

Pre-installation Checklist

Conditions for installation:

1. The laboratory should be free of violent vibration, airflow, strong electromagnetism and corrosive gases.
2. Equip the laboratory with proper work surface: 800 mm (W) × 2500 mm (L) × 600 mm (H).
3. Equip the laboratory with stable power supply of 220 V~ 240 V /50~ 60 Hz (grounded well). Three groups of power supply in different phases: Controlling power ≥ 1 kW, heating power ≤ 5 kW. Reserve locations for two air switches and two three-core sockets (20 A, 220~ 240 V).

Preparation:

1. For the air method, it's unnecessary to prepare any gas or reducing valve. But if nitrogen or oxygen is used during the test, please prepare:
 - a. Gas: (prepared by industrial method).

Oxygen: Purity > 99.5%, pressure = 0.1 MPa (after decompression).

Nitrogen: Purity > 99.5%, pressure = 0.1 MPa (after decompression).

- b. For the gas method, 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 by yourself.

- 2. Absorbent cotton (medical).

- 3. One pair of fine sand gloves.

- 4. Standard coal samples, especially those close to the samples to be analyzed.

- 5. One UPS whose power should be more than 5.5 kW (optional).

- 6. Prepare one desiccator.