

Data sheets - Kentax UHV evaporator TCE-BSC

The following data sheets show temperature curves of one driven heater element whereas the other two elements are not heated but recorded in their temperature. From these diagrams you can see how long a crucible can be heated before the neighboring crucible (with its material) reaches the maximum allowed temperature.

The curves also show that if preparation cycles are finished within 5-10 min, you need not any cooling of the cryostat in most cases of material choice. For example, the neighboring crucible No. 2 rises in temperature to 27 °C if heater No. 1 is heated to 350 °C for 10 minutes without cooling flow (second diagram). Note: Without cooling, there was still an ongoing increase in temperature a few minutes after heating of the crucible had been stopped.

When using water for cooling you don't have this effect (see first diagram).















