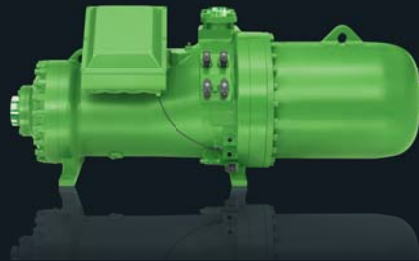
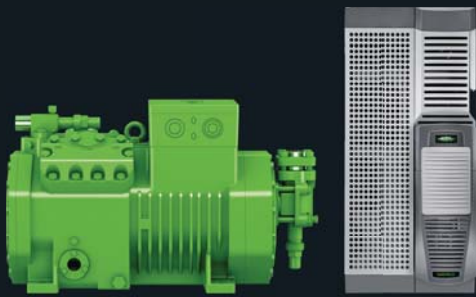


BITZER AUSTRALIA  
**PRODUCT RANGE**





THE HEART OF FRESHNESS



## OUR TECHNOLOGY IS EXCEPTIONAL. OUR RANGE OF SERVICES IS FIRST CLASS.

BITZER is a technology leader in heat exchange, refrigeration and air conditioning solutions. We understand that refrigeration equipment and projects require a special range of quality services to complement the product. These services are fundamental to ensure the installed end products can operate under optimal conditions. This starts from selection, through to installation, to final long term operation.

We offer customised technical training sessions for customers and can assist with commissioning new equipment. Whatever your requirements are, BITZER has the experience, knowledge, expertise and engineered solutions for your next project.

BITZER's dedicated heat exchange business, BUFFALO TRIDENT, has a wealth of experience in designing both off-the-shelf and completely custom heat exchange solutions.

With BITZER and BUFFALO TRIDENT you can rely on the quality of our products and our worldwide spectrum of services as your guarantee.

# BITZER & BUFFALO TRIDENT: A COMPLETE SPECTRUM OF PRODUCTS & SERVICES



## A GLOBAL COMPANY WITH LOCAL SERVICE & SUPPORT

From pioneering compressor development in Germany in 1934, to showcasing an extended range of polished refrigeration and HVAC equipment today, BITZER has matured into a global innovation powerhouse, with extensive R&D work the driver behind its gold-standard compressor solutions.

The BITZER Group is the world's largest independent manufacturer of refrigeration compressors with sales companies and production sites for reciprocating, screw, and scroll compressors as well as pressure vessels all over the globe. In 2015, 3,400 employees generated a turnover of of €686 million.

BITZER Australia Pty Limited is the local subsidiary of BITZER K hlmaschinenbau GmbH with offices across Australia and in New Zealand.

## THE TRUSTED NAME IN HEAT EXCHANGE

In the early nineties, Melbourne-based heat exchange specialist BUFFALO TRIDENT was brought into the BITZER group of companies and the two organisations dovetailed their product design focus to supply the industry with a complementary range of compressor systems and heat exchange equipment.

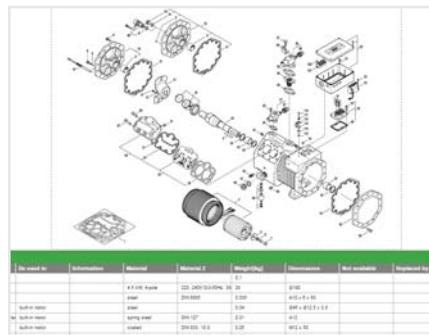
Today, BUFFALO TRIDENT holds its own as a highly professional Australian company with local engineering and assembly, offering high quality evaporators, condensers, custom made coils and other heat exchange equipment.

## AUSTRALIAN PEDIGREE

BITZER's history in Australia stretches back to the 1960's with a Sydney based BITZER distributor, W H Evans. The company sold its first screw compressor rack in 1987 and soon found a niche in custom designed and engineered compressor systems.

Two years later, the factory was bought by German company BITZER International, and BITZER Australia was born. The company expanded its manufacturing capabilities to include a range of refrigeration and HVAC equipment with BITZER compressors at the heart of each product. The ISO9001 accredited facility now produces a complete range of AVP (added value products) including condensing units, pressure vessels, natural refrigerant systems and transcritical systems, with an emphasis on environmentally friendly technology.

# TECHNICAL SUPPORT



## BITZER WEBSITE

The BITZER global website provides direct access to brochures, technical documents and new research and development information. The site also features regional home pages to keep our customers up to date with important local news and events.

All BITZER and BUFFALO TRIDENT products, from compressors to heat exchange to vessels to condensing units and more, can be found at [bitzer.com.au](http://bitzer.com.au).

## BITZER 'BEST' SOFTWARE & EP@RTS SOFTWARE

Fast, simple and accurate selection of BITZER products is possible with the BITZER software. It includes current and former models for both new selections and service requirements. In addition to performance data for individual operating conditions of all common refrigerants, the software enables access to performance tables, polynomial data and more.

