

Company Profile

EQUIPMENT THAT EXCEEDS EXPECTATIONS

Cold Magic Australia. Supplying high quality energy efficient HVAC&R refrigeration chillers and products throughout Australia.

CLIVET STANDARD RANGE OF CHILLERS AND HEAT PUMPS

Focused on the highest energy efficiency and strong financially sustainable long term solutions.

COLD MAGIC SPECIAL APPLICATION & CUSTOM CHILLERS

Uniquely designed flexible chillers that are 100% optimised for the Australian environment.



INTRODUCTION

Our HVAC Eurovent “A class” equipment meets and exceeds MEPS and BCA energy efficiency requirements. Our chillers with varied methods of capacity control from highest efficiency DC Brushless compressors, slider valve economized screw compressor and uneven stepped control scroll compressors. Our equipment can also be integrated with a wide range of industry leading proven energy saving devices such as free-cooling, heat recovery, simultaneous heating/cooling and EC head pressure management. Overall Cold Magic Australia offer a wide range of solutions to empower client side energy savings.

QUALITY ASSURANCE

Meeting the quality requirements of our clients is a primary goal of Cold Magic Australia. We strive to ensure we will be renowned for our quality, cost effectiveness, and overall professional representation for all our products. Our commitment and capability in quality management is assured.

MISSION STATEMENT

Our core commitment to our business and customers is to remain at the forefront of innovation while remaining simple to understand, clear to apply and most importantly cost effective to maintain.

DESIGN PHILOSOPHIES

Equipment and design philosophies while in part being project and application driven do share some common foundation. Our designs use high quality proven branded components, this ensures you not only are getting a high quality product but a long term sustainable product that is serviceable using open source parts from the industry. We endeavour to keep propriety components to the minimum. Naturally some items do require dedicated factory interfacing such as controllers, but even for these our controllers are commonly Siemens or Carel which are both well represented.

DESIGN A SOLUTION

We can give engineering assistance on what products best suit our clients’ needs and most importantly the limitations if any for each product type.

Custom Range



SPECIALISED APPLICATION OEM PRODUCTION

Certain applications call for unique tightly controlled specified equipment. Whether its certain brand paints, Stainless steel frame, galvanised frames, low condenser TDs, units with seismic restraints or others we can offer a solution to fit most requirements.

FLEXIBLE SHAPE AND SIZE

Chillers are always evolving in design and often plant rooms are engineered around equipment of its time, however during refurbishment current standard products don't fit. We're here to help and can build solutions to suit.

CLIENT SPECIFIED COMPONENT BRANDS

In remote locations or for part commonisation, occasionally users require/prefer specific component brands. In most cases we can accommodate these in custom builds.

CONNECTIONS TO MATCH EXISTING SITES

Site labour is a major part of any refurbishment projects. Why replace chillers and have 100s of hours of site plumbers which hydraulic reworks, we can offer chillers ex-factory with connections to match your site and save you time.

ADIABATIC SPRAY SYSTEMS

Adiabatic systems have (2) distinct functions. Enable operation in short peak conditions and keep systems operational during all ambient temperatures OR second enable higher output with lower available site power. Want to know more, contact us.

MINI SCREW CHILLERS

Screw chillers are proven to be smooth, efficient and preferred by clients but most standard chillers only use screw compressors over 300kW. Our mini screw chillers start from as low as 50kW.

Standard Range

AIR COOLED CHILLERS & HEAT PUMPS (4.25kW..1350kW)

The commonly required packaged air cooled chillers and heat pumps from Cold Magic are elegantly and efficiently packaged. Featuring state of the art features and suitable for most mechanical services projects.



AIR COOLED REMOTE CONDENSER (9.0kW..1200kW)

Effective solutions for limited sized plant rooms or roof decks giving the ability to split the chiller package into the chiller heat unit and remote condenser.



WATER COOLED CHILLERS & HEAT PUMPS (6.3kW..699kW)

Compact modular multi scroll systems with high COP and IPLV performance. These liquid chillers & heat pumps are well suited as individual or parallel operation and available with local controls for staging management.



DX CONDENSING UNITS (6.3kW..588kW)

Designed for optimum direct coupling to AHU's where site conditions allow. Condensing units reduce the requirements for intermediate hydronic modules.



AIR COOLED MULTI-FUNCTION (55.8kW..1190kW)

Maximum annual energy savings are possible using multi-function chillers. These units simultaneously produce chilled and heating fluids and can reach an efficiency double that of traditional systems.



CLOSE CONTROL UNITS (19kW..119kW)

Specialised equipment for area's with high thermal loads and continuous operation such as Data centre and telecommunication rooms. Available in DX, CW or Water cooled.



AIR COOLED DUCTED (4.25kW..318kW)

Whether due to noise, poor environment, or space ducted air cooled chillers can represent quality alternatives compared to the traditional outdoor units. Our impressive range of quality solutions compliments to total product line up.



FRESH AIR TREATMENT UNITS (ENERGY RECOVERY) (10kW..123kW)

A unique decentralised approach to fresh air management. These units allow for both higher site efficiencies with dedicated focus on fresh air quality.



APPLICATIONS

High Humidity Rooms

Building Air Conditioning

Dairy Milk VAT Cooling

Winery Chillers

Water Treatment Chilled Water

Machine Cooling

Commercial Air Conditioning Systems:

Hotels

Offices

Cinemas

Shopping Centres

Hospitals

Industry

Wineries

Dairies

Refrigerated Cool Rooms / Freezer Rooms using secondary fluids:

Hospitality

Medical

Research

SERVICE OPTIONS

Equipment can be sold excluding service, with factory commissioning assistance/supervision or even with 12-24 month service contracts.

DELIVERY OPTIONS

We can deliver to site or workshops but don't offer delivery into residential addresses.



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