

# Summit Matsu Chillers

## Project Success Story

### Client:

**University Of New South Wales**

#### Project 1: Vallentine Annex

**Application:** To cool environmental rooms as part of the University Services for testing concrete samples.

**Chiller:** 12kW Cooling. (UMWC-8-12)  
Air-cooled unit.

**Special features:** Integrated water buffer tank to give temperature stability for close temperature control.



#### Project 3: Newton Building

**Application:** Process Cooling.

**Chiller:** 56kW Cooling (UMWC-8-56)  
Air-cooled with tank and pump.

**Special features:** Short lead time.  
High profile project.



#### Project 5: Library Data Centre

**Application:** Data Centre cooling.

**Chiller:** 2x 275kW Water-cooled chillers (UMWC-9-275)

**Special features:** Dual refrigeration circuits for redundancy.  
Semi-hermetic screw compressors.  
MODBUS high level interface.



### Project Overview:

Summit Matsu Chillers supplied multiple chillers to the university for a variety of different applications.

#### Project 2: Electron Microscope Cooling

**Application:** Cooling the secondary waterloop for the \$70M electron microscope facility.

**Chiller:** 7.3kW Cooling. (UMWC-7-7)  
Air-cooled unit.

**Special features:** Integrated water pump.  
Copper condensing coils for increased machine life.



#### Project 4: Library-Rare books

**Application:** Air-Conditioning

**Chiller:** 65kW Cooling. (USDA-7-65)  
Air-cooled unit.

**Special Features:** Dual refrigeration circuits for redundancy.  
Copper condensers for longer life.  
Bacnet high level interface.



Copper condensers

#### Project 6: Facilities Management

**Application:** Air Conditioning.

**Chiller:** Air-Cooled 190kW & 300kW.

**Special features:** Multiple refrigeration circuits for redundancy.  
Screw compressors with infinite capacity control.  
Copper condensers for longer life.  
Bacnet high level interface.



### Company Summary info:

Summit Matsu Chillers supplies world class air-cooled and water-cooled chillers for for all kinds of industrial and commercial applications.

Summit Matsu Chillers designs, engineers and builds all these units in Alexandria, Sydney, using only the highest quality parts and most energy efficient components available. Assembled by highly skilled engineers and tradespeople all these units are built to withstand the rigorous and demanding conditions that are a feature of the Australian environment.

Summit Matsu Chillers has 50 years of specialist chiller experience giving the company the depth of knowledge to solve any problem quickly and provide the cooling solution a client needs.

Visit our website for more Project Success Stories.

[www.matsu.com.au](http://www.matsu.com.au)

