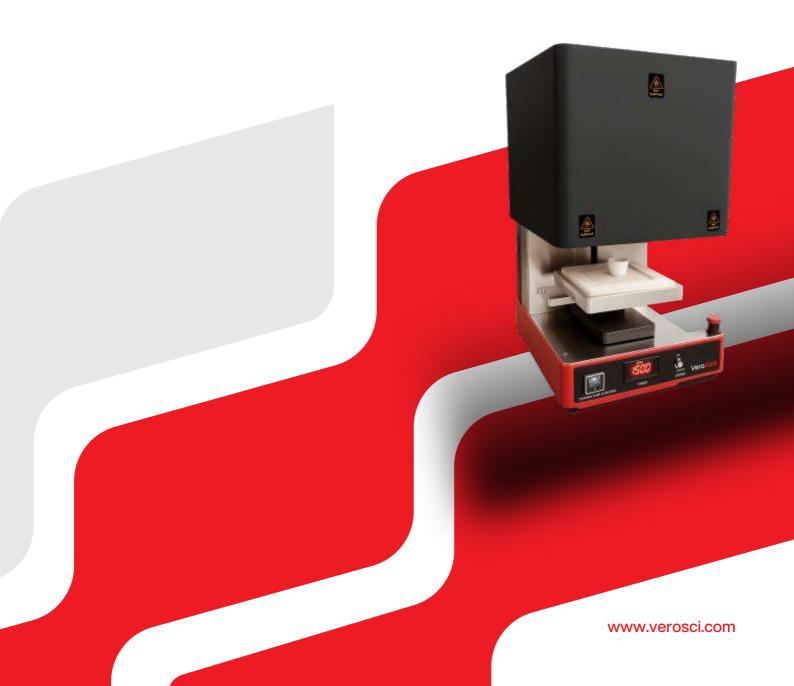


CATALOG

VeroAsh

ASH CONTENT FURNACE



VeroAsh

TECHNICAL PARAMETERS

VeroAsh

TECHNICAL PARAMETERS



According to ASTM D482 standarts

The determination of ash content in petroleum products involves heating a sample to a specified temperature to burn off combustible matter, leaving behind the inorganic residue or ash.

FEATURES

ASTM D482 Compliance

ASH 100 operates in accordance with ASTM D482 standards for determining ash content in petroleum products.

Electrical Muffle Furnace

The device features an electrically powered muffle furnace capable of maintaining high temperatures required for ash determination.

Enclosed Furnace Design

ASH 100 includes a fully enclosed furnace. A specialized elevator system allows safe insertion and retrieval of the sample crucible. This design ensures user safety by reducing exposure to high temperatures, as the crucibles temperature decreases significantly by the time it reaches the elevator door after testing.

Rapid Heating Capability

The furnace achieves the desired testing temperature swiftly, optimizing efficiency.

Precision Weighing

A sensitive scale with a precision of 0.0001 g is integrated into ASH 100. The enclosed scale environment minimizes the impact of air on sample weight, ensuring precise measurement before and after testing.

Pre-Heating Torch

ASH 100 includes a separate torch fueled by LPG gas for pre-heating samples up to approximately 500°C before insertion into the furnace. This step facilitates controlled heating conditions.

Ceramic Crucibles

Testing employs ceramic crucibles suitable for high-temperature applications, ensuring compatibility with the furnace and maintaining sample integrity.

Safety Equipment

ASH 100 is equipped with heat-resistant gloves and forceps designed for safe handling of hot crucibles during sample preparation and transfer.

Desiccator for Cooling

A desiccator is provided with ASH 100 to cool samples to ambient temperature before weighing the residue (ash), ensuring accurate determination of ash content.

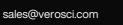
SPECIFICATIONS

Heating Temperature	25 C – 1300 C
Temperature variation sensitivity	10 C
Heating Time (25 to 800)	20 – 30 minute
Dimensions	W: 40cm D: 50 cm H: 71 cm
Weight	25 kg
Power Supply	220 Volt 50 Hz
Power Consumption	3000 Watt











APPLICABLE REFERENCES

REFERENCES





VeroVis

Kinematic Viscometer

- Dora Thermal Power Plant
- Khanakin Lubricants Factory
- Gas Power Plant 2
- Gas Power Plant 1
- Smara Thermal Power Plant
- Quds Power Plant
- Al-Sadir Power Plant



VeroRes

Carbon Residue Analyzer

Al-Sadir Power Plant



VeroXi

Oxidation Stability Analyzer

- Dora Thermal Power Plant
- Quds Power Plant



VeroAsh

Ash Content Furnace

Al-Sadir Power Plant



VeroDry

Moisture Evaporator

- Dora Thermal Power Plant
- Gas Power Plant 2
- Gas Power Plant 1
- Al-Sadir Power Plant



VeroCal

Heat Com. Calorimeter

Al-Sadir Power Plant



VeroCor

Copper Corrosion Bath

Al-Sadir Power Plant



VeroFoam

Foam Tendency Analyzer

Al-Sadir Power Plant

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As Vero Scientific, we provide advanced measurement technologies, preventive maintenance solutions, and cloud-based analytics for oil and fuel analysis. Our mission is to empower industries with precise, reliable, and sustainable solutions.