



**2017 ACTROL  
CATALOGUE  
COMING SOON**



INTRODUCING THE  
**Tecumseh AJ<sup>2</sup>  
Compressor**

**Welcome to The Gauge.  
Actrol’s industry update  
bringing you the latest news  
and products in HVAC-R.  
Enjoy!**

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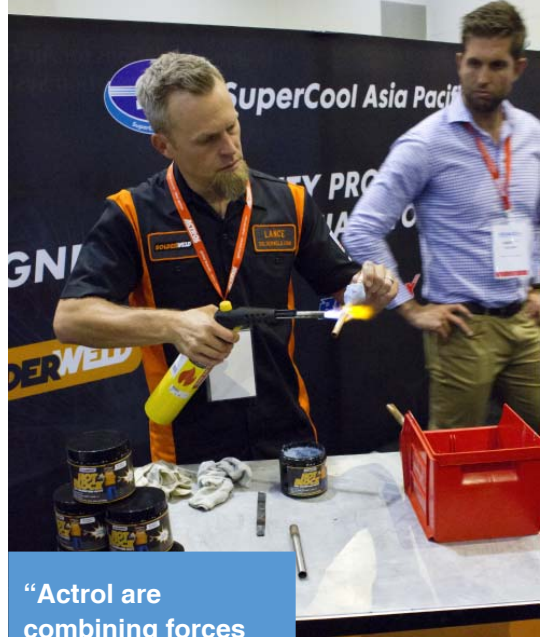
# RACE is coming to Sydney!

**We're excited to announce the biggest independent refrigeration and air conditioning expo is coming to Sydney this June!**

Actrol are combining forces with Reece HVAC-R and Metalflex to bring you a bigger and better show.

Our last show attracted hundreds of attendees, with 60 exhibits, game-changing products and industry-focused seminars. With recent hot additions (soon to be announced!), we're confident Sydney RACE will be a monster show.

Keep your calendar free this June – you don't want to miss out.



“Actrol are combining forces with Reece HVAC-R and Metalflex to bring you a bigger and better show than ever!”



# Tecumseh AJ<sup>2</sup> Compressor

AJ gets an upgrade!



**Tecumseh has announced the arrival of the AJ<sup>2</sup> Compressor. This compressor displays many new advantages, including the patented electrical connection, TE-Connect.**

The TE-Connect is pre-wired at the factory and incorporates a moulded plug that slides onto the electrical pins of the compressor.

Included on the TE-Connect is a circlip on the earth connection, ensuring a good quality earth every time. Any field wiring errors will virtually be eliminated with the TE-Connect.

Tecumseh offers flammable refrigerant ready models within the AJ<sup>2</sup> range. Redesign of the suction and discharge mufflers, along with the compressor housing, has lowered the overall sound.


## AJ<sup>2</sup> – Fast Facts

- Compatible pipe positions within millimeters of the existing CAJ/TAJ series.
- Pipe diameters are identical.
- Electrical components remain the same and are included with the TE-Connect.
- AJ<sup>2</sup> condensing units have an improved pipe design and a standard HP/LP safety switch.
- Voltage code – FZ for single phase and TZ for three phase.
- Reduced height and noise allows for better field servicing and installation.

Over the coming months, the AJ<sup>2</sup> compressor will replace existing CAJ/TAJ compressors and condensing units.



## Key Features and Benefits

<b>Safe and Easy Electrical Connection</b> <p>Patented moulded plug virtually eliminates wiring errors, reduces installation time, and improves enclosure rating.</p>		<b>Compactness</b> <p>Redesigned housing lowers height for most of the range. Maximum housing height for models available with new refrigerants will be 268mm.</p>
<b>Performance</b> <p>Re-designed valve plate and refrigerant gas handling result in improved compressor efficiency on flammable refrigerant models.</p>		<b>Versatile</b> <p>A variety of suction and discharge connection diameters and types (valve or tube) are offered to facilitate easy installation and serviceability.</p>
<b>Low Noise</b> <p>Redesigned housing and suction/discharge muffler system lowers the overall sound level.</p>		<b>Proven Reliability</b> <p>Over 20 million AJ compressors currently in operation in normal to severe duty applications.</p>





