

Maintenance

1. Replace the anhydron

We replace anhydron about 100-200 samples or when the desiccant change color and agglomerate. Usually, when the desiccant in the left side is out of work, then replace the desiccant and quartz wool in the reagent tube. If at that time, the disccant in the right side doesn't abate, it doesn't need to be replaced and you can exchange the position of the left and the right reagent tube and install them. It must be handled carefully to avoid O-rings smear by the desiccant; Replace the O-ring if it is damaged or aging; Anhydron is the strong oxidant, quartz wool can't be replaced by the common cotton. The replaced anhydron should be put separately, can't mix with the combustibles.

2. Replace the filter

Usually the filter is replaced every half a year or one year, you should replace the filter if the air current is blocked or the phenomenon that the vacuum flow lowers gradually appears.

3. Replace the quartz wool

We should replace the quartz wool timely when the quartz wool in the reagent tube is dirty.

4. Replace the O-rings

Replace the damaged O-ring when we replace the quartz wool or anhydron, clean the top and bottom adapter, and smear little silicon grease on the O-ring surface of both ends of reagent tube in order to keep it tight.

5. Clean Ash

Take down the left reagent tube, insert the test tube brush into the air vent of the big adapter, clean the ash in the conduit every half a month.

6. Check tightness:

You should check the tightness once a month under normal conditions, and also you should check the tightness at once after you replace the part in the gas circuit.

7. System correction

The instrument should conduct a system correction when it is used first time or change the condition of test or the result doesn't pass muster; it needs 3~5 kinds standard coal samples (low, medium and high sulfur content) to analyze, and use the result to conduct the system correction, before system correction, we should define a standard value before correction, and build a new method.

8. Furnace temperature calibration

Furnace temperature calibration should be conducted after keeping 2 hours constant temperature.