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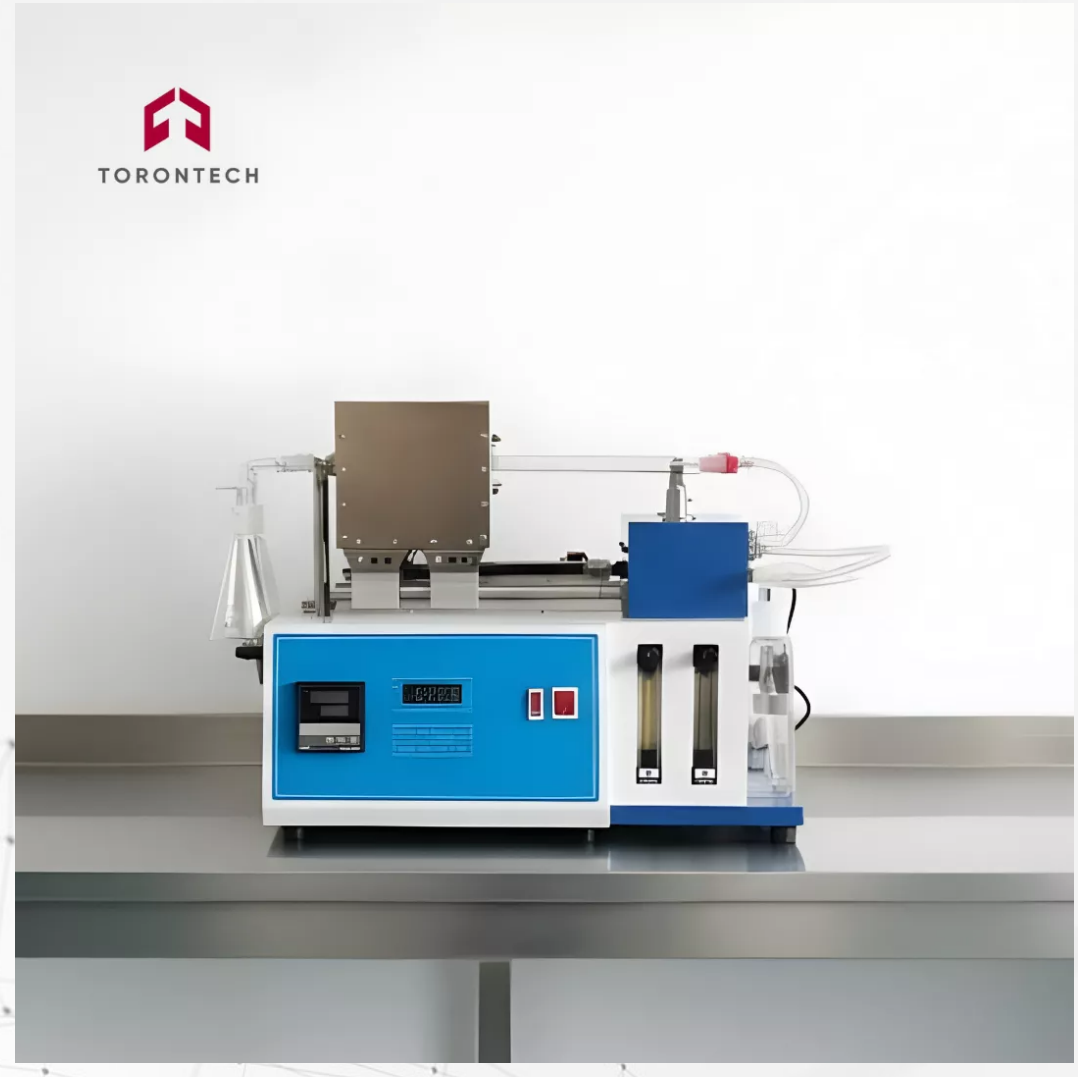

QUARTZ TUBE SULFUR APPARATUS

Quartz Tube Sulfur Apparatus TT-1551

Quartz Tube Sulfur Apparatus TT-1551 utilizing the Quartz-Tube Method, aligns with the ASTM D1551 Method of Test for Sulfur in Petroleum Oils (Quartz-Tube Method).

Quartz Tube Sulfur Apparatus TT-1551 is designed to determine the sulfur content in various petroleum products, including lubricating oil, heavy oil products, crude oil, petroleum oil coke, paraffin wax, sulfur-containing additives, and other dark-colored petroleum products with a sulfur content exceeding 0.1% (m/m).

The TT-1551 model features 2 tubes, while the TT-1551A model comes equipped with 3 tubes for enhanced efficiency in sulfur content testing.

APPLICATIONS

The primary application of the Quartz Tube Sulfur Apparatus TT-1551 is to determine the **sulfur content in a wide range of petroleum products** using the Quartz-Tube Method, in compliance with the **ASTM D1551** standard. It is specifically designed for testing dark-colored products and materials with a sulfur content exceeding 0.1%, such as lubricating oils, heavy oils, crude oil, petroleum coke, and paraffin wax.

Key Industries

- **Petroleum Refining:** This is a crucial quality control instrument for refineries. They use it to measure the sulfur content in crude oil, heavy fuel oil, and petroleum coke to meet product specifications and comply with environmental regulations.
- **Lubricant Manufacturing:** Lubricant blenders use this apparatus to test the sulfur content of their base oils and finished products, especially those containing sulfur-based additives, to ensure the product meets performance and

corrosivity standards.

- **Petrochemicals:** This industry uses the apparatus to test the quality of feedstocks and byproducts like petroleum coke and paraffin wax. Sulfur is often an undesirable impurity that needs to be monitored and controlled.

FEATURES

- The apparatus features a digital temperature controller, ensuring highly precise temperature control.
- Users have the flexibility to set their own experimental time, making it suitable for various testing requirements.
- An alarm signals when the test is complete, enhancing convenience.
- Microchip technology automatically controls the operation of the tubular furnace.
- The apparatus is equipped with a 2-tube (or 3-tube) furnace device. Digital temperature display accurately controls the temperature of the tubes.
- It features a rational construction, attractive appearance, and user-friendly operation.

TECHNICAL SPECIFICATIONS

1. Rated Voltage: AC220V±10% 50Hz (110V also available)

2. Power: 3000W

3. Temperature Control Method: Digital temperature controller

4. Sensor: K-type thermocouple

5. Temperature Control Range: 900~950°C

6. Tubular Tube Length: 150mm

7. Stroke Time: Adjustable from 30, 40, 50, to 60 minutes

8. Flowmeter Range: 100~1000ml/min

9. Ambient Requirements: Temperature: 10~40°C; Humidity not exceeding 85%

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