



UNIVERSE CLASSIC OPEN CUP FLASH POINT APPARATUS AZA1294

The AZA LAB Classic Open Cup Flash Point Apparatus AZA1294 is a reliable and cost-effective laboratory instrument designed for accurate determination of flash point temperature of petroleum products and combustible liquids using the Cleveland Open Cup (COC) method. Manufactured in full compliance with ASTM D92 and ISO 2592 standards, the AZA1294 is ideally suited for petroleum laboratories, quality control facilities, educational institutions, refinery laboratories, and industrial safety testing environments where dependable flash point determination is essential. The apparatus combines a classic manual testing approach with durable construction, stable heating performance, and straightforward operation, making it an excellent solution for routine laboratory testing, operator training, and quality assurance applications.



TEST METHODS

- ASTM D92
- ISO 2592

DESIGN & CONSTRUCTION FEATURES

The AZA1294 is designed for durability, simplicity, and dependable laboratory operation.

Construction features include:

- Stable heating block assembly
- Removable stainless-steel sample cup
- Thermostatically controlled heating unit
- Manual flame applicator
- Compact laboratory footprint
- Corrosion-resistant structure
- Easy-access thermometer port



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HEATING & IGNITION SYSTEM

The instrument incorporates a controlled heating mechanism designed to maintain ASTM-compliant heating rates throughout the test cycle.

Features include:

- Adjustable heating rate
- Standard heating rate of 5–6 °C/min
- Stable thermal control
- Manual flame ignition
- Optional electric igniter system
- Uniform heat distribution

These features ensure accurate and repeatable flash point determination.

SAFETY FEATURES

- Controlled open cup testing system
- Stable sample cup mounting
- Thermally insulated heating assembly
- Clear flame observation area
- Low-maintenance ignition system
- Safe laboratory benchtop operation

The open cup configuration allows safe operator observation while maintaining ASTM-compliant test conditions.



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Technical Specifications

PARAMETER	SPECIFICATION
Model	AZA1294
Product Type	Classic Open Cup Flash Point Apparatus
Test Methods	ASTM D92, ISO 2592
Temperature Range	Ambient to 400 °C
Heating Rate	Adjustable, Typically 5–6 °C/min
Sample Cup Material	Stainless Steel, Removable
Ignition Source	Manual Flame
Optional Ignition	Electric Igniter
Thermometer Compatibility	ASTM E2251 Glass Thermometer
Heating Control	Thermostatically Controlled
Power Supply	230 V ±10%, 50/60 Hz
Approximate Dimensions	300 × 200 × 220 mm
Application Areas	Petroleum Labs, QC Testing, Education