

THE GAUGE

Latest industry news and product information

ACTROL
™

Issue 01



See inside for

**SUPER
SPECIALS**

**Welcome to Actrol’s new
style industry update
- The Gauge. We will regularly
bring you all the latest news
and product information around
HVAC-R. Enjoy.**

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Tecumseh HTA EVO Twin Fan



Tecumseh HTA EVO Single Fan Condensing Unit

Tecumseh EVO Condensing Units

Designed for Actrol, the Tecumseh EVO condensing unit range is an evolution of the proven HTA range. Tecumseh's EVO condensing units include all the great features of the HTA range plus they're fully fitted making them quicker and easier to install.

Tecumseh EVO hermetic series is available from ½ to 6 ½ horsepower in a combination of medium and low temperature models for use with R134a and R404A refrigerants. The EVO hermetic range includes a fully fitted liquid line with a filter drier, moisture indicator and copper tail for easy connection.

Oil separators are fitted to all EVO hermetic units and suction accumulators to the low temperature models. The compressor and fan/s wiring is terminated in an IP rated electrical enclosure that contains the compressor contactor and control circuit terminals for easy connection. A printed wiring diagram is located inside the enclosure cover.

All Tecumseh EVO condensing units are well protected with compressor thermal overloads. Tecumseh EVO hermetic condensing units offer a more cost effective option for both new and replacement projects.

Actrol, the home of



R22 update

As of 2016, Australia has largely phased out the import and manufacture of hydrochlorofluorocarbons (HCFCs) - four years ahead of the schedule required under the Montreal Protocol.

R22 refrigerant is by far the major HCFC used. The volume of HCFC able to be imported in 2016 is less than 4% of that we could import in 2010.

But don't panic.

Apart from the large stocks of virgin R22 in the country as well as some reworked recovered R22, there are a number of alternative refrigerants available to replace R22 in existing systems. Actrol currently have two dedicated replacement refrigerants for R22: R427A and R438A. They differ in a number of ways:



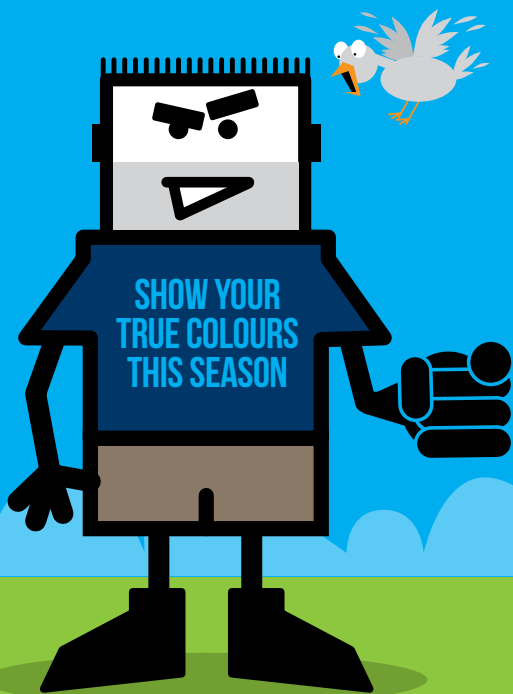
	R427A	R438A
Components	R-32/125/143a/134a	R-32/125/134a/600/601a
Flammability	A1 (non flammable)	A1 (non flammable)
Toxicity	A1 (non toxic)	A1 (non toxic)
GWP	1828	1890
System capacity		
Oil change	A single oil change to achieve a recommended 85% POE by volume	Manufacturer claims most applications do not require an oil change
Critical Temperature	86.8°C	85.3°C

Whilst R427A requires a single oil change, the critical temperature is higher and the system capacity is higher. When the critical temperature of a refrigerant is approached, the efficiency of the system is severely compromised. System capacity is also crucial to achieve COP. Both replacement refrigerants are unlikely to quite achieve the efficiency of the original R22 but the higher the value of the system capacity, the less the system is compromised.

Furthermore, should the oil not return when using R438A an oil change to POE is needed or else the life of the compressor could be compromised and/or other issues may develop.

For the sake of a simple oil change Actrol recommends R427A as the premium alternative due to its superior attributes resulting in better performance.

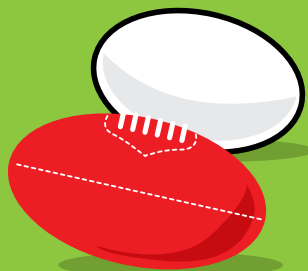
FOOTY TIPPING COMP 2016



The footy's back and so is your opportunity to be part of the 2016 Actrol Footy Tipping Competition. Whether you take it one week at a time or go in hard from the first whistle, you'll be in the running to win great cash prizes at your local branch. Plus, you'll go in the draw for the national competition with \$5,000 worth of prizes up for grabs. So drop into your local branch and sign up today.

