GENERAL > GENERAL PURPOSE

WATER DISTILLATION UNIT

Code : G045



- The ALFA Water Distillation Unit is engineered to produce high-purity distilled water essential for various laboratory applications. Its fully automatic operation, managed by a microprocessor control system, ensures consistent and reliable performance.
- Constructed with stainless steel components—including the boiling vessel, storage tank, and condenser—the unit offers durability and resistance to corrosion. It delivers distilled water with a conductivity of approximately 2.5 µS/cm at 20°C, suitable for general laboratory use.
- The system incorporates several safety and efficiency features:
- A gas exhaust chimney facilitates the discharge of CO_2 and other gases.
- Warning lights provide operational status indicators.
- An automatic shutdown function halts operation when the storage tank reaches full capacity and resumes when the tank empties.
- A Siliphos filter prevents calcification of the heating elements, extending their lifespan.
- Sensors detect the absence of water, automatically stopping the heaters to prevent burnout.

- Designed for versatility, the unit can be installed on a tabletop or wall-mounted, accommodating various laboratory layouts. Its energy-efficient design preheats inlet water, reducing overall power consumption. Maintenance is streamlined through easy access to heating elements and internal components.

STANDARDS

ASTM D1193 • ISO 3696

TECHNICAL SPECIFICATIONS

- Conductivity: ~2.5 µS/cm at 20°C
- Power Supply: 380 V / 50–60 Hz
- Construction: Stainless steel boiling vessel, storage tank, and condenser
- Installation: Suitable for tabletop or wall-mounted use

EQUIPPED WITH

- Siliphos filter
- Warning lights
- No-water detection sensor
- Water storage tank
- Gas exhaust chimney

ORDERING INFORMATION

Item Name	Item Code
WATER STILL (Distillation Unit) - 4 lt/hr	G045X04XU
WATER STILL (Distillation Unit) - 12 lt/hr	G045X12XU