

SYD-6536C Distillation Apparatus



Summary

The 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, special boiling point solvent, naphtha, diesel oil, distillate and similar petroleum products.

I. Main technical features

- 1.The electric parts are controlled by controlling case.
- 2.The controlling case is made of cold rolled steel. It has an observation window and a built-in furnace. The electric part is at the lower section of the controlling case.
- 3.The furnace part is composed of SiC furnace base, a heater of 1000W/220V, and SiC plate. The position of the furnace can be adjusted by rotating the up and down knob on the controlling case so that you can adjust the relative position of distillation flask and the opening of condensation tube. The heating power can be adjusted by rotating the voltage adjusting knob.
- 4.The refrigeration bath is made of stainless steel. It contains heating device, refrigeration device, temperature measuring device and stirring device. The stirring device is driven by a motor.
- 5.The dimension of condensation tube complies with GB/T6536.

II. Main technical specifications

1. Power supply: AC 220 V \pm 10%, 50 Hz
2. Heating power: 1000 W
3. Receiving cylinder: 100 ml. Scale division 1 ml.
4. Distillation flask: 125 ml, as per GB/T6536 and ASTM D86.
5. Thermometer: Total immersion. They are from -2 to 300 °C and from -2 to 400 °C. The scale divisions of them are 1 °C.
6. Flask support board: SiC. Diameters of holes are ϕ 32mm, 38mm, and 50mm.
7. Temperature controller:
 - (1) Range: 0 °C to 60 °C
 - (2) Accuracy: \pm 0.5°C
 - (3) Display: LED
8. Ambient temperature: \leq 30°C
9. Relative humidity: \leq 85%
10. Refrigerated compressor: New-type refrigeration compressor
11. Maximum power consumption: 2500 W