

SYD-0165A Vacuum Distillation Apparatus



Summary

This instrument is designed and made as per industrial standard SH/T 0165-92 Standard Test Method for Distillation Characteristics of Petroleum Products with High Boiling Point Range by Vacuum Process. It is suitable to determine the distillation characteristics of wax oil, lubricating oils and other petroleum products with high boiling point range.

I. Main technical features

1. This instrument adopts high accuracy pressure sensor and digital pressure gauge. The design is reasonable and technology is advanced. It can meet requirements of standard SH/T 0165-92.
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 the determination. It is convenient for next test.
3. The vacuum pump has a good effect and rapid vacuum time. The max residual pressure is 2mmHg.

II. Main technical specifications

1. Power supply: $(220 \pm 10\%)$ V, 50Hz
2. Heating power Heater for distillation flask: 1000W,
Heater for receiver: 350W
3. Heating furnace of distillation flask: $(0 \sim 1000)$ W, adjustable
4. Temperature control point of air bath of receiver: Ambient to 100°C , adjustable
5. Temperature sensor of air bath: Pt100, RTD
6. Temperature control mode: Digital temperature controller
7. Temperature control precision: Set temp. $\pm 1^{\circ}\text{C}$
8. Capacity of buffer vessel: 1000ml
9. Max. residual pressure: 2mmHg
10. Digital pressure gauge: $(0 \sim 200)$ mmHg
11. Illumination light in the air bath : Energy saving lamp
12. Working condition Ambient temp.: $(5 \sim 35)^{\circ}\text{C}$
RH: $< 85\%$
13. Dimension: 580mm \times 230mm \times 605mm