



Automatic Water Distillation Equipment (Cabinet Model)



Automatic Cabinet Water Distillation Unit

SINGEL DISTILLATION

Model ES-GI2S = 2Ltrs/Hr
Model ES-GI4S = 4 Ltrs/Hr
Model ES-GI8S = 8 Ltrs/Hr
Model ES-GI10S = 10 Ltrs/Hr

DOUBLE DISTILLATION)

Model ES-GI2D = 2 Ltrs/Hr
Model ES-GI4D = 4 Ltrs/Hr
Model ES-GI8D = 8 Ltrs/Hr
Model ES-GI10D = 10 Ltrs/Hr



Compact & User Friendly

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.
- Electrical Power: 220/240 V, 50/60 Hz, Single Phase Supply

This has been designed for better and accurate control of the distillation unit. It has been incorporated with advanced microprocessor based electronic circuitry, which gives an easy user machine interaction. The alpha numeric LCD which has been used shows all messages that correspond to the running of the machine. Also there is alarm system which beeps as and when user attention is required.

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).

Technical Specifications

EQUIPMENT : CABINET STILL (BOROSILICATE GLASS : Boiler and Condenser)

Models	Approx Output ltrs/hr	pH (Approx)	Minimum Cooling Water Requirement	Conductivity μ S/cm	Power
ES-G12S	2 Single Distilled	5.5 - 6.0	1.5 Ltr / min	1.0 - 2.0	230V, 50-60Hz Single Phase, 1.6KW
ES-G12D	2 Double Distilled	6.0 - 7.0	3 Ltr / min	0.8 - 1.0	230V, 50-60Hz Single Phase, 3KW
ES-G14S	4 Single Distilled	5.5 - 6.0	2 Ltr / min	1.0 - 2.0	230V, 50-60Hz Single Phase, 3KW
ES-G14D	4 Double Distilled	6.0 - 7.0	4 Ltr / min	0.8 - 1.0	230V, 50-60Hz Two Phase, 6KW
ES-G18S	8 Single Distilled	5.5 - 6.0	4 Ltr / min	1.0 - 2.0	230V, 50-60Hz Two Phase, 6KW
ES-G18D	8 Double Distilled		8 Ltr / min	0.8 - 1.0	230V, 50-60Hz 3 Phase, 12KW