

CATALOG

VeroAsh

ASH CONTENT FURNACE



VeroAsh

TECHNICAL PARAMETERS

According to ASTM D482 & ASTM D874 standards

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 & ASTM D874 Compliance**
VeroAsh operates in accordance with ASTM D482 & ASTM D874 standards for determining ash content in petroleum products.
- **Electrical Muffle Furnace**
The device features an electrically powered muffle furnace capable of maintaining the high temperatures required for ash determination.
- **Enclosed Furnace Design**
VeroAsh 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 crucible's 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.
- **External Gravimetric Measurement**
Ash residue is weighed using an external analytical balance after controlled cooling in a desiccator, in accordance with ASTM D482 and ASTM D874.
- **Electric Pre-Heating System**
VeroAsh uses an external electric pre-heating stage to safely initiate controlled combustion prior to furnace insertion, eliminating the need for LPG or open flames.
- **Ceramic Crucibles**
Testing employs ceramic crucibles suitable for high-temperature applications, ensuring compatibility with the furnace and maintaining sample integrity.
- **Safety Equipment**
VeroAsh 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 VeroAsh to cool samples to ambient temperature before weighing the residue (ash), ensuring accurate determination of ash content.

SPECIFICATIONS

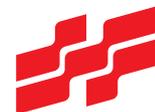
Heating Temperature	25 °C – 1300 °C
Temperature variation sensitivity	10°C
Heating Time (25 °C to 800 °C)	20 – 30 minute
Dimensions	W: 40cm D: 50 cm H: 71 cm
Weight	25 kg
Power Supply	220 V, 50 Hz
Power Consumption	3000 W



APPLICABLE

REFERENCES

REFERENCES



Vero
Scientific



VeroVis
Kinematic Viscometer



VeroRes
Carbon Residue
Analyzer



VeroXi
Oxidation Stability
Analyzer



VeroAsh
Ash Content Furnace



VeroDry
Moisture Evaporator



VeroCal
Heat Com. Calorimeter



VeroCor
Copper Corrosion Bath



VeroFoam
Foam Tendency
Analyzer

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