Oil to Liquid Heat Exchanger OW4002
MFG Part Number: 1155.00

WW Series Liquid Cooling System

The OW4002 uses facility water as a hot side heat dissipation mechanism, which increases the cooling capacity while maintaining form factor. The OW Series system is designed to operate using oil as coolant.

Features

- Cooling to ambient
- High heat pumping capacity in smallest 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

Nominal Cooling Capacity	4,000 W
Nominal Operating Flowrate (60 Hz)	22.0 L/min @ 3.5 Bar
Nominal Operating Flowrate (50 Hz)	22.0 L/min @ 3.5 Bar

Operation

Coolant	Shell Diala S4
Operating Temperature	5°C to 40°C
Storage temperature range (w/o coolant)	-40°C to 70°C
Humidity range	20% to 80%
Storage Humidity range	5% to 95%, non-condensing
Input Voltage	230 VAC
Frequency	50/60 Hz
Current	< 3.6 Amps
Noise	< 60 dB(A)
Flow Switch Open	≤ 17 L/min
Maximum Forward Pressure	9 Bar

Physical

Height	551 mm
Length	621 mm
Width	350 mm
Weight	45 kg
Coolant Capacity	23 Liters
Oil Fitting	M26 x 1.5 Female
Facility Coolant Fitting	3/8 in Barb (9 mm)

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