Buckling of Columns Apparatus AZA1337

The Flash Point D93 Abel Closed Cup Tester (AZA1278) is a high-precision laboratory instrument designed to determine the closed cup flash point of petroleum products, fuels, lubricating oils, and other flammable liquids. Engineered in compliance with ASTM D93 (Pensky-Martens Closed Cup Method), the instrument ensures accurate, repeatable, and safe flash point determination.
The system features microcomputer-based control, a user-friendly LCD interface, and precise temperature regulation, making it ideal for use in refineries, oil laboratories, quality control departments, research institutes, and industrial testing facilities.

Standards Compliance

- ASTM D93 – Pensky-Martens Closed Cup Tester

Key Features

- Microcomputer controlled operation for high accuracy
- LCD display for real-time temperature monitoring
- English menu-driven user interface
- Continuously adjustable heating power
- Automatic flash point detection and recording
- Adjustable stirring speed as per test procedure
- High-precision silicon carbide heating furnace
- Gas or civilian fuel ignition system
- Over-temperature alarm and automatic safety shutdown
- Compact, stainless steel tabletop design
- Low maintenance and laboratory-safe operation

AZA LAB UNIVERSE

Technical Specification

Parameter	Specification
Model	AZA1278
Power Supply	AC 220 ±10% V, 50 Hz
Total Power Consumption	≤ 650 W
Heating Device	Silicon carbide furnace, 600 W
Ignition Source	Gas or other civilian fuels
Temperature Display	Real-time digital
Flash Point Recording	Automatic
Control System	Microprocessor based
Operating Temperature	15 – 35 °C
Relative Humidity	≤ 85%
Dimensions (L × W × H)	340 × 330 × 380 mm
Net Weight	9 kg

Applications

- Petroleum product testing laboratories
- Fuel quality control centers
- Oil refineries and petrochemical plants
- Research & development laboratories
- Industrial safety and compliance testing

Advantages

- High accuracy and repeatability
- Compliance with international standards
- User-friendly operation
- Enhanced laboratory safety
- Compact and durable construction