

BOROSILICATE GLASS DOUBLE DISTILLATION UNIT



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ABOUT THE COMPANY

iGene Labserve Pvt. Ltd. is gaining recognition by offering resilient, innovative solutions in laboratory instrumentation across healthcare, genomics, drug discovery, biopharma, and food & beverage sectors. We strive to enhance lab efficacy and reduce challenges through advanced technologies and a diverse product portfolio tailored to our customers' needs.

DESCRIPTION

Compact unit with demountable borosilicate glass boilers and a double-walled condenser for efficient dual-stage condensation. Includes a microprocessor-based safety control unit with LCD display and alarm for safe user-friendly operation. Ideal for producing high-purity distilled water in laboratories, research, and pharmaceutical applications.

KEY FEATURES

- Borosilicate Glass Construction:** Condenser and boiler made from durable borosilicate glass with removable silica-sheathed heater and screw-threaded connectors for easy cleaning and maintenance.
- Efficient Condensation System:** Delivers distillate at a temperature range of 25°C to 45°C, maintained by a high-performance condenser.
- Energy-Saving Recirculation Design-** Cooling water is re-circulated back to the boiling chamber, reducing water wastage and energy consumption.
- Automatic Safety Shutdown-** Built-in water level sensor shuts off the unit if the water falls below the heater level, preventing dry heating and enhancing safety.
- Powder-Coated Stand-** Rust-free, durable frame with a lustrous finish for long-lasting performance and aesthetics.
- Convenient Cleaning Features-** Drain nozzle or Teflon stopcock provided for hassle-free cleaning and routine maintenance.
- Electrical Requirements-** Operates on 220/240 V, 50/60 Hz, single-phase power supply.

TECHINCAL SPECIFICATIONS

SPECIFICATIONS	IG-BDDU3
Specific Conductivity	0.8- 01 μ s/cm
Biological Activity (Distillate quality)	Pyrogen Free
Organic Matter	Nil
Total Solids	0.1 mg/ltr
Silica	<0.01 mg/ltr
Output Capacity (Approx.)	2.5 Ltr/hr – 2.8 Ltr/hr
Power Rating (Total)	5 KW
Cooling Water Consumption (Approx.)	100-140 Ltr/Hr



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