HOW TO ENTER

- 1 Visit your local Actrol home branch and let a staff member know you want to sign up. Registration fee \$25.
- 2 You will be given a unique code. Simply go to actrol.com.au and click on the banner to the tipping site and follow the instructions.
- 3 Login and start tipping!



NATIONAL COMPETITION PRIZES

First Prize

Milwaukee Power Tools Pack \$1,250

Hisense K390PAD 55" Vision Full HD Smart LED-LCD TV

Xbox One Console

Apple iPad mini 2 16GB Wi-Fi (Silver)

Milwaukee Foosball Table

Second Prize

Milwaukee Power Tools Pack \$500

Zero-X Raven Drone with Controller

Samsung Galaxy S5

Third Prize

Milwaukee Power Tools Pack \$250

Samsung Galaxy S5

Register at your local branch. For more info talk to your branch manager.



Temperzone is now at Actrol

As part of the Reece Group, Actrol now has access to the Temperzone product range and we're happy to be able to offer a range of their quality products to our customers.

The range also extends to include chilled water units, concealed packaged units, and the entire Hitachi A/C product as well.

Temperzone is the largest Australasian manufacturer of air conditioning equipment with manufacturing plants in Sydney and Auckland. Temperzone is the leading commercial air-conditioning manufacturer for the Australian and New Zealand markets and also exports into Singapore, Malaysia, Vietnam and China.



Their two key product ranges include:

**Ducted Packaged Rooftop A/C units
range from 10.6kW to a 193kW**

**Ducted Split Packaged A/C units
from 5.5kW to 95kW**



Milwaukee

BACK TO WORK SALE

COMING SOON
15TH FEB TO 15TH APR



Brema Ice Makers

Brema's flagship CB range offers self-contained ice machines for bench top, under bench or free-standing installation. These machines produce attractive, crystalline cubes weighing 13g which rapidly chill and enhance the appearance of any beverage.

**SUPER
SPECIAL**

All three units are free-standing ice cube machines that produce 28/46/90kg of ice per 24 hours and has storage capacity of 9/25/55kg.

The CB range of self-contained ice cube machines is the perfect fit for cafes, restaurants, hotels, bars and nightclubs.

CB249A

2704162

\$1597*

CB425A

2704165

\$1998*

CB955A

2704168

\$2976*



Pricing valid 1/2/2016 to 30/4/2016 *All prices exclude GST
Accounts holders only | Photo for illustration purposes only





Perfect for
a cool nights
sleep.

**SUPER
SPECIAL**



**Mitsubishi 1.7kW MHI
wall hung split (1621087)**

\$598 ex GST

Pricing valid to 30/4/2016 | Accounts holders only
Photo for illustration purposes only



**MITSUBISHI
HEAVY INDUSTRIES, LTD.**

News and Services

See you at ARBS

ARBS is Australia's only trade show for the refrigeration and air conditioning industry (and building services). All the major suppliers/manufacturers/wholesalers are represented at the show which draws a crowd of about 7000 over 3 days. It is held every two years and usually swaps between Melbourne and Sydney. This next show is in Melbourne 17-19 May 2016. Actrol will continue with its large presence and this time be joined by a number of other major Reece suppliers.

More info at: <http://www.arbs.com.au/>



Engineering Services

One of the great advantages of choosing Actrol is that we have more than 20 specialist Sales and Applications Engineers who can assist with the design of refrigeration and air conditioning systems. And they're available to help you solve any technical issue. We have experts right across our branch network who can give you personalised face-to-face service. Plus, they're always contactable by email or phone.

New branches

To deliver our customers an even better level of service, Actrol recently moved three of our branches to much larger premises. The most obvious benefit for you is enormous stock capability along with easy vehicle access and more modern facilities. Throughout 2016, we'll continue to upgrade a number of our other key branches through relocation. So no matter where you are, you'll have greater access to the products and advice you need.



