

Safe, Reliable Constant Temperature Bath up to 300°C

XE-Series for Sapphire Etching (Al₂O₃) & Beyond – Accubath® XE was designed for Sapphire etching, but many other processes benefit from the increased chemical reactivity provided by up to 300°C temperatures.

Designed to Take the Heat – Liquids in Accubath® Xe tanks contact only high-purity quartz, including the built-in automated lid. No PTFE connections, sensors, or any other parts are used in the process area. A special version of our Aquaseal offers increased reliability of the critical seal that isolates heater components from the environment. The specialized housing utilizes ECTFE for superior temperature and chemical compatibility. Advanced construction techniques isolate the heat inside.

Auxiliary Modules Make it Complete – No drain valve works at these temperatures. So, we designed a quartz aspirator to remove chemistry without having to wait for it to cool. The aspirator drains the tank to a cool-down module below the tank. The cool down module has quartz cooling coils to assist in lowering the chemistry temperature quickly. The modules working together create a system that addresses the challenges of working at high temperatures, and provide you the freedom to experiment with processes previously not possible.



Features & Benefits

1. Inverted quartz autolid keeps content inside the tank
2. Quartz cooling coils minimize vapor clouds near the lid
3. Aquaseal lowers flange temperature and protects critical quartz to plastic sealant
4. Quartz air-operated aspirator effectively drains the process chamber even at max operating temperature
5. Quartz RTD wells protect the temperature sensor to enable accurate readings
6. Quartz cool down box contains drained hot chemistry until safe for use
7. Hydraulically-actuated cylinder for smooth lid controls
8. High-density Aluminum Silicate insulation retains heat
9. Quartz chamber with heavy-gauge inconel heating element
10. Quartz locator plate holds the carrier
11. ECTFE housing for superior temp and chemical compatibility
12. Quartz secondary containment tank holds hot liquid for redundant safety