BITZER also provides an interactive spare parts identification and selection tool to help make maintenance and servicing easy.

## LOCAL & GLOBAL TECHNICAL SUPPORT

BITZER's global R&D teams are at the forefront of refrigerant research. BITZER endeavours to provide customers with technical reports and documentation from the cutting edge of the ever-changing refrigerant landscape. BITZER's Refrigerant Report is produced regularly, and can be downloaded from the BITZER website along with a guide to the new EU F-Gas Regulations.

BITZER and BUFFALO TRIDENT's teams of sales engineers are based across Australia and New Zealand, and are always on hand to assist with product selection, ensuring you get the right solution for your unique application.



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## EVAPORATORS

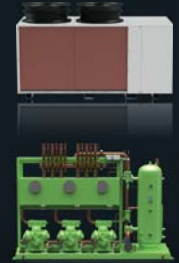
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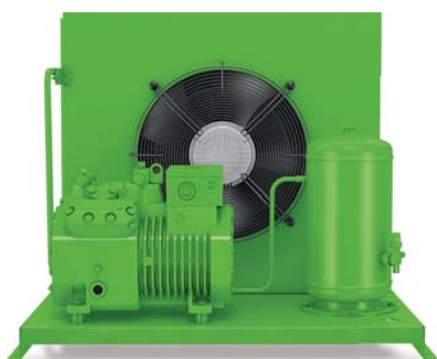
## NEAR LIMITLESS OPTIONS: OUR CONDENSING UNITS.



BITZER Australia provides a wide range of condensing units to suit all applications. Our condensing units can be accessorised with almost limitless options. Our units provide customers with the choice of indoor or outdoor applications, Premium, Standard or Economy versions, fully wired or not wired, additional valves and various vessel options which will meet every requirement.

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LH SERIES  
SINGLE CONDENSING UNIT

The implementation of the ErP directive in Europe introduces tougher requirements on condensing units from 2016 on. The new BITZER air cooled LHE units meet all these criteria with an optimised combination of fans and condenser. The LHE features a modular construction with single or tandem ECOLINE compressors.

Fans are ErP ready and equipped with EC motors as standard. Efficiency is increased up to 50% compared to common asynchronous motors. Fans are speed controllable and can be operated by any standard controller with 0-10V.

Optimised condenser design ensures optimal capacity and space requirements.

9.54 .. 32.48 m<sup>3</sup>/h at 50 Hz



EVOLUTION 1 - 6

Features BITZER ECOLINE compressors, optional CR11 capacity control or BITZER ECOLINE VARISPEED compressors in combination with outstanding Australian made Buffalo Trident heat exchange and world class fan technology to produce an extremely efficient unit.

The unit is available in two options; Premium and Economy. The Economy Unit is a cost effective basic air cooled condensing unit with several models available.

The Premium unit includes the BITZER ECOLINE VARISPEED Compressor for seamless capacity control and stable operation as well as unit controller to make the installation and operation easy.

4.06...84.6m<sup>3</sup>/h Standard Models



EVOLUTION 7 - 8

The Evolution 7-8 extends the capacity range of the Evolution condensing unit series. It maintains a similar design and features. The Evolution 7-8 now incorporates optionally the BITZER VARIPACK which is a built in inverter and compressor control package specifically matched to BITZER compressors. This provides capacity control between 25hz up to 70hz.

The Evolution 7-8 maintains high quality BUFFALO TRIDENT Heat exchange and world class fan technology. The fans are of EC technology providing constant and efficient head pressure control.

63.5...151.6m<sup>3</sup>/h Standard Models



LCS SERIES

Designed for the great outdoors: The BITZER LCS range of condensing units offers contractors and system owners a complete factory assembled unit, with flexibility for the larger systems. Designed and built ensuring optimal compatibility of all components and to provide durability, reliability and energy efficient performance in a compact system design.

Incorporating the latest in BITZER technology with the introduction of MEPS (Minimum Energy Performance Standards) for the highest possible operational reliability and efficiencies over a wide range of applications.

63.5...151.6m<sup>3</sup>/h Standard Models



ECOSTAR

The ECOSTAR unit has been specially developed for applications using varying cooling loads or when more than one evaporator is used. The cooling capacity can be perfectly be adapted to your requirements by a speed regulated compressor and fan. This allows constant temperature regulation with low cycling of the compressor and thus an energetically optimised operation.

Plug and play with integrated fully programmed controls, wiring and piping for easy installation on site.

Slim and attractive housing with vertical air flow suitable for indoor and outdoor installations.

Speed regulated fans produce low sound emissions.

