

Newsletter

Q4 2008

Sydney International Airport T1 Departures Redevelopment

Automatic Control Company has been involved in the supply of over 1,500 TF-HC & Linear TL Therma-Fusers™ in the Sydney International Airport T1 Departures Redevelopment. The TF-HC offers full modulation in both heating and cooling modes.

The project will result in the consolidation of immigration and security areas, the delivery of more efficient passenger flows, and improved passenger facilities such as seating and waiting areas.

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Automatic Control Company supplied specialty 'colour-matched' matt black Therma-fusers (as pictured below) to blend in with the ceiling, which was designed by Woodhead Architects. We also designed and supplied special mounting frames to suit their specific ceiling requirements for the designer Connell Wagner.

The reconfiguration of the departures level will provide 7,300 square metres of extra space for passengers, whose numbers are expected to double by 2023-24. In addition, there will be a redevelopment of 30,000 square metres of the existing departures level and the centralisation of the security screening area and outbound border control.



The upgrade will include facilities that offer world-class food and beverage outlets and service, with enhanced shopping facilities also being integrated into the floor plan, plus a new outbound baggage handling system and early checked baggage storage system.



Blackwater International Coal Centre

The Blackwater International Coal Centre (BICC) was built in the township of Blackwater, which is located 836km from Brisbane and 190km west of Rockhampton, on the Capricorn Highway.

The concept of the BICC was to provide a sophisticated and enduring platform for the showcasing of the mighty Australian Coal Industry and the associated industries that underpin the state and federal economies.

The Centre provides high quality amenities for the local community and delivers significant employment and economic benefits. Incorporating an educational and community centre, exhibition space, a theatre cinema and café, it is expected the Blackwater International Coal Centre will become a social and cultural hub for the people of the town and surrounding area.

When deciding on the ventilation system for the centre DuxSox, a leading manufacturer of fabric air dispersion products, proved to be the best choice. The sox were selected to supply air to the Interpretive Centre, Auditorium, Main Reception and Spine Areas.



The original consultant and the mechanical contractor selected a fabric option rather than the traditional steel spiral mainly due to the site location and the reduced transport costs, hence reducing potential carbon emissions. The fabric also offered a light weight solution, as it weights far less than traditional metal, as well as easy installation and reduced labour costs.

The fabric selected was the Sedon-XM, a premium HVAC duct fabric. The streamlined Sedona-XM eliminates the need for unsightly metal duct/ register systems in new and retrofit applications with open architecture ceilings. Sedona does not collect dust/ dirt on top fo the system since a small percent of the airflow is designed to permeate through the fabric's factory-designed porosity. The balance of the airflow is distributed through linea diffusers incorporated in the fabric resulting in an even and draft-less air-flow, improving customer and employee comfort. Sedona, which is listed as a "green product" by buildinggreen.com, is 90 percent lighter than conventional metal alternatives.

Available in red, white, blue, green, grey, black or custom colours, Sedona has many aesthetic features such as finished seams, a zippered inlet collar, and DuctSox's new DuctBuckle fastener.

The Sedona-XM fabric was suspended by the 3x1 Hanger Suspension System™, the HVAC industry's only hanger system for fabric ductwork in open architecture ceilings that simulates an aesthetic inflated appearance even when heating/ cooling air handlers are idle.



Differential Pressure Gauges & Manometers

Automatic Control Co. represents Sailors Instruments Ltd throughout Australia. Sailors are Chinese manufactures of quality but **low cost** pressure, differential pressure, flow, level, and temperature instruments.

A2 Differential Pressure Gauges

Applications:

The series A2 DP gages are designed to measure positive, negative, or differential pressure of low air and non-corrosive gases with a full span accuracy of 2% at a competitive price. They are widely used for filter condition checks, HVAC control, and the measurement of fan and blower pressures, air velocity, and pressure drop across orifice plates applications, as well as other applications in the pharmaceutical and semiconductor manufacturing industry.

Features:

- Magnet-helix indicating mechanism ideal for low DP measurement
- A wide selection of ranges from 0Pa to 60Pa at up to 2.5KPa
- Accuracy 2% of FS
- Inertia-free, drift-free pointer indication
- Identical mounting dimensions to Model 2000 from Dwyer
- OEM solutions available
- Air Filter Kit Available (A2-301)



Model No.	Range	Model No.	Range
A2-60Pa**	0-60	A2/Z-250Pa	125-0-125Pa
A2-100Pa*	0-100	A2/Z-500Pa	250-0-250Pa
A2-125Pa*	0-125	A2/Z-1KPa	0.5-0-0.5kPa
A2-250Pa	0-250	A2/Z-3KPa	1.5-0-1.5kPa
A2-300Pa	0-300	A2-1 kPa	0-1kPa
A2-500Pa	0-500	A2-1.5 kPa	0-1.5kPa
A2-750Pa	0-750	A2-3kPa	0-3kPa

A1 Inclined-vertical Tube Manometer

Features:

- Inclined-vertical shaped tube with low-volatile indicating red fluid.
- Capable of measuring higher ranges with fine details at lower ranges.
- Capable of measuring positive, negative, and differential pressure of air or gas.
- Comes with 2 mounting screws, 2 tubing connectors, 8-foot-long flexible plastic tubing, and a bottle of red fluid.
- Inexpensive and common in conventional applications.

Specifications:

- Accuracy: $\pm 3\%$ FS
- Maximum Working Temperature: 130°F (54°C)
- Maximum Working Pressure: 15psi (150 KPa)



Season's Greetings from Automatic Control Co.

All of us at Automatic Control Company Pty Ltd appreciate your support during the past year and extend to you the Season's Greeting.



Movember



The Movember
"Auto-Mo" Team

Some of the staff from Automatic Control Company participated in Movember, an annual event that raises awareness around men's health issues and funds for carefully selected beneficiary partners that are also charitable organisations, with a focus on prostate cancer and depression in men.

Together, team "Auto-Mo" raised \$700 for this worthwhile cause. Since its inception as a formal charity in 2004 Movember has raised over \$30 million globally, significantly increased awareness of prostate cancer and depression in the community, and is continuously working to change the attitude men have about their health.

Employee News

Brendan Blyth has joined Automatic Control as a Sales Representative for the South/ South East Brisbane and Gold Coast Areas, operating out of our Brisbane Head Office. Brendan has joined us from the UK where he has been involved in Building Services HVAC Engineering for the past 16 years. He has worked in air distribution for a major European Fan and AHU manufacturer as a Technical Manager, Business Development Manager and Area Sales Manager. He brings a wealth of experience with him, which will stand him in good stead in our Australian marketplace.



Brendan Blyth