

Pre-installation Checklist

Conditions for installation:

1. The ambient temperature: $5^{\circ}\text{C} - 35^{\circ}\text{C}$, and the relative humidity: $\leq 80\%$.
2. The laboratory should be free of violent vibration, airflow, strong electromagnetism and corrosive gases.
3. Equip the laboratory with proper work surface: $700\text{mm (W)} \times 2500\text{ mm(L)} \times 600\text{mm(H)}$.
4. Equip the laboratory with stable power supply of $220\text{ V} \pm 22\text{ V} / 50 \pm 1\text{ Hz}$ (grounded well). Two groups of power supply in different phase: Controlling power $\geq 1\text{ kW}$, and heating power $\leq 4\text{ kW}$. Reserve locations for one air switch and one three-core socket (20A, 220V).

Preparation:

1. Quartz sand or fine sand (incinerated at 900°C for half an hour), for measuring the petroleum products.
2. Absorbent cotton (medical), high temperature cotton (glass wool).

3. Oxygen: Prepared by industrial method (purity>99.5%).Do not use electrolytic oxygen. The cylinder pressure of gas supply should be more than 3MPa.

4. Please confirm connectors of the cylinder are consistent with Chinese standard (G5/8"-RHF) (the screw thread is on the outside) to make it match with the reducing valve the instrument equipped with, if not, please prepare the reducing valve (Guage for cylinder is 0-25MPa, guage for outlet is 0-1MPa) by yourself.

5. An electric balance with a resolution of 0.1 mg.

6. One desiccator.