8.1...99.2m<sup>3</sup>/h based on variable speed



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## REMOTE UNITS

The BITZER remote unit is a basic compressor set with all necessary compressor controls and valves. The compressor can be set up with many accessories as standard to suit many different applications.

Condensers and evaporators are also mounted remotely, providing the freedom to install equipment exactly where it is needed.

4.06...221m<sup>3</sup>/h Standard Models

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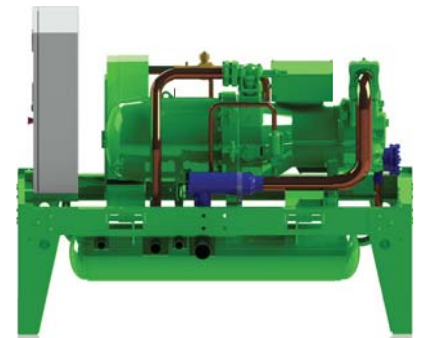
## WATER COOLED UNITS

An optimally coordinated range of water cooled condensing units with efficient and robust BITZER compressors and high efficiency shell and tube condensers

Features a very high cooling capacity, low energy costs and a compact design.

Suitable for a comprehensive range of applications and capacities - BITZER water cooled units have universal applicability with various refrigerants.

4.06...221m<sup>3</sup>/h Standard Models



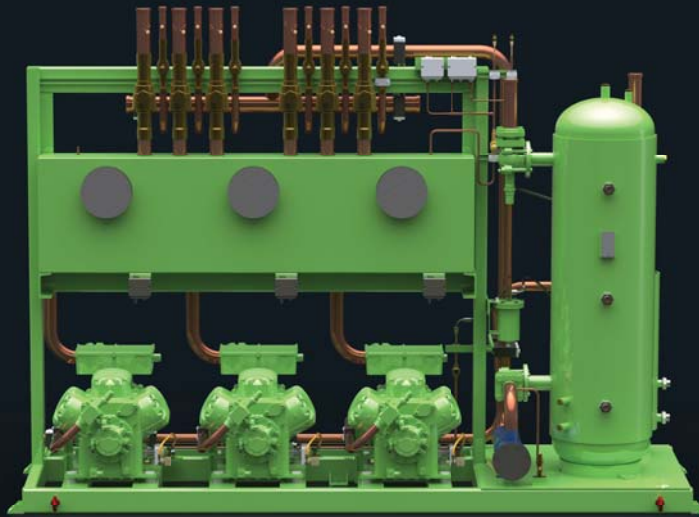
## COMMECH SEMI-HERMETIC SCREW PACKAGE

The BITZER ComMech Series screw compressor packages are designed to offer the best possible quality plant for commercial air conditioning and high temperature product storage.

The series offers the highest possible operational efficiency over a wide application range which is increasingly important with a continually growing awareness of system operating costs.

The heart of the package is the BITZER CSH compact screw compressor mounted on a rigid frame structure, raised to a suitable working height for easy service access. All pipe work and line components are individually engineered to match each compressor selection providing optimum system efficiency and performance.

FLEXIBLE, ENERGY EFFICIENT, & READY  
FOR INSTALLATION: **OUR PARALLEL  
RACKS.**



BITZER has built and designed multiple compressor packages for over 50 years, providing the industry with complete factory-assembled finished products ready for installation. This series of parallel compressor rack packages continues to provide flexibility, energy efficiency and durability. BITZER continues to produce racks from a standard platform and template to ensure consistency. System gas loss integrity has been enhanced through the use of pre-formed pipework and highly robust pipe fixings providing significant reduction in the use of mechanical joints.

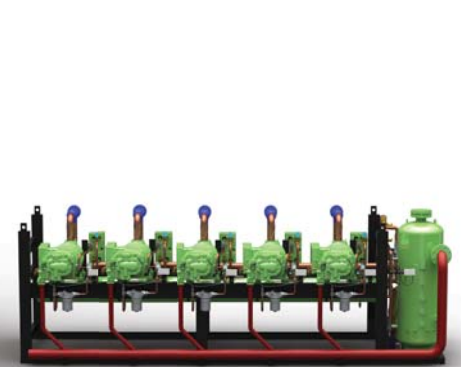
**IQ** INTELLIGENT  
COMPRESSORS

**IQ** INTELLIGENT  
COMPRESSORS

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## MINI RACK

The BITZER Mini Rack design is suitable for varying capacities utilising the BITZER ECOLINE OCTAGON compressor. The Mini Rack offers compressor combinations between two and four and mounts on a receiver base frame. Various compressor combinations can be selected to match the load.

The Mini Rack is perfectly suited for small supermarkets, pubs, clubs and various multiple small load evaporators.

The Mini Rack can optionally come fully pre-wired with all motor starter control circuits and pre configured rack controller.