# Kaden Evaporative Coolers

**Combining innovative features with intelligent design, Kaden's Evaporative Cooler range provides precise temperature control of the home environment. Engineered specifically for Australia's long, harsh summers, Kaden delivers enduring performance matched with whisper quiet operation. Made to last, every Kaden Evaporative Cooler comes with a full five year warranty plus the option of extending for a further two years.**

The Kaden Low Profile evaporative cooler has a stylish, sleek design that sits contoured on the roof. The low profile model uses advanced technologies to ensure quality and reliability, delivering volumes of cool air throughout the home without the large profile of traditional evaporative coolers.

The Kaden Classic evaporative cooler has been developed for large airflow requirements. Its stylish design is ideal for both new installations and replacement of older style coolers.



**kaden°**

## REFRIGERATION

Conex | Bänninger

>B< MaxiPro

# Introducing the coolest press fitting ever.



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Secure, permanent leak-proof joint

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Temperature range -40°C to 121°C

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Maximum operating pressure 4800 kPa

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# ICE for the right industry

**To guarantee your customer receives the most efficient and effective ice machine for their business, ensure you consider their industry and which ice type suits best. A detailed ice production calculator is available online at [www.comcater.com.au/brema](http://www.comcater.com.au/brema)**

## **Large, Rounded Cubes: CB Series, C Series, Dispensers**

Brema's flagship CB and C ranges offer under bench or free-standing self-contained machines. This also includes modular heads to be installed above storage bins.

The dispenser series offers ice or water dispensing machines for free-standing or benchtop installation. Compact, cold and crystalline, the 13g cube is attractive and enhances the appearance of any drink.

## **Pebbles: TB Series**

In between a cube and a flake, the TB Pebbles ice offers true flexibility. The small ice particles can be added to liquids for immediate cooling or easily blended for cocktails, smoothies and frappes. Perfect for bars and cafes.

## **High Production Fast Cubes: VB Series, VM Series, BIN Series**

When demand for ice is high and you need it quickly, the 7g fast cube is for you. Quick to produce, the 7g cube is suitable for any business with peak ice demands. Perfect for restaurants, pubs, clubs, hotels, and fast food outlets.

## **Granular Ice Flakes: GB Series, G Series, G Split Series**

In addition to ice cube machines, Brema also specialises in ice flake production. This range is excellent for presentation of meat, fish, fruit and vegetables. The ice moulds to the product seamlessly, keeping the product cool and fresh. Perfect for restaurants, fish shops and supermarkets.

## **Flat, Sub-zero flakes: Muster Series, M Split Series**

These ice flakes are between -5°C and -10°C, so they are extremely slow to melt - making them perfect for packaging and transportation of produce. Perfect for fish shops, food transporters and primary producers.

## **WHY CHOOSE BREMA?**

### **Standard Features**

- Electromechanical - no PC boards
- Italian design and manufacturing
- Easy to use, clean and maintain
- Tailored solutions for any space and volume specifications
- 24 hours a day, 7 days a week service support hotline
- Two years parts and labour warranty







