

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
- Spindle Screw Pump Technology for Medical Cooling
- Semiconductor Fabrication Equipment Cooling
- X-ray Cooling in Industrial Scanners



TECHNICAL SPECIFICATIONS

Performance

Cooling Capacity	5,000 Watts
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	24 kg
Coolant Capacity	8.5 Liters
Couplings	Press Fit (9 mm ID hose)

NOTES

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