

WLK Series Liquid Cooling System

Note: This product is not recommended for new designs.

Please use the recommended replacement:

MFG Part Number: 385912-029

Description: NRC5000-A1-20-ST1

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

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

Operation

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

Physical

Height	920 mm
Length	590 mm
Width	610 mm
Weight	115 kg

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