

# Automatic Control Co. Pty Ltd Newsletter

Q1 - 2007



## Acutherm™ – Green Solution

Acutherm VAV Thermo-Fuser™ Systems are able to provide a Green Solution for Australian Buildings to meet ABGR and Green Star Ratings.

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Acutherm have prepared a Sustainable Design Presentation which demonstrates how the Acutherm Thermo-Fuser, Thermally Powered VAV Diffuser, can be designed into modern designs and contribute to achieving a minimum of a 4 Star Green Star Rating through benefits of Reduction in Energy, Ventilation Effectiveness and Individual Comfort Control.

By using the optional Digital Set Point Adjuster-D, there may even be an additional Green Star available through the Individual Comfort Control Point.

Other areas which contribute are listed within the LEED Credit Green Product Directory which is available on request.

The Sustainable Design Presentation has been presented to numerous Building Services Consulting Engineers throughout Brisbane, Sydney and Melbourne. The Perth area will be visited during the month of July 2007.

If you are interested in the presentation, please contact [dfores@automaticcontrol.com.au](mailto:dfores@automaticcontrol.com.au)

*Acutherm VAV Thermo-Fuser provides Green Solution for ABGR & Green Star Rating*



**It's not ~~easy~~ being green.**

Chameleons adapt to their environments by changing their colors. But your clients aren't chameleons. So you need to design and specify the system that will adapt their environments to them.

Since 1978, Acutherm Thermo-Fuser™ VAV diffusers have provided thermally powered, individual-temperature, building-environment solutions. Over 1.5 million Thermo-Fuser VAV diffusers are installed worldwide. That means there are many thousands of comfortable, adaptive, sustainable office and building environments. And it means you can provide your clients the same simple, reliable, energy-efficient and affordable solution for personal comfort. Consider the many advantages of Thermo-Fuser VAV diffusers:

- Individual temperature adjustment for each occupant
- Low initial cost
- Lower operating cost
- Maintenance-free operation
- Thermally powered – no electrical hookup\*
- Superior air distribution – no dumping or stratification
- Esthetically pleasing, environmentally sound
- Help meet design criteria for Green Building status
- Wide range of square and linear designs
- Equally effective for heating and cooling
- Off-the-shelf availability (in most cases)
- Industry's best warranty protection
- Full range of associated products
- More than a quarter-of-a-century of proven, reliable performance

\*Wiring required on electrically powered products.

To learn the full story about Acutherm Thermo-Fuser VAV diffusers, call or email us, today. We'll provide you with all the product and specification information you need. Information that guarantees your clients will be saving lots of green, instead of feeling blue or seeing red.



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*Swegon – Highest Product  
Quality for the Best Air Quality  
Flexible & Maintenance Free*

## New Product – Chilled Beams

With the trend towards chilled water systems, Automatic Control Co. Pty Ltd is now representing Swegon in Australia. Swegon are a leading Swedish manufacture of Passive, Active & Modular Chilled Beams.

Within their vast range of Chilled Beam they have Exposed and Recessed Passive and Active with Module Design (Adjustable 4-Way) Active Units to suit certain applications.

They also have a suspended active beam suitable for cooling and heating which incorporate lighting and is supplied as a complete unit direct from their factory and has a Plug 'n Play installation.

Swegon's Chilled Beam systems offer high cooling and heating capacities without draught and noise.

## DuctSox - Fabric Air Dispersion Systems

DuctSox Systems are an attractive and cost effective replacement for conventional metal ductwork. They are constructed of fabric and shaped as cylindrical tubes, similar to spiral metal ductwork. DuctSox are used to distribute and diffuse heated, cooled, refrigerated and make-up air.

Superior Air Dispersion - In open ceiling architecture, traditional metal duct systems discharge air through side mounted metal diffusers usually spaced 10 to 15 feet apart. The air is directed to specific zones resulting in less efficient mixing of air in the occupied space and often causing drafting and hot or cold spots.

DuctSox have supplied systems throughout Australia and are been used by Mechanical Consultants on various projects.

A full product presentation including demonstration kit is available. Should you be interested, please contact Dion Froes on 0413 051 590 or email [dfroes@automaticcontrol.com.au](mailto:dfroes@automaticcontrol.com.au)

***The ideal solution to exposed duct applications***



**DUCTSOX®**  
Fabric Air Dispersion Products

## Recently Launched Inverter Phase Check

An electronic indicator to aid fault-finding on inverter air conditioners

Simply disconnect supply connections from the compressor & connect the IPCM.

When the inverter is switched on the six lights on the module should light up red, yellow & blue.

If the inverter printed circuit board (PCB) is faulty, one or more of these lights will not switch on, and this indicates the position of the fault.



## ORION Shopping Centre, Springfield

In the heart of Springfield Central, lies ORION, one of Australia's largest Shopping Centre.

Recently opened, ORION Shopping Centre, is a major retail and leisure development that will help meet the needs of the growing population in the south-western corridor of South East Queensland, in the triangle between Brisbane, Ipswich and the Gold Coast.

Stage 1, representing approximately 110 retailers opened mid March with a MADP of a further 140,000 sqm of retail space opening over stages for a period of up to 10 years.

Automatic Control Co. Pty Ltd provided approximately 300 ST-HC Therma-Fusers which are located within various specialty stores along the perimeter of the shopping centre.

The Therma-Fuser solution was chosen by the Mechanical Consultant as they wanted a system that offered a cost effective, Individual Zone Control which contributed to a reduction in Energy.

ORION Shopping Centre is rated as a GREEN Building.



## Corporate Centre, Bundall

The current owners purchased the building December 2005 and immediately decided that the building needed to undergo a major upgrade to the HVAC system.

They upgraded the Chillers, Cooling Towers, installed New Coils (Increased Capacity), replaced Chilled Water Vales, installed a Front-End to the BMS and replaced all outdated Therma-Fusers with the latest ST-HC Therma-Fuser. They also then recalibrated the control, sensors and re-commissioned the entire building.

Over 700 units were supplied over a 12 month period which enabled floor by floor to be refurbished with minimal interruption to existing tenants. Most of the on floor work was carried out after hours.

The decision to replace all existing Therma-Fusers was based on financial reasons. To return all units back to factory settings and repair damaged units due to previous poor maintenance was an expensive option. It was commercially and aesthetically a better option to replace all units and enjoy a new manufactures 10 year warranty on the new units.

Once all retrofit works had been completed, the facilities manager has confirm that they have reduced Energy Savings by at least 15%, fewer tenant complaints and hence a big reduction in maintenance callouts.

## Employee News

Scott Muir has joined the Automatic Control Co team as the new State Manager of NSW & ACT. Automatic Control Co Pty Ltd has been operating for 35 years and specialises in air distribution, energy efficient solutions. Scott's appointment in this newly created position demonstrates the company's push to expand its New South Wales and Canberra Operation.

Muir comes to Automatic Control Company with a wealth of experience after a decade of working with DirectFlo Air Distribution and Holyoake Air Management in Air Distribution. Scott can be contacted on 0413 208 566 or email [smuir@automaticcontrol.com.au](mailto:smuir@automaticcontrol.com.au)



Scott Muir