



UNIVERSE PETROLEUM PRODUCT DISTILLATION TESTER AZA1284

The AZA1284 Manual Distillation Unit from AZA Lab is a precision-engineered petroleum distillation system designed for accurate determination of distillation characteristics of petroleum products in accordance with ASTM D86 and GB/T 6536 standards. Featuring a dual-unit front-type structure with independent control systems, the AZA1284 provides reliable manual operation, excellent thermal stability, and highly repeatable testing performance for quality control, refinery, inspection, and laboratory applications. Engineered for simultaneous testing of multiple samples under different operating conditions, the AZA1284 enhances laboratory efficiency while maintaining strict compliance with international petroleum testing standards.



Standards Compliance

- ASTM D86
- GB/T 6536

Applications

Petroleum Testing Laboratories

Determination of distillation characteristics of:

- Gasoline
- Diesel fuel
- Kerosene
- Naphtha
- Light petroleum fractions



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Quality Control Laboratories

Routine ASTM D86 compliance testing for petroleum products and fuels.

Refineries & Fuel Blending Facilities

Monitoring fuel volatility, product consistency, and batch quality.

Inspection & Regulatory Laboratories

Verification of petroleum product specifications and quality standards.

Research & Academic Institutions

Manual distillation studies and petroleum product analysis.

Technical Specifications

Parameter	Specification
Model	AZA1284
Product Type	Manual Distillation Unit
Test Standards	ASTM D86, GB/T 6536
Power Supply	AC 220V \pm 10%, 50 Hz
Total Power Consumption	\leq 4000 W
Distillation Units	Dual Independent Units
Receiving Cylinder	100 mL, 1 mL graduation
Distillation Flask	125 mL ASTM compliant



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Technical Specifications

Parameter	Specification
Thermometer Range	-2 to 300°C / -2 to 400°C
Thermometer Division	1°C
Flask Support Board	SIC
Bore Diameters	φ32 mm, φ38 mm, φ50 mm
Temperature Controller Range	Ambient +10°C to 60°C
Temperature Control Accuracy	±0.5°C
Temperature Display	LED Digital Display
Condenser Tube Diameter	φ12 mm
Ambient Temperature	15 – 35°C
Relative Humidity	≤ 85%
Overall Dimensions	760 × 520 × 500 mm
Net Weight	40 kg

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