Pre-installation Checklist

Conditions for installation:

1. The ambient temperature:5°C - 35°C, and the relative humidity:≤ 80%.

2. The laboratory should be free of violent vibration, airflow, strong electromagnetism and corrosive gases.

3. There should be free of SO_2 in the air, otherwise, add NaOH in the drying pipe.

4. Work surface: 700mm (W)×2500 mm(L)×600 mm(H).

5. Equip the laboratory with stable power supply of 220 V ± 22 V / 50 ± 1 Hz (grounded well). Two groups of power supply in different phases: Controlling power ≥ 1 kW, and heating power ≤ 3.5 kW. Reserve locations for one air switch and one three-core socket (16A,220 V).

Preparation:

1. Chemicals (analytical pure)

(1) Potassium bromide	1 Bottle	(2) KI Potassium iodide	1 Bottle
(3) Glacial acetic acid	1 Bottle	(4) absolute ethyl alcohol	1 Bottle
(5) Potassium dichromate	1 Bottle	(6) Concentrated sulfuric acid	1 Bottle
(7) Vaseline	1 Bottle		
(8) sodium hydroxide (NaOH)	1 Bottle (Optional, used for filtrating SO_2 in the air		

2. Quartz sand or fine sand (incinerated at 900°C for half an hour), for measuring the petroleum products.

3. Absorbent cotton, 1pack.

4. Distilled water, one liter.

5. Electronic balance, 0.1 mg sensitivity.One brown bottle (500 ml) with ground mouth.

6. A stirring rod, a bottle for cleaning, a large forceps, two beakers (500 ml).

7. One desicator.