

WL Series Liquid Cooling System

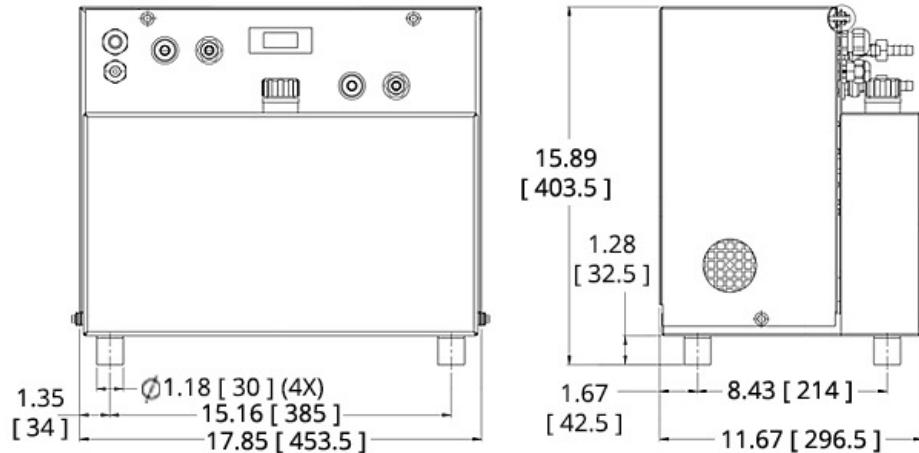
The WW5001 uses facility water as a hot side heat dissipation mechanism, which increases the cooling capacity while maintaining form factor. The WW Series system is designed to operate using water as coolant.

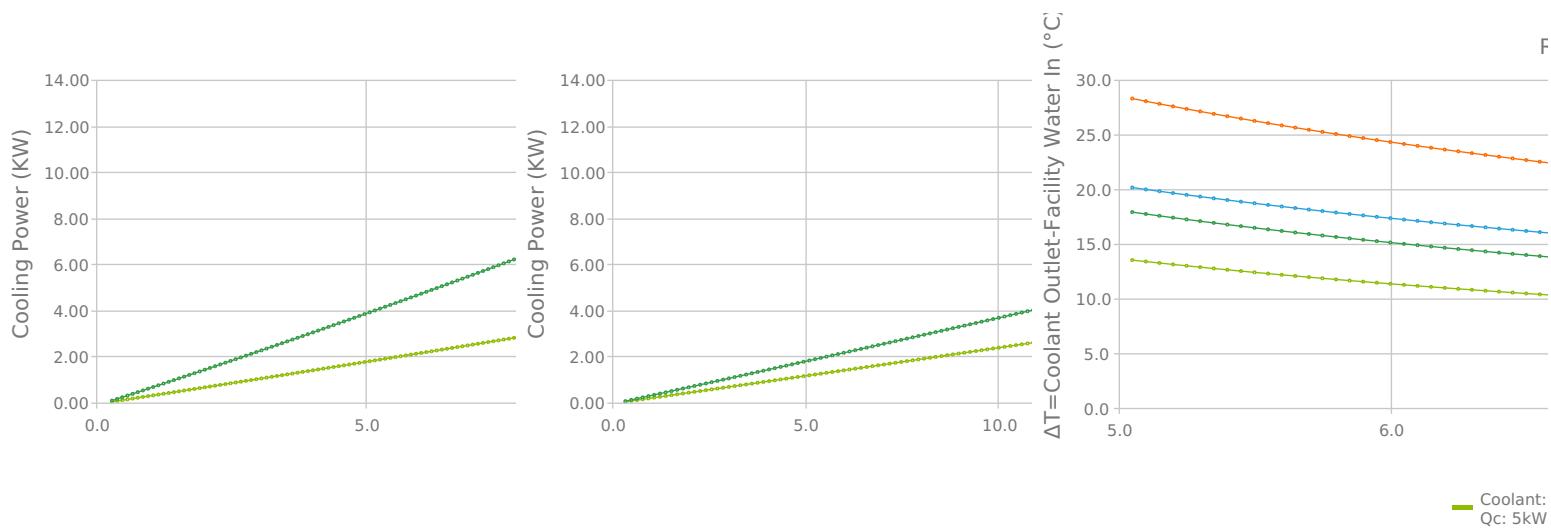
**Features**

- Cooling to ambient
- High heat pumping capacity
- Compact form factor
- Long life operation

