removable silica sheathed heater and screw threaded connectors for ease of cleaning.
- Distillate temperature is approx. between 25° to 45° C which is ensured by an efficient condenser.
- The stand is powder coated for rust free operation and lustrous appearance.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- **Screw Threaded Connectors :** These are provided for easy plumbing & Installation to avoid any glassware breakage during assembly.

- Fuse is provided for safety in case of voltage fluctuation or short circuit.
- Boiler is provided with Replaceable Constant Level Device for easy draining and cleaning of boiling chamber.
- The front cover is easily removable making the access to the glass parts very easy.

Additional Built-in Safety Features

- **Gate Valve** : Conserves cooling water wastage in case of power failure.
- **Flow Switch** : In-built safety feature for the equipment unit shut off in case of cooling water failure.
- **Temperature Switch** : The boiler is equipped with a safety temperature switch which shuts off the unit if water level in the boiler falls below the heater, thus saving the glass parts from any damages.
- **Level Sensor** : It shuts off the distillation equipment if the water level in the boiler falls below the heater.
- **Reservoir Level Sensor** : This helps in automatic working of the water distillation equipment. Depending on the water level in the reservoir it will automatically switch On/Off the equipment, thus saving energy. (Reservoir can also be provided with a storage capacity of 5 ltr, 10 ltr & 20 ltr made of Borosilicate Glass or polypropylene).

Borosilicate Glass

Output Cap. (approx.)	2 ltrs/hr	2 ltrs/hr	4 ltrs/hr	4 ltrs/hr
Stage	Single Stage	Double Stage	Single Stage	Double Stage

Distillate Quality

pH	5.5-6.0	6.0-7.0	5.5-6.0	6.0-7.0
Conductivity $\mu\text{S/cm}$	1.0-2.0	0.8-1.0	1.0-2.0	0.8-1.0

Cooling Water Requirement (approx.)	1.5 ltr/min	2ltr/min	2-3ltr/min	2-4ltr/min
Power Rating (Total)	1.5 KW	3.0 KW	3.0 KW	6.0 KW

Quartz Glass

Output Cap. (approx.)	2 ltrs/hr	2 ltrs/hr	4 ltrs/hr	4 ltrs/hr
Stage	Single Stage	Double Stage	Single Stage	Double Stage

Distillate Quality

Conductivity $\mu\text{S/cm}$	0.5-0.8	0.1-0.5	0.5-0.8	0.1-0.5
Cooling Water Requirement (approx.)	1.5 ltr/min	2 ltr/min	2.3ltr/min	2-4 ltr/min
Power Rating (Total)	1.7 KW	3.5 KW	3.0 KW	6.0KW

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