	13g Ice Cube	7g Fast Ice	Pebbles Ice	Granuar Flakes	Cold Flakes
<b>Ideal for</b>	<ul style="list-style-type: none"> <li>• Soft drinks</li> <li>• Mixed alcoholic beverages</li> <li>• Spirits</li> <li>• Blended drinks</li> </ul>	<ul style="list-style-type: none"> <li>• Soft drinks</li> <li>• Fast food drinks</li> <li>• Mixed alcoholic beverages</li> <li>• Blended drinks</li> </ul>	<ul style="list-style-type: none"> <li>• Soft drinks</li> <li>• Cocktails</li> <li>• Presentation of foods</li> <li>• Patient care</li> </ul>	<ul style="list-style-type: none"> <li>• Presentation of foods</li> <li>• Fish, meat, vegetables &amp; fruit displays</li> <li>• Transport of produce</li> <li>• Medical applications</li> </ul>	<ul style="list-style-type: none"> <li>• Presentation of foods</li> <li>• Fish, meat, vegetables &amp; fruit displays</li> <li>• Transport of produce</li> <li>• Moulds around any product</li> </ul>
<b>Hotels</b>	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
<b>Restaurants</b>	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
<b>Fast Foods</b>	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
<b>Bars</b>	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
<b>Clubs</b>	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
<b>Fish Markets</b>	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
<b>Supermarkets</b>	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
<b>Medical</b>	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●
<b>Transport/Storage</b>	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●

● ● ●	Highly recommended
● ● ●	Recommended
● ● ●	Recommended for certain applications
● ● ●	Not recommended

## View your account balance

## Locate your nearest store

Available to download for iOS

**More features coming soon!**



# New Pressure Temperature Chart Available in-store now.

When you're under pressure, don't let your work fall flat.

**Pick up a copy today.**

# ACTROL™

ACTROL Temperature Pressure Data for Common Refrigerants										Page 1 of 1
Refrigerant	Temperature (°F)	Pressure (PSI)	Temperature (°C)	Pressure (PSI)	Refrigerant	Temperature (°F)	Pressure (PSI)	Temperature (°C)	Pressure (PSI)	
R-12	-10	1.5	-23	1.5	R-134a	-10	1.5	-23	1.5	
	0	2.5	-18	2.5		0	2.5	-18	2.5	
	10	3.5	-13	3.5		10	3.5	-13	3.5	
	20	4.5	-7	4.5		20	4.5	-7	4.5	
	30	5.5	-1	5.5		30	5.5	-1	5.5	
	40	6.5	4	6.5		40	6.5	4	6.5	
	50	7.5	9	7.5		50	7.5	9	7.5	
	60	8.5	15	8.5		60	8.5	15	8.5	
	70	9.5	21	9.5		70	9.5	21	9.5	
	80	10.5	27	10.5		80	10.5	27	10.5	
R-22	-10	1.5	-23	1.5	R-404A	-10	1.5	-23	1.5	
	0	2.5	-18	2.5		0	2.5	-18	2.5	
	10	3.5	-13	3.5		10	3.5	-13	3.5	
	20	4.5	-7	4.5		20	4.5	-7	4.5	
	30	5.5	-1	5.5		30	5.5	-1	5.5	
	40	6.5	4	6.5		40	6.5	4	6.5	
	50	7.5	9	7.5		50	7.5	9	7.5	
	60	8.5	15	8.5		60	8.5	15	8.5	
	70	9.5	21	9.5		70	9.5	21	9.5	
	80	10.5	27	10.5		80	10.5	27	10.5	
R-410A	-10	1.5	-23	1.5	R-507	-10	1.5	-23	1.5	
	0	2.5	-18	2.5		0	2.5	-18	2.5	
	10	3.5	-13	3.5		10	3.5	-13	3.5	
	20	4.5	-7	4.5		20	4.5	-7	4.5	
	30	5.5	-1	5.5		30	5.5	-1	5.5	
	40	6.5	4	6.5		40	6.5	4	6.5	
	50	7.5	9	7.5		50	7.5	9	7.5	
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	60	8.5	15	8.5		60	8.5	15	8.5	
	70	9.5	21	9.5		70	9.5	21	9.5	
	80	10.5	27	10.5		80	10.5	27	10.5	

Use these pressures for superheat calculations and bubble pressure for sub-cooling calculations.

Refrigerant color code: R-12 is yellow, R-22 is green, R-410A is blue, R-404A is red, and R-507 is black. Use the correct color code for each refrigerant.