## MAXI RACK

The BITZER Maxi Rack provides the largest range of capacity adaption allowing BITZER ECOLINE or ECOLINE VARISPEED compressors configured with multiples of two to five compressors installed in parallel configuration. Greater flexibility and dependability is assured through multiple smaller compressors rather than a single large compressor. The refrigeration plant can easily be designed to meet additional growth and subsequent increased heat load without oversize for current demand. Based upon customer specifications, service and ease of installation is a priority for the design of the Maxi Rack. This ensures that the contractor installing and servicing the rack is done safely. Logical positioning of components allows the most flexibility to service the rack. The Maxi Rack can optionally come fully pre-wired with all motor starter control circuits and pre configured rack controller.

## SCREW RACK

BITZER's parallel compressor systems offer high flexibility and large capacity range on a compact platform. The unit includes oil return system, suction header / accumulator, suction filters, oil filters and pressure controls as standard. This unit has many optional accessories available to suit the demands of most applications. The units are available in semi-hermetic and open drive configurations.

# PROVEN PERFORMANCE, PROVEN RELIABILITY: **NATURAL REFRIGERANT SYSTEMS.**



BITZER Australia has always been investing in engineered solutions, production and quality. We continually strive to develop environmentally friendly CO<sub>2</sub> systems and NH<sub>3</sub> systems to reduce the carbon footprint as natural refrigeration solutions. BITZER Australia cares for our environment and has made further major investments into CO<sub>2</sub> trans-critical technology with a range of purpose built trans-critical packages for both the refrigeration and HVAC sectors.

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## GEN 6 SERIES

The Gen 6 Low temperature R744 parallel compressor plant is the latest DX CO<sub>2</sub> cascade system being manufactured by BITZER. The Gen 6 is a cascade plant with CO<sub>2</sub> cascade BPHE's condensers / R134a evaporating. This plant is connected to a dedicated BITZER R134a medium temperature plant. The system has key features as standard to benefit the end user and enable the system to operate as efficiently as possible. In addition a hot water heat reclaimed brazed plate heat exchanger can also be fitted. Utilising this heat exchanger not only assists in removing pressure and temperature for the high side of the discharge of the CO<sub>2</sub> plant but also provides free hot water to your facility. The system is proven technology and is commonly being used throughout supermarket and commercial plants around Australia.

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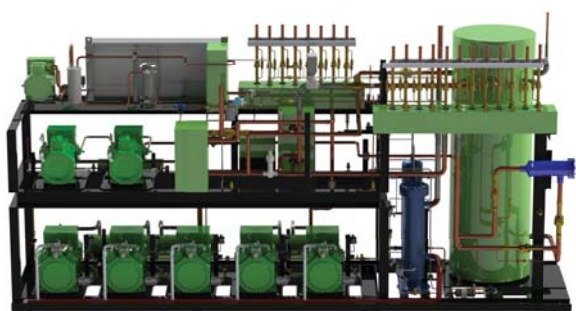


## GEN 7 SERIES CO<sub>2</sub> DX FLOODED SYSTEM

The Gen 7 R134a Flooded / R744 Rack System has been designed to reduce stress on brazed plate heat exchangers with a passive R134a fully flooded / R744 thermosiphon operation.

The R744 thermosiphons vapour from the top of the liquid receiver and condenses the vapour in the primary side of the BPHE returning liquid to the vessel. The R134a separation vessels floods the secondary side of the BPHE thermo siphoning back to the top of the separation vessel.

The new design reduces commissioning time and provides more stable operation under all conditions as the discharge gas is diffused into the liquid refrigerant within the liquid receiver via a BITZER designed and PATENTED sparge tube assembly.



### TRANSCRITICAL CO<sub>2</sub> SYSTEM

Environmentally friendly and dependable: This pioneering system is suitable for medium to large supermarkets, cold storage facilities and light industrial process.

Combined with BITZER's engineering excellence, dependable, reliable and robust OCTAGON compressors which enables BITZER Australia to produce purpose built trans-critical packages to further reduce carbon footprint.

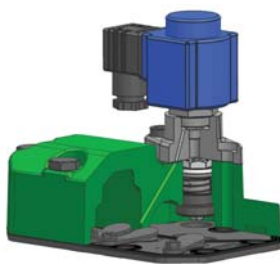


### COMBO RACK R134A-R744

The Modular Cascade solution provides the combination of low side R744 and R134a high side systems into the one compact unit. This provides contractors and end users a robust construction with compact dimensions. Utilising the new SL series R744 compressors for the low temperature cascade and optimised ECOLINE series for the R134a high stage and medium temperature application, this compact package delivers efficiency and energy savings with a reduced Global Warming Potential.



