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## **AUTOMATIC DISTILLATION APPARATUS AZA1341**

The AZA1341 Automatic Distillation Apparatus is a patented, fully automatic distillation system designed for the precise determination of distillation characteristics of petroleum products at atmospheric pressure.

Engineered for high accuracy, repeatability, and operational safety, the AZA1341 fully complies with internationally recognized standards including:

- ASTM D86 – Distillation of Petroleum Products at Atmospheric Pressure
- ASTM D850 – Distillation of Industrial Aromatic Hydrocarbons
- ASTM D1078 – Volatility of Petroleum Solvents

The system integrates advanced automation technologies including:

- Intelligent temperature control
- High-precision liquid level tracking
- Automatic atmospheric pressure correction
- Automated result calculation and recording
- Advanced safety protection systems

Featuring a large 10.2-inch touch-screen interface, automatic data processing, and nitrogen fire suppression protection, the AZA1341 is ideally suited for:

- Petroleum testing laboratories
- Refineries
- Quality control facilities
- Inspection agencies
- Research and development centers





## UNIVERSE TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1341
Power Supply	AC 220V $\pm$ 10%, 50 Hz
Total Power	2200 W
Bath Temperature Range	0 – 60°C ( $\pm$ 0.1°C)
Air Chamber Temperature	10°C – Ambient ( $\pm$ 0.5°C)
Steam Temperature Accuracy	$\pm$ 0.1°C
Condensation Rate	4 – 5 ml/min
Liquid Level Resolution	0.1 ml
Safety System	Automatic & Manual Nitrogen Extinguishing
Operating Temperature	5 – 40°C
Relative Humidity	$\leq$ 85% RH

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## UNIVERSE Operating Conditions

Parameter	Requirement
Installation	Laboratory bench installation
Surface Requirement	Stable and vibration-free
Power Supply	Single-phase AC
Operating Environment	Clean and ventilated laboratory conditions

## Supply & Support

Parameter	Details
Warranty	12 Months
After-Sales Support	Installation, Calibration & Operator Training
Software & Firmware Support	Continuous Technical Support
Packaging	Export-grade Wooden Crate with Shock Protection