Refrigerant	Temperature (°F)	Pressure (PSI)	Temperature (°C)	Pressure (PSI)	Refrigerant	Temperature (°F)	Pressure (PSI)	Temperature (°C)	Pressure (PSI)
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	30	5.5	-1	5.5		30	5.5	-1	5.5
	40	6.5	4	6.5		40	6.5	4	6.5
	50	7.5	9	7.5		50	7.5	9	7.5
	60	8.5	15	8.5		60	8.5	15	8.5
	70	9.5	21	9.5		70	9.5	21	9.5
	80	10.5	27	10.5		80	10.5	27	10.5
R-22	-10	1.5	-23	1.5	R-404A	-10	1.5	-23	1.5
	0	2.5	-18	2.5		0	2.5	-18	2.5
	10	3.5	-13	3.5		10	3.5	-13	3.5
	20	4.5	-7	4.5		20	4.5	-7	4.5
	30	5.5	-1	5.5		30	5.5	-1	5.5
	40	6.5	4	6.5		40	6.5	4	6.5
	50	7.5	9	7.5		50	7.5	9	7.5
	60	8.5	15	8.5		60	8.5	15	8.5
	70	9.5	21	9.5		70	9.5	21	9.5
	80	10.5	27	10.5		80	10.5	27	10.5
R-410A	-10	1.5	-23	1.5	R-507	-10	1.5	-23	1.5
	0	2.5	-18	2.5		0	2.5	-18	2.5
	10	3.5	-13	3.5		10	3.5	-13	3.5
	20	4.5	-7	4.5		20	4.5	-7	4.5
	30	5.5	-1	5.5		30	5.5	-1	5.5
	40	6.5	4	6.5		40	6.5	4	6.5
	50	7.5	9	7.5		50	7.5	9	7.5
	60	8.5	15	8.5		60	8.5	15	8.5
	70	9.5	21	9.5		70	9.5	21	9.5
	80	10.5	27	10.5		80	10.5	27	10.5
R-410A	-10	1.5	-23	1.5	R-507	-10	1.5	-23	1.5
	0	2.5	-18	2.5		0	2.5	-18	2.5
	10	3.5	-13	3.5		10	3.5	-13	3.5
	20	4.5	-7	4.5		20	4.5	-7	4.5
	30	5.5	-1	5.5		30	5.5	-1	5.5
	40	6.5	4	6.5		40	6.5	4	6.5
	50	7.5	9	7.5		50	7.5	9	7.5
	60	8.5	15	8.5		60	8.5	15	8.5
	70	9.5	21	9.5		70	9.5	21	9.5
	80	10.5	27	10.5		80	10.5	27	10.5

PRODUCT CODE: 2702196

# TOOLS WITH BITE

— GRAB ONE TODAY —



**BIGDOG**  
HEAVY DUTY  
CAULKING GUN  
4902336



**BIGDOG**  
FOLDING LOCK BACK  
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9502675



**BIGDOG**  
8M MAGNETIC  
TAPE MEASURE  
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ADJUSTABLE  
WIDE JAW  
WRENCH 150MM

**BIGDOG**  
HAND SAW  
350MM  
9505894



**BIGDOG**  
TELESCOPIC INSPECTION  
MIRROR  
7900039



# Cabero Heat Exchangers

Engineered in Germany to suit your needs.

**Ebm-papst and Ziehl Abegg fans are used to tailor the airflow, energy usage and noise output to best match site limitations. Cabero offer tubes manufactured in copper and stainless steel covering HFC's, CO2 and ammonia.**

## Robust Industrial Design Elements

Commercial evaporator ranges utilise 12mm smooth bore copper with thick walls, to maximise the life of the copper and blue-fin protective fin coating. This maximises the fin efficiency throughout the life of the coil. The return bends are pre-formed using thicker walled copper, then soldered at both ends of the coil to ensure the outside of the return bend is as thick as the tube itself.