# THE BITZER DIFFERENCE



From April 2015 onwards, a QR code has been applied to all BITZER compressors worldwide

## INFINITE CAPACITY CONTROL WITH CRII

The CRII capacity regulation valve takes existing technology and transforms a standard single speed reciprocating compressor to “virtually stepless”. A new unloading approach offers the ability to regulate the compressor from 10% to 100% so, in applications where an inverter is not practical, this provides you with a new option to better regulate the operation of your system. The end result will be enormous reduction in compressor starts, particularly with single compressor systems.

Virtually stepless and retrofit-ready

## COMPRESSOR ELECTRONICS

Since the conception of semi-hermetic compressors, BITZER has always had the safe operation of the electric motor of interest for reliability and to ensure no contamination to the system. BITZER provides a series of motor protection devices which have very different capabilities, for example monitoring, motor heat, phase rotation, discharge temperature, short cycling, etc. Specific devices are fitted to each semi hermetic compressor. With this in mind BITZER Australia has for many years now been working very closely with CAREL to provide control options for our range of products for example; CSH Protection Module; pRack controllers, including CRII control approved by BITZER; Transcritical Control Development; plus many more.

BITZER technology can be paired with CAREL, Emerson, Danfoss, RDM, Allen Bradley & more

## PREVENTING PIRACY ON A GLOBAL SCALE

Product forgers are very resourceful. Even more compressors, spare parts and refrigerants are coming onto the market under the name of BITZER and, at first glance, it is hard to tell the difference between the original and the copy. However, BITZER quality cannot be copied. That is why we are defending our reputation as a leading manufacturer of refrigeration compressors, which we built up over 80 years. We have to protect our standards and our customers' safety. We register all types of industrial property rights worldwide: patents, utility models, registered designs, brands and copyrights. We monitor announcements of industrial property rights around the world. We raise objections, take legal action and issue warnings about industrial property rights. We take action at trade fairs against product pirates.

Contact BITZER for more information

## LARGE SCALE COOLING SOLUTIONS: BITZER'S PUMPING STATIONS.



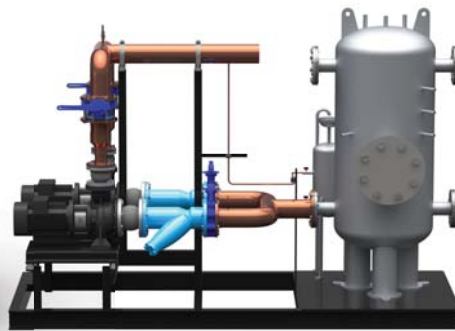
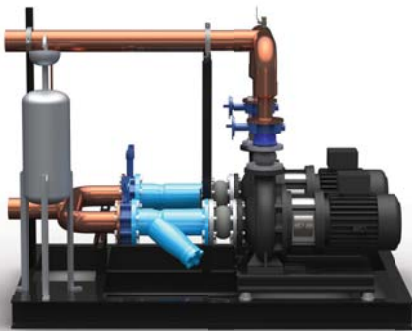
BITZER Australia can engineer, design and manufacture equipment for chilled water and glycol applications to suit a number of contractor and on-site requirements. From simple pumping skids with or without a tank for new or retrofit applications, through to a full chilled water/glycol pumping station with heat exchange. As a further extension to the range these can be modified to suit individual customer requirements and can be built into a compressor rack package complete with electrical and controls.



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## PUMPING SKID

A simple design that incorporating pumps and pipework. Electrical and control can be added on request.

## PUMPING SKID WITH TANK

An extension to the basic pump skid incorporating the tank pre-piped on the package. Electrical and control can be added on request.

## CUSTOM PUMPING STATIONS

The complete package designed and manufactured by BITZER is the custom pumping stations complete with brazed plate heat exchanger, pumps, electrical and control. This design can be engineered for both chilled water and glycol applications.

# MAKING AN IMPRESSION IN QUALITY AND PERFORMANCE: **OUR PRESSURE VESSELS.**



As the market leader in refrigeration, heat exchange and air conditioning, we have guaranteed the outstanding quality and reliability of our pressure vessels for half a century. Whether it is a stationary or mobile application, and whether it is condensers, liquid receivers, oil separators or oil coolers, each individual product is manufactured in BITZER's production facilities and then tested. Our pressure vessels comply with Australian Standard AS-1210 and are ISO certified.

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## CENTRIFUGAL OIL SEPARATORS

Superior and quieter: Improved oil separation, very low pressure drops and greatly reduced vibration levels due to the patented centrifugal oil separation cartridge fitted within the top half of the vessel. The lower section contains the oil reservoir with high and low level sight glasses and oil service valve.

The centrifugal separators are ideally suited for multiple compressor parallel systems, compressors using capacity control or systems with wide variations in required capacity.

All vessels are manufactured to Australian Standard AS-1210

## SUCTION ACCUMULATORS

Improved performance: We have developed our suction accumulator with large internal volume to ensure gas/liquid separation and large liquid holding capacity. They are also available with steel liquid line heat exchanger coil for increased vaporisation of liquid.