Applications

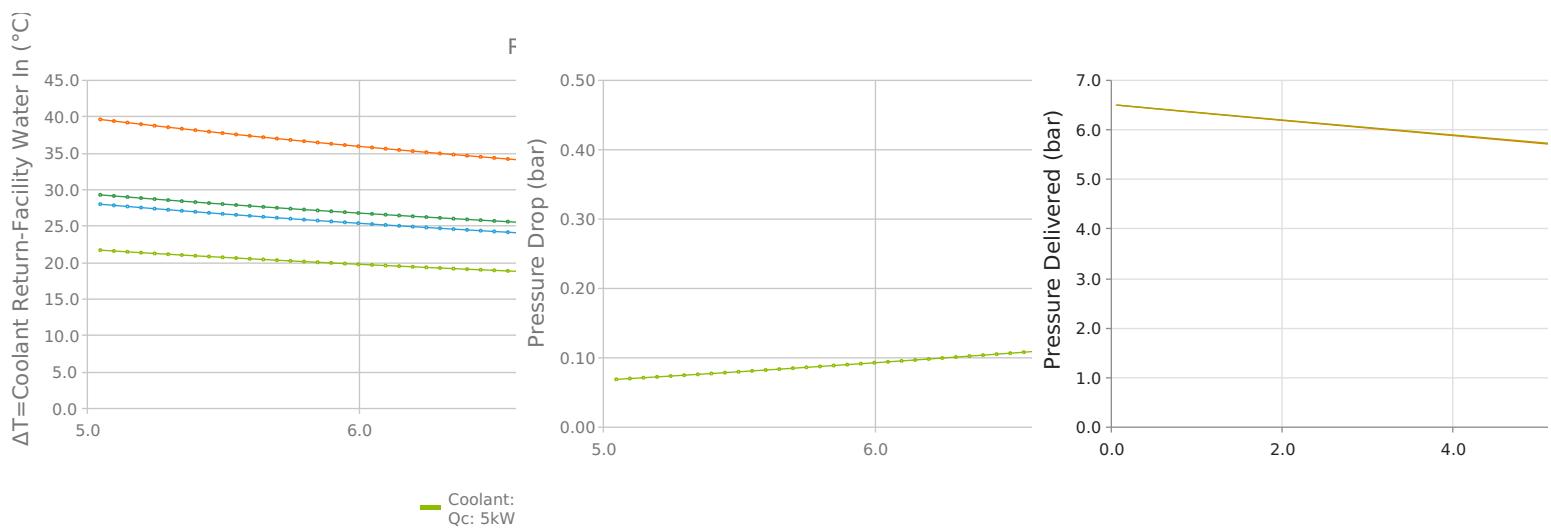
- Cooling Particle Accelerators: Linear Accelerators and Cyclotrons
- Semiconductor Fabrication Equipment Cooling
- X-ray Cooling in Industrial Scanners





* ΔT (Coolant Outlet - Facility Water In) is the temperature difference between the facility water temperature and the coolant temperature that is at the outlet of the heat exchanger during steady-state operation. This temperature difference would initially be 0 and increase to the steady state value under load. This would also be the temperature at the inlet to the application.

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Technical Specifications

Performance

Nominal Cooling Capacity	5,000 W
Nominal Operating Flowrate (60 Hz)	10.0 L/min @ 4.0 Bar
Nominal Operating Flowrate (50 Hz)	10.0 L/min @ 4.0 Bar

Operation

Coolant	Water
Operating Temperature	0°C to 40°C
Storage temperature range (w/o coolant)	-20°C to 70°C
Humidity range	10% to 90%
Storage Humidity range	5% to 95%, non-condensing
Input Voltage	230 VAC
Frequency	50/60 Hz
Current	< 2.1 Amps
Noise	< 48 dB(A)
Flow Switch Open	≤ 4 L/min
Maximum Forward Pressure	6.5 Bar

Physical

Height	370 mm
Length	450 mm
Width	300 mm
Weight	27 kg
Coolant Capacity	8.5 Liters
Couplings	Press Fit (9 mm ID hose)

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Revision: 00 Date: 09-25-2024

Print Date: 05-12-2025