The commercial ranges also employ an inline (parallel) tube pattern, often used in industrial coils to reduce the dehumidification affect. The 35mm x 35mm tube centres are larger than those used in staggered designs, so the tubes are further apart.

In operation, the average surface temperature of the coil is higher with the inline tube pattern and so with each air pass, less humidity is removed.

Increased surface temperature provides higher operating room humidity, resulting in less product weight loss. For products such as fish, meat, fruit, and vegetables, sold by the weight, this is particularly important. Air side pressure drop is also reduced, which minimises air side losses and fan power input.

## Easy Installation

Models with 500mm fans are designed for rooms with 3m or greater ceiling heights, and packaged on a steel pallet with a plywood cover, making the installation quick and easy. The plywood cover lifts off and exposes the evaporator bolted to the steel pallet. From this point it is easily fork lifted to the ceiling where the coil can be permanently fixed into position, before being unbolted from the pallet. Safely the pallet can then be returned to the floor.

All fans and electric heaters are wired back to junction boxes and access points, with terminals provided for Carel or other electronic defrost optimisation.

## Easy Maintenance

The end panels are attached with stainless steel screws via mouse hole cut outs so they can be removed and hung to one side on the same fixing screws. This allows for easy access to the mechanical and electrical components.

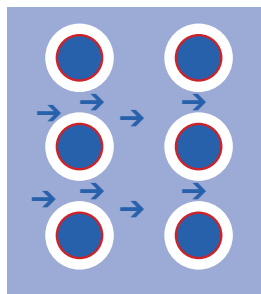
The internally powder coated drip tray can be quickly hinged open for cleaning.

Cabero CH evaporators are designed for walk-in rooms and are offered with 300, 350 and 500mm fans. All models are available with air or electric defrost and some water defrost 500mm fan models are also available.

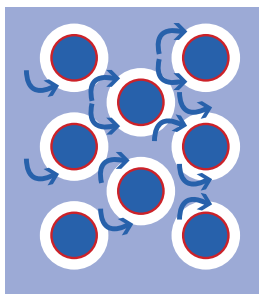
A wide range of Cabero evaporators are stocked throughout Australia to provide fast delivery to your premises or work site.

Parallel

Staggered



Cabero



Others

**The Cabero difference: innovative tube design compared to others.**



1



2



3



4

1 Cabero DH Series

2 Cabero-LPC-Series

3 Cabero CH Series Single Fan

4 Cabero CH Series 2 Fan

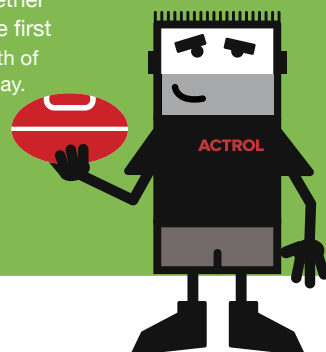






# JOIN THE CLUB

The footy's back and so is your opportunity to be part of the 2017 Reece Footy Tipping Competition. Whether you take it one week at a time or go in hard from the first bounce, you'll be in the running for over \$5,000 worth of prizes. So drop into your local branch and sign up today.



**ACTROL**

[www.actrol.com.au/tipping](http://www.actrol.com.au/tipping)

Disclaimer – This competition is open to Reece Group Trade Account customers, staff and their immediate families only.  
ACT TP 16/0239, LTPS/16/10352

Download our Tipping App today



# Our Expanding Network

Recently located to bigger and better sites:

---

## Cairns

Lot 9, Hartley Street,  
Portsmith QLD 4870a



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## Dubbo

Tenancy 1, 30 Cobbora Road,  
Dubbo NSW 2830



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## Blackburn now Actrol Vermont

Unit 7, 170-180 Rooks Road,  
Vermont 3133



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## MOVING SOON

**Riverwood** is moving to **Padstow**

Units 1 & 2, 6 Nelson Street,  
Padstow NSW 2211w

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**January 2017 - Issue 05**

 [facebook.com/actrolparts](https://facebook.com/actrolparts)

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