

# Horizontal Quartz Single Stage Distillation Unit

Brand- **BIOGENIX®**

## PRODUCT DESCRIPTION

**Composite Single Distiller Automatic Cabinet Model with Quartz Boiler & Glass Condenser  
With 3 Level Built-in Safety Control Plus Automatic operation**

1) **Temperature Controller (DTC)** for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.

2) **Flow Switch** for safety of the condenser. The unit switches off when water supply to condenser is interrupted.

3) **Gate Valve** conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

4) **Reservoir Level Sensor** – is provided for automatic operation of the unit. When the reservoir is full with distilled water the unit switches off, the unit switches on when distilled water is drawn from the reservoir



## FEATURES

- **Replaceable silica heater:** The horizontal quartz jacket is fitted with a removable silica heater and screw-threaded connectors for ease of cleaning when scaling is formed.
- Distillate temperature is around 65 to 75°C which is ensured by an efficient condenser.
- The stand is powder coated for rust-free operation and a lustrous appearance.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Fuse is provided for safety in case of voltage fluctuation or short circuit.
- Boiler is provided with a Replaceable Quartz side overflow for easy draining and cleaning of the boiling chamber, which also reduces the chances of breakage.

### **Additional In-built Safety Features:**

**Gate Valve:** Conserves cooling water wastage in case of power failure.

**Flow Switch:** Additional 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.

# Technical Specification

Usage/Application	Laboratory
Type	Quartz Single Distillation
Material	Quartz & Borosilicate Glass
Frequency	50 Hz
Packaging Type	Box
Power Source	Electric
Capacity	2 Liter to 10 liter/hr
Glass Brand	Borosil
Includes	Demountable Boiler Panel
System Requirements	Minimum Cooling Water : /hr
Voltage	230-250V
Condenser	Quartz
Boiler	Quartz
Power Source	4.4 Kw
Conductivity	0.5-0.8 $\mu$ S/cm

## Applications:

It is recommended to use Water Softener Unit with All types of water distillations for desired output, good quality distillate & long life.

## Size, Capacity and Ordering Details

Model No.	Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (approx.)
BSSU-15AQ-HM	1.5ltr/hr	3 KW	20 ltrs/hr
BSSU-20AQ-HM	2.0ltr/hr	4 KW	35 ltrs/hr
BSSU-25AQ-HM	2.5ltr/hr	5 KW	40 ltrs/hr
BSSU-35AQ-HM	3.5ltr/hr	6 KW	50 ltrs/hr
BSSU-40AQ-HM	4.0ltr/hr	7 KW	60 ltrs/hr
BSSU-50AQ-HM	5.0ltr/hr	8 KW	70 ltrs/hr



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