The suction accumulator have a positive oil return system via "U" tube (up to SXE 218). The accumulators are ideally suitable for multiple compressor parallel systems, compressors using capacity control or systems with wide variations in required capacity.

All vessels are manufactured to Australian Standard AS-1210.

## LIQUID RECEIVERS

Flexible and versatile: BITZER refrigerant receivers are designed to accommodate a wide range of applications. Our standard range includes both vertical and horizontal designs.

The valve connections and liquid pick-up tubes have been specifically re-designed to suit HFC refrigerants as standard and have multiple positions for liquid level alarm connection.

For specific system designs, special receiver vessels can be manufactured on request.

All vessels are manufactured to Australian Standard AS-1210.

 **Buffalo Trident**

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BY BITZER GROUP

## INNOVATION & EFFICIENCY AT ITS BEST: OUR EVAPORATORS.



The constant push for smaller, cheaper, quieter and better performing equipment is at the forefront of design. To achieve these goals, BUFFALO TRIDENT employs a host of research and testing strategies to achieve a delicate balance between performance, size and noise levels. Our innovative technologies and modern design means our evaporators set the standards in engineering excellence, flexibility and reliability. Here, gains come from using smaller tube designs, in combination with high efficiency EC fans and economic superheat control solutions. Our evaporators are available in a multitude of configurations and are therefore suitable for a wide range of customer specifications.



PS SERIES  
LOW PROFILE EVAPORATORS

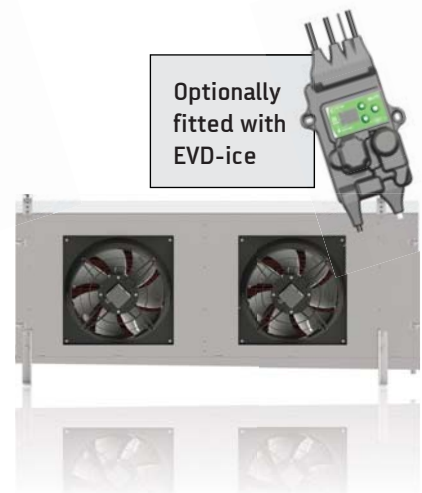
Flexible and energy efficient: The PS Series low profile evaporators are an innovative and modern design to meet the changing requirements of our progressive customers. Ideally suited for walk-in medium temperature cool rooms and low temperature display freezer rooms where the crisp white finish complements the quality installation on display. The PS-EC-M optioned evaporator incorporates modern design together with "EC" fan technology suited to medium temperature applications.



ON BOARD SUPERHEAT  
CONTROL

Also, this low & medium temperature evaporator is now available factory fitted with EVD-ice superheat control, providing the contractor with a plug and play package. Factory fitting the EEV driver, Ultracap and pre-wiring to all components including fans removes on site costs for parts & labour.

Commissioning costs are reduced with the factory programmed control (adjustment can be made on site), and the proven accuracy and performance of the EVD-ice provides a reduction in pull down time for room temperature and product, resulting in energy savings for the end user.



BBM/L SERIES  
HEAVY DUTY EVAPORATORS

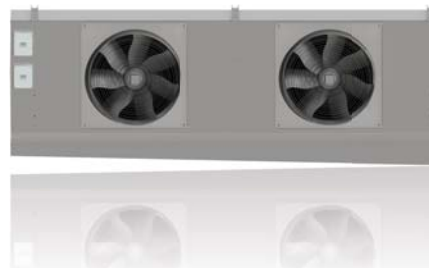
Designed for heavy duty conditions: The BBM/L series of heavy duty evaporators incorporates innovative technologies with BUFFALO TRIDENT's proven coil geometry design.

Suitable for medium and low temperature applications, the BBM/L series' wide capacity range offers easy model selection.

Plus, the BBM/L Series is now available fitted with EVD-ice onboard superheat control.



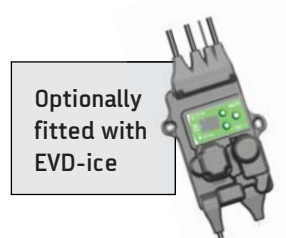
CASCA-TECH SERIES  
CO<sub>2</sub> EVAPORATORS



PC SERIES INDUCED DRAUGHT  
EVAPORATORS



CYCLONE SERIES  
HEAVY DUTY EVAPORATORS



Optionally  
fitted with  
EVD-ice

State of the art technology: As part of the total solution, BUFFALO TRIDENT has developed a complete range of direct expansion evaporators suitable for use in a CO<sub>2</sub> cascade applications. The evaporators are designed for low temperature freezer applications ranging from -20° C SST to -40° C SST.

Each evaporator coil has been re-designed to provide the optimum heat exchange efficiency, taking full advantage of the benefits provided by CO<sub>2</sub>.

