AUTODIST-86 GLASS DISTILLATION UNIT AZA1282

The AutoDist-86 Glass Distillation Unit (Model AZA1282) is a high-performance laboratory water distiller designed for the continuous production of high-purity distilled water.

Constructed entirely from borosilicate glass 3.3, the unit ensures zero metallic contamination, excellent thermal resistance, and long operational life. It is ideal for laboratories requiring consistent, low-conductivity distilled water for analytical, pharmaceutical, and research applications.

Distillation Performance

- Distillate Output: Up to 4 L/hour (±10%)
- Suitable for routine and medium-scale laboratory demand
- Efficient removal of:
  - Dissolved salts
  - Heavy metals
  - Organic/inorganic impurities
  - Microbial contaminants

System Features

Construction

- Borosilicate glass 3.3 throughout
- High resistance to thermal shock and chemical corrosion
- No risk of metallic ion contamination

Heating & Condensation

- Quartz heating element for rapid boiling
- Integrated glass condenser with cooling coil
- Stable distillation and condensation cycle

Functional & Control Specifications

Function	Specification
Operation Mode	Semi-automatic
Heating Element	Quartz heater
Cooling System	Glass condenser with cooling coil
Output Control	Flow regulation valve
Monitoring	Visual (transparent glass system)

Safety & Protection System

Condition	System Response
Low water level	Automatic shut-off via float switch
Dry run condition	Heater cut-off
Over-temperature	Thermal protection shutdown
Abnormal operation	Automatic system stop

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Technical Specifications

Parameter	Specification
Model	AZA1282
Product Type	Laboratory Water Distiller
Construction Material	Borosilicate Glass 3.3
Distillate Output	4 L/h (±10%)
Power Supply	230 V AC, 50 Hz
Operation	Semi-automatic
Safety Features	Float cut-off, thermal protection
Dimensions	550 × 400 × 250 mm
Weight	~9 kg