

5-in-1 Integrated Liquid Cooling Service Equipment

Models: TC-SVC-AIO (all-in-one) · TC-SVC-PH (pressure holding) · TC-SVC-TB (transition box)



PRODUCT OVERVIEW

Flushing, drying, vacuum pumping, nitrogen charging and pressure holding for liquid cooling loops and cabinets, as an all-in-one integrated machine, a dedicated pressure holding device and a transition box.

KEY FEATURES

- Five service processes in one platform: flushing, drying, vacuum pumping, nitrogen charging, pressure holding
- RS485 and RJ45 interfaces; Modbus TCP, Modbus RTU and JSON protocols
- Water quality detection (pH, conductivity, turbidity) on the integrated machine and transition box

PRODUCT SPECIFICATIONS

Parameter	TC-SVC-AIO All-in-One	TC-SVC-PH Pressure Holding	TC-SVC-TB Transition Box
Power Supply	380 V, 50 Hz (400 V to order)	220 V, 50 Hz (230 V to order)	
Dimension (with casters)	800 × 800 × 2000 mm	600 × 600 × 1750 mm	
Rated Power	12 kW	0.5 kW	
Communication Interface	RS485, RJ45		
Communication Protocol	Modbus TCP, Modbus RTU, JSON		
Max. Devices Simultaneously	4 transition boxes	4 DUTs (devices under test)	1 complete cabinet
Pressure Holding Range	0 – 0.7 MPa adjustable		—
Differential Pressure Detection	Min. 0.1 kPa, configurable		—
Water Quality Detection	pH, conductivity, turbidity	—	pH, conductivity, turbidity
Ambient Detection	—	Temperature & humidity	Temperature & humidity
Auto Restart After Power Failure	Y	—	Y
Power-off Memory Retention	Y	—	Y

APPLICATIONS

Loop Commissioning

Cabinet Delivery Testing

Maintenance