Our CASCA-TECH CO<sub>2</sub> BRLC range is ideally suited for small commercial applications, while the large BBLC series is available specifically for heavy duty freezer and blast freezer applications.

The PC Product Cooler evaporator is designed specifically for quick pull down of fruit and vegetable rooms. The large coil to air flow difference allows the ability to maintain humidity during the pull down procedure. The series has high air flow for quick product pull down with assisted electric defrost for sub zero temperature room.

Cyclone Series evaporators are designed for high air flow heavy duty applications for both medium and low temperatures.

The crisp powder coated finish compliments the installation storage space and also provides additional corrosion protection for food grade applications.

Plus, the Cyclone Series is now available fitted with EVD-ice onboard superheat control.

Available with both 630mm and 800mm AC fan motors.

EFFICIENT, RELIABLE & SUITABLE FOR  
ANY APPLICATION: **OUR CONDENSERS.**



BUFFALO TRIDENT's quality heat exchange equipment consists of high quality material combined with precise engineering. We have a wide range of condensers with horizontal or vertical airflow, modular variations with clever header design, and compact space-saving products to reduce roof loading. With this much versatility and flexibility, BUFFALO TRIDENT is sure to have a solution for your project.





RC-C SERIES  
AIR COOLED CONDENSER

Standing the test of time: The RC Series condenser is the smallest of the BUFFALO TRIDENT range and has stood the test of time for over 20 years. The 500mm fan series range of the RC product range has now been extended to include market leading efficiency through the use of 'EC' fan technology. With innovative design and technology, the RC condenser has over 20 different models with three different fan configurations, ensuring there will be a model to suit your specific requirements.

The RC condenser can also be produced with receiver and other components fitted for special projects.

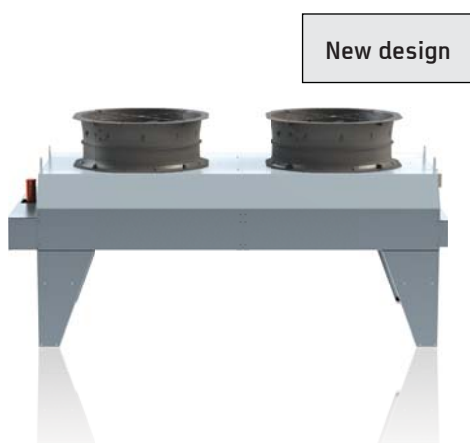
The RC condenser continues to demonstrate market leading performance, reliability and durability within the refrigeration and HVAC industry.



FMC SERIES  
AIR COOLED CONDENSER

The FMC Series is a modular condenser design enabling the perfect fit for your unique project.

The solid marine grade aluminium alloy casing provides proven life endurance in the harsh Australian climate. It is available as modules or assembled for convenient on site installation and handling. This is the perfect product for transporting in containers for export.



### BDC SERIES LARGE AIR COOLED CONDENSER

This large modular condenser sets the performance benchmark, with high kW performance combined with quiet operation. The BDC's dynamic design incorporates 40 plus years of engineering excellence optimised to withstand harsh Australian conditions.

With its cutting edge durable design and industry first technology, the BDC places itself at the top of the market achieving increased energy efficiency EER, lower operational costs and lower sound levels, making it perfect for supermarket and commercial applications.

The BDC is available as a single module with 2 to 5 fans, right through to a dual module with 6 to 10 fans, depending on your unique requirements.



### HALF VB SERIES AIR COOLED CONDENSER

The Half VB is the latest development to the VB condenser range. As stated by the name, the Half VB is exactly half the size and dimensions of the original VB Series.

The Half VB provides some key installation points for those tight installations. The Half VB can be mounted hard against a wall as the airflow path goes through the front and out the top. Therefore the Half VB is perfect to fit down alley ways or between buildings and fences.

When the condenser is mounted on the ground it makes servicing the product easier.

Consider the Half VB during your next retrofit program if compact design and efficient capacity is required.

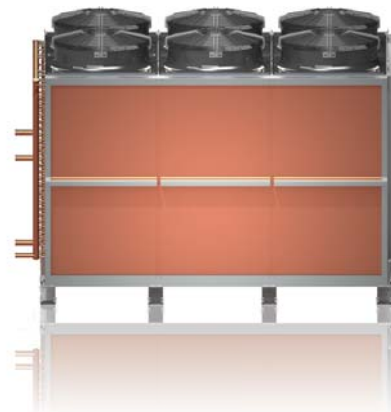


VB SERIES  
AIR COOLED CONDENSER

Space saving and compact: The VB Series air cooled condenser combines innovation with a practical design developed by BUFFALO TRIDENT.

The space saving compact design of the VB series minimises the required condenser deck footprint, this offers key savings in construction of condenser platforms. The lightweight and durable aluminium housing further reduces the roof loading compared to alternative technologies.

