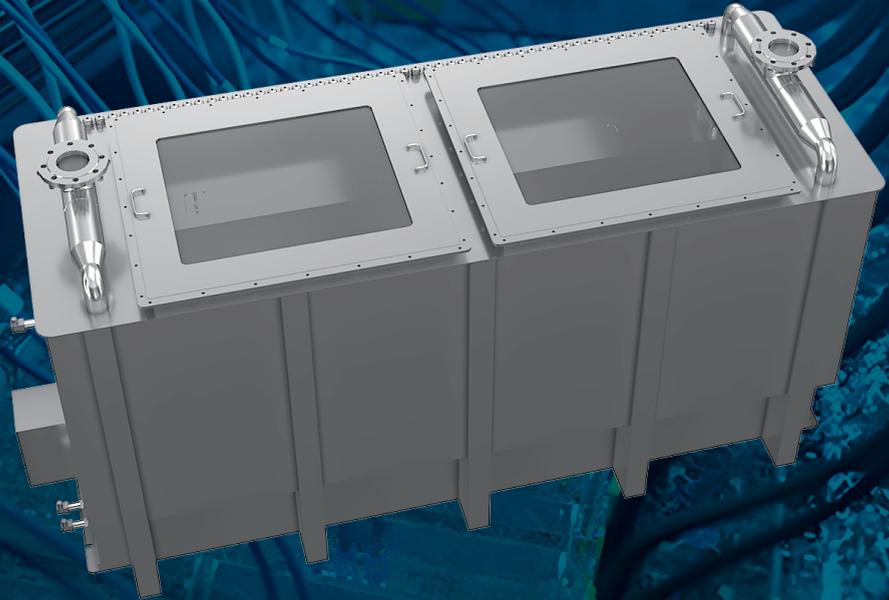


Immersion Cooling Equipment

| Phase Change Immersion Cooling TANK



Overview

The system uses insulating fluorocarbon fluid to absorb heat generated by high-power computing chips and other electronic components through phase-change evaporation. The vaporized fluorocarbon condenses back into liquid, releasing heat.

Enables ultra-low power consumption, silent operation, and stable overclocking of high performance computing chips.

Features

Energy Saving

- Integrated Condenser Option – Per tank cooling capacity ≥ 200 kW.
- Up to 1200 kW cooling capacity per tank.
- Automotive-Grade N+1 EC Pumps – Over 30% lower power consumption than conventional centrifugal pumps.
- High-Efficiency Microchannel Dry Coolers – Up to 30% higher cooling efficiency compared with conventional dry coolers.
- Optional Heat Recovery Module – Provides 40–90 °C hot water output.

Reliability

- Automotive-Grade Pump Set – Significantly higher reliability than traditional centrifugal pumps, with quick-swap replacement capability.
- Monolithic Tank Structure – Engineered to withstand both internal static pressure and dynamic loads from fluorocarbon vaporization.
- Safety & Monitoring – Equipped with static pressure relief valve and fluorocarbon recovery system, featuring real-time cabinet pressure monitoring and automatic power cutoff under abnormal conditions.
- Higher operational reliability.