

High Performance Water Chillers Line

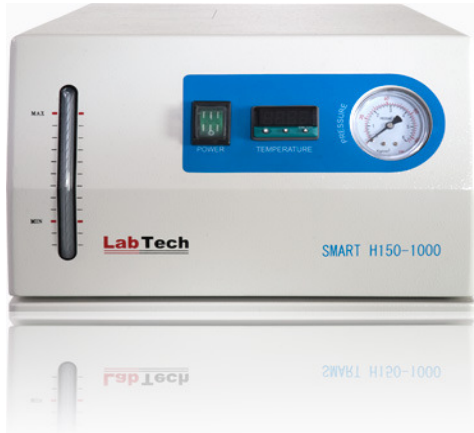


Water is one of the most precious resources. Still today water is commonly used as coolant in many laboratories, even if it is not a reliable element due to the varying ambient temperature. Most water used as coolant is not recycled, leading to expensive lab costs. LabTech offers a complete line of recirculating water chillers to match all laboratory needs. LabTech's state-of-the-art water chillers ensure accurate and constant cooling conditions for your instrumentation in the harsh environment of the laboratory.

H series water recirculating chillers uses hot gas bypass temperature control method. Hot gas bypass routes the hot, uncondensed refrigerant back through a reservoir coil thus eliminating on/off cycling of compressor and the addition of energy-wasting heaters. This method combined with PID temperature control technique allows accurate temperature control, greater energy efficiency, and increased compressor lifetime.

Applications of LabTech Water Chillers

- AAS
- ICP-OES
- ICP-MS
- XRF
- XRD
- Rotary evaporators
- Distillation
- Diffusion pumps
- Sputtering systems
- Lasers
- Industry
- Electron microscopy



Technology & Design

Every Labtech water chiller is provided with an electronic display to monitor and control the temperature via PID technology with a stability of $\pm 0,1^{\circ}\text{C}$. The liquid circuit pressure is monitored and controlled via an analogic pressure indicator. Furthermore every system is provided with a liquid level indicator for maximum safety of operations.

Quality & Durability

The internal components of the Labtech water chillers line have been accurately selected and intensively tested by our R&D to guarantee maximum performance, reliability and long time of operations. Nevertheless Labtech has designed the water chiller line “S” to guarantee the minimum level of noise during operations, thus allowing installations directly in the laboratory next to the unit to be cooled. The design is created to simplify the service of the internal components in case of need.



Versatility & Easy to use

All Labtech water chillers are provided with 4 heavy duty casters for easy transportation inside the lab. The units can be provided with control interface (optional) for any type of external device. Every unit has built in drain to easily remove the liquid from the internal reservoir. Water connections are located on the rear side. Simply connect and go!