

### WLK Series Liquid Cooling System

The WLK31 is a compressor-based recirculating chiller that offers dependable, compact performance by controlling the temperature of water or water with glycol (antifreeze) in a liquid circuit. The coolant is recirculated using a pump with high MTBF. Heat from the coolant is absorbed by a durable, compressor-based system and dissipated to the ambient environment. The unit is regulated with an easy-to-use digital temperature controller with push button interface. The unit is housed inside a rugged sheet metal casing. Standard cooling capacities range are available up to 3 KW. However, custom solutions have been designed to remove up to 200 KW of heat.



### Features

- Cooling to below ambient
- High heat pumping capacity
- Variable temperature control
- High temperature stability
- CFC free refrigerants
- Long life operation

### Applications

- [Cooling Particle Accelerators: Linear Accelerators and Cyclotrons](#)
- [Semiconductor Fabrication Equipment Cooling](#)
- [X-ray Cooling in Industrial Scanners](#)

## TECHNICAL SPECIFICATIONS

### Performance

<b>Nominal Cooling Capacity</b>	3,000 Watts
<b>Nominal Operating Flowrate (60 Hz)</b>	6.0 L/min @ 4.0 Bar
<b>Nominal Operating Flowrate (50 Hz)</b>	6.0 L/min @ 4.0 Bar

### Operation

<b>Operating Temperature</b>	5°C to 35°C
<b>Storage temperature range (w/o coolant)</b>	-25°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

### Physical

<b>Height</b>	920 mm
<b>Length</b>	590 mm
<b>Width</b>	610 mm
<b>Weight</b>	115 kg

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