

### 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

<b>Nominal Cooling Capacity</b>	4,000 Watts
<b>Nominal Operating Flowrate (60 Hz)</b>	17.0 L/min @ 3.5 Bar
<b>Nominal Operating Flowrate (50 Hz)</b>	17.0 L/min @ 3.5 Bar

### Operation

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

### Physical

<b>Height</b>	551 mm
<b>Length</b>	621 mm
<b>Width</b>	350 mm
<b>Weight</b>	45 kg
<b>Coolant Capacity</b>	23 Liters
<b>Oil Fitting</b>	M26 x 1.5 Female
<b>Facility Coolant Fitting</b>	9 mm Barb

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Revision: 00 Date: 06-01-2022

Print Date: 06-16-2022