The compact size of the VB series addresses the common demand for increased condenser capacity in retrofit retail modernisation projects.



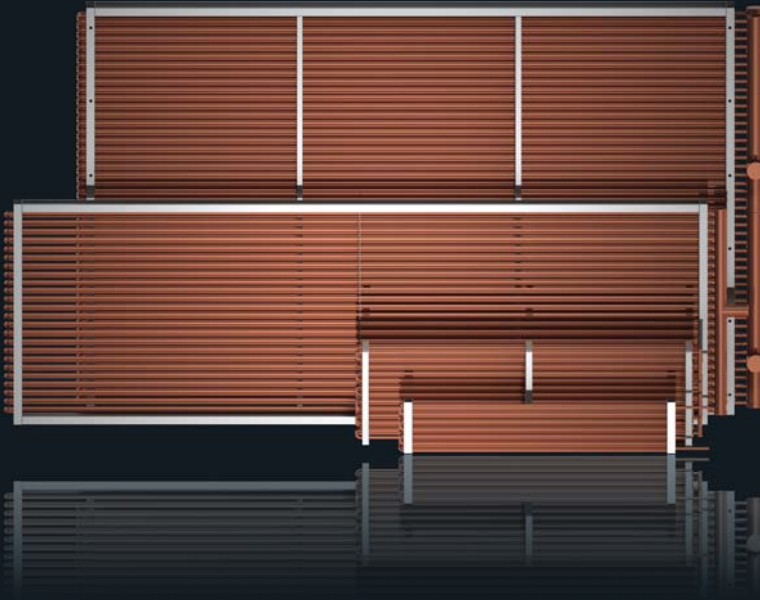
VBHB // VB SERIES WITH  
HYDROBOOST OPTION

The VB series can be supplied with a Hydroboost option, featuring easily removable pad cells for both dry and wet modes of operation.

With up to 760kW Capacity and different fan combinations available, the VB Series with Hydroboost can be tailored to your requirements.

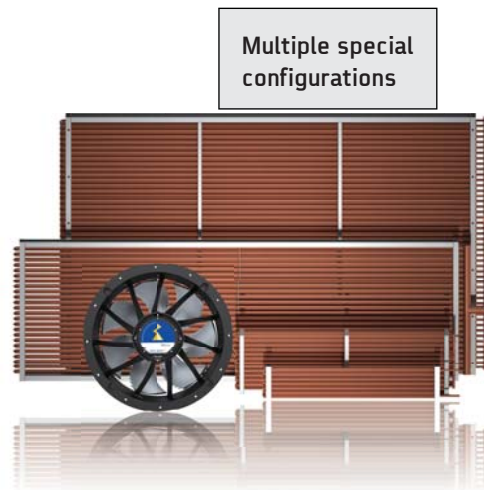
The programming of flush cycles and constant water bleed avoids the regulation requirements of cooling tower standards. A full controller can be supplied.

EXPERTLY DESIGNED TO YOUR  
SPECIFICATIONS:  
**OUR CUSTOM MADE PRODUCTS.**



BUFFALO TRIDENT designs a wide range of customised coils. These products are suitable for evaporator or condenser application in refrigeration and air-conditioning systems, fluid / glycol coolers, heat recovery and coolant radiators for heavy machinery. These designs can be applied with various refrigerants (including R134a, R410A, R22, R404A, R744) as well as secondary fluids such as glycol.

BUFFALO TRIDENT coil design is supported by a highly qualified team of design engineers and draftspersons who can assist in the design of a suitable heat exchanger to suit most applications. Coils can be manufactured in copper from 3/8", O.D up to 5/8" O.D up to lengths of 6 metres fin length. With a choice of fin materials, frame end and centre plate materials, coatings and finishes, you can ensure the coil is perfectly suited to your unique application.



## CUSTOM AND SPECIAL PURPOSE PRODUCTS

Our engineers can custom design coils to suit your application. This may be an adaption of a current evaporator to run as a glycol cooler or a condenser now circuited as a closed loop water cooler. Coils can be designed to meet special applications for example within the transport industry where compactness and lightweight design are key design features. In addition to our standard Evaporator range we can offer Blast Air Coolers known as our KK Series, low velocity forced draught air conditioning coils known as our LB range, or our slim line SMC Series range. We can also offer adiabatic cooling systems which can be fitted to our condensers to improve their efficiency in low humidity climates or add fan control systems to operate as a standalone unit. With world class fan manufacturers at our side the specific fan to suit your needs can also be supplied to provide you the exact solution for your needs.

Whatever your needs are provide us your specific requirements and we will provide you a solution.

## Notes

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## Notes

A large grid of small dots for taking notes, consisting of 20 columns and 30 rows of dots.

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Note: The ISO standard only applies to the BITZER NSW and VIC branches