

VOLATILITY AND RESIDUES IN LIQUEFIED PETROLEUM (LP) GASES APPARATUS



Volatility and Residues in Liquefied Petroleum (LP) Gases apparatus TT-2158

Volatility and Residues in Liquefied Petroleum (LP) Gases apparatus TT-2158 complies with ASTM D2158, the Standard Test Method for Residues in Liquefied Petroleum (LP) Gases, and ASTM D1837, the Standard Test Method for Volatility of Liquefied Petroleum (LP) Gases.

Volatility and Residues in Liquefied Petroleum (LP) Gases apparatus TT-2158 is used to determine extraneous materials that weather above 38°C and are present in liquefied petroleum gases. These materials are typically dissolved in the LPG but may phase-separate in some instances.

APPLICATIONS

The primary application of this apparatus is to test for residues and measure the volatility of Liquefied Petroleum (LP) Gases.

Specifically, it is used to:

- **Determine Residues:** Identify extraneous materials present in LP gases that remain after weathering above 38°C, in compliance with ASTM D2158.
- **Measure Volatility:** Test the volatility of LP gases according to the ASTM D1837 standard.

FEATURES

- The digital display temperature controller allows for easy and flexible operation, with high precision in temperature control.

- The heating output uses a solid-state relay, which is contactless, sparkless, noiseless, and has a long lifespan.
- The heater is made of stainless steel, providing fast heating and long operation time.
- The bath is constructed from stainless steel, making it resistant to corrosion and oxidation, and suitable for various mediums.
- The apparatus features a compressor for composite cooling, offering a fast cooling rate, significant depth, and good stability.
- The design is rational and attractive, with an environmentally friendly approach.

TECHNICAL SPECIFICATIONS

1. Rated Voltage: $220V \pm 10\%$ 50Hz or $110V \pm 10\%$ 60Hz
2. Power: 2000W
3. Temperature Control Mode: Digital display
4. Cooling Bath Temperature: -55°C to $30^{\circ}\text{C} \pm 0.1^{\circ}\text{C}$
5. Bath Temperature: $38^{\circ}\text{C} \pm 0.1^{\circ}\text{C}$
6. Sensor: Pt100
7. Stirring Mode: Electric motor stir
8. Ambient Requirements: Temperature 10°C to 40°C ; Humidity $\leq 85\%$



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