

## Vacuum Distillation Apparatus

### Introduction:

Our vacuum distillation apparatus is designed and made as per the industrial standard of People's Republic of China SH/T0165-92 Standard Test Method for Distillation of High Boiling Point of Petroleum Products at Reduced Pressure. It is suitable to determine the distillation characteristics of high boiling point petroleum products, such as wax oils, lubricating oils, etc.

### Features:

1. This instrument is desktop structure. It is composed of distillation test part and vacuum process part. It can meet requirements of SH/T 0165.
2. The power of the heating furnace can be adjusted continuously. It equips a cooling device to make the heating furnace cooled down rapidly after determination. It is convenient for next test.
3. The vacuum pump has good effect. The max residual pressure is 2mmHg.



### Specifications:

Power supply	AC 220 V $\pm$ 10%, 50 Hz
Heating power	Heater for distillation flask: 1000W, Heater for receiver: 350W
Heating power for distillation flask	(0~1000)W, adjustable
Temperature range for air bath of receiving flask	Ambient to 100°C, adjustable
Temperature sensor of air bath	Pt100, RTD
Temperature control mode for air bath	Digital temperature controller
Temperature control precision	Set temp. $\pm$ 1 °C
Capacity of buffer vessel	1000 ml
Max. residual pressure	2mmHg
Illumination light in the air bath	Energy saving lamp
Working condition	Ambient temperature: (5~35)°C Relative humidity: $\leq$ 85%