

SYD-6536B Distillation Apparatus



Summary

This instrument is designed and made as per standards GB/T6536 Test Method for Distillation Characteristics of Petroleum Products and ASTM D86 Standard Test Method of Distillation for Petroleum Products at Atmospheric Pressure. It is suitable to determine the distillation characteristics of gasoline, aviation gasoline, jet fuels, solvent having special boiling point, naphtha, diesel oil, distillate fuels, and other petroleum products.

This instrument is a kind of double-units instrument which the minimum temperature of the condenser pipe can reach 0°C. It is an ideal distillation tester for petroleum products under low temperature condition.

I. Main technical features

1. The instrument adopts low temperature and double units working mode. The minimum temperature can set to 0°C. It can do test for one sample or two samples at the same time. It highly improves the work efficiency.
2. It adopts digital temperature controller, stainless-steel heater, new type refrigeration compressor and electric stirrer to constitute constant temperature bath. The temperature in the bath is uniform, can fully meet the requirements of the test.
3. It adopts the specially designed structure, cooling speed is fast. The bath temperature can cool down from room temperature to 0°C within 50 minutes.
4. It adopts special heating furnace to ensure the safety of test. Heating power can be continuously adjusted to meet the requirements of the test.

II. Main technical specifications

1. Power supply: AC(220±10%)V, 50Hz
2. Heating power: 1000W×2.
3. Receiving cylinder: 100ml, division value is 1ml.

4. Distillation flask: 125ml, meet the requirements of GB/T 6536 and ASTM D86
5. Thermometer: (-2~300)°C and (-2~400)°C. Division value 1°C.
6. Flask support board: SiC, bore diameter is: Φ32mm, Φ38mm, Φ50mm.
7. Temperature controller: 1) Range: 0°C~60°C
 - 2) Accuracy: ±0.5°C
 - 3) Display: LED

Note: The temperature control is to control the temperature of condensate in the condenser pipe.

8. Ambient temperature: ≤30°C
9. Relative humidity: ≤85%
10. Cooling system: New type refrigeration compressor
11. Maximum power consumption: 4000W
12. Dimension: 730mm×530mm×580mm