Unit 2, 4 Nucera Court, Green Fields, SA



Newcastle's new branch
Unit 2/10 Denney Street, Broadmeadow, NSW



104 Barwon Terrace, South Geelong, VIC

Sporlan Flow Control Valves now available

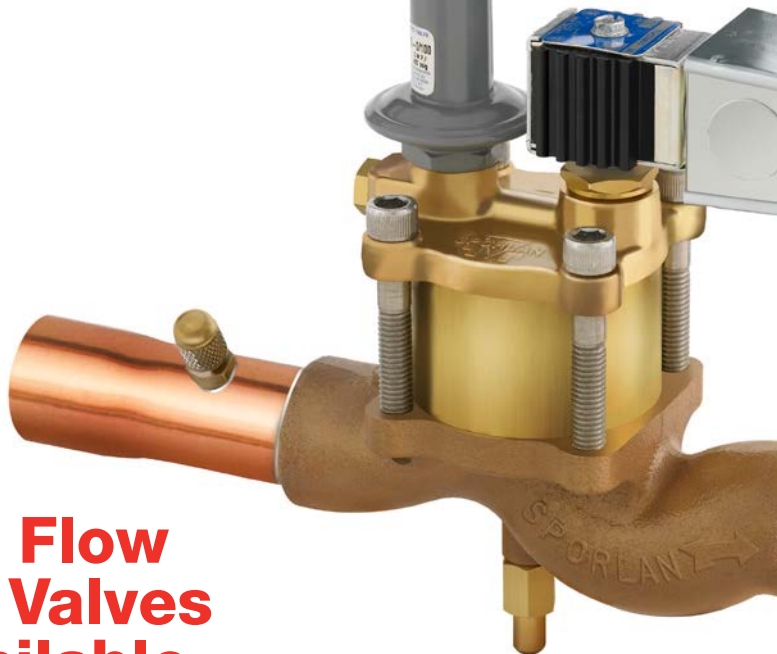
A range of Sporlan TX valves, evaporator pressure regulators and 3 way heat reclaim valves are now stocked at Actrol. Complimenting an already impressive array of stocked valves from Emerson (Alco) and Danfoss, the addition of Sporlan ensures Actrol covers the widest of applications.

Sporlan TX valve series have been selected to cover a wide range of refrigeration capacities in both R134a and R404A. The stocked ranges feature balanced port designs to enable reliable superheat control over varying ambient temperatures. The ranges include SBFJE, SBFSE, OJE, OSE and EBSSE models.

The stocked Sporlan evaporator pressure regulator ranges include both mechanical and electronic models. The ranges include ORIT 6, 10, 12 and SORIT 12, 15 and 20 and CDS electronic models.

The 3 way heat reclaim valves are used to provide heating from the otherwise wasted heat rejected at the condenser. The stocked range includes valves to cover a wide array of refrigeration capacities.

Actrol Engineers can offer assistance when selecting or applying these valves to refrigeration and air conditioning systems.

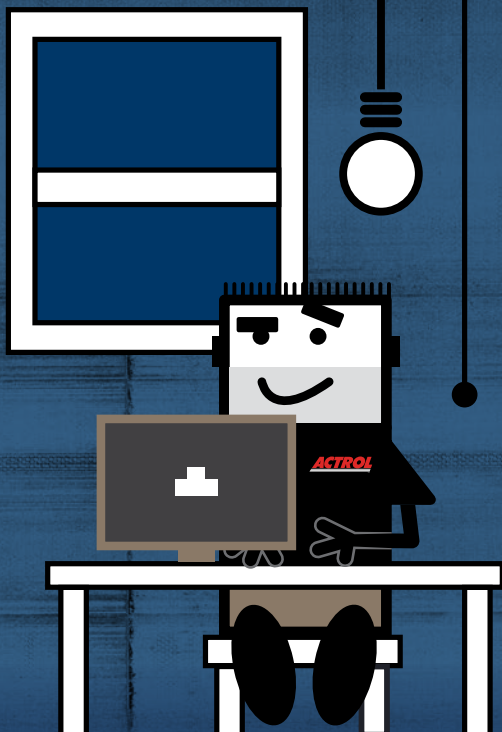


MY ACCOUNT

WORKS FOR YOU 24/7

Discover a better way to do business

Developed exclusively for Actrol account customers, this innovative management system gives you access to product pricing, allows you to build product lists, manage your account, generate customer quotes, order online, cylinder tracking and ARC reporting using FlexiTrak.



**Products
and pricing
at your
fingertips**

**Cylinder
tracking and
refrigerant
usage**

**Create and
view your
quotes
online**

**Simple
secure
payment
system**

**Find out more at Actrol.com.au
or talk to your local Branch staff**

February 2016 - Issue 01



facebook.com/actrolparts

Valid to 1/2/16 - 30/4/16 or while stocks last. Account holders only.
Photos for illustration purposes only. *Pricing excludes GST.



actrol.com.au