

## Distillation Apparatus

### Introduction:

Our distillation apparatus 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.



### 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, heater of 1000W/220V, and SiC plate. The position of 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.

### Specifications:

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