



ROTARY HEAT EXCHANGERS PTY LTD

Rotary Heat Exchangers Pty Ltd established in 1968 is the only Australian company manufacturing and distributing Rotary Heat Exchangers or Heat Wheels. We have three Australian Energy Awards.

Heat Wheels are used extensively in Commercial buildings especially Hospitals and Aquatic Centres. They provide major cost savings by recovering as much as 90% of building exhaust air energy to pre-condition incoming fresh air. This substantially reduces air conditioning and heating energy usage as well as reducing green house gas emissions.

THERE IS A 10 YEAR WARRANTY ON THE MYLAR MATRIX OF THE ROTOR.

By using a narrow and thin plastic Mylar Matrix, we can achieve a **high thermal efficiency** and **low airflow pressure resistance** coupled with **negligible carryover**. Worldwide, this has not been achieved by any other Heat Wheel manufacturer.

Total Heat Wheel

We also manufacture silica gel coated Mylar Wheels (Total, Hygroscopic, or Enthalpy).



Mylar Rotary Heat exchangers have rotors 100mm wide and range in diameter from 600mm to 2,750mm for air flow up to 15,000 l/s

The performance was tested in a joint venture between Monash University Melbourne, Victoria and Australia's leading research organisation, Commonwealth Scientific Industrial Research Organisation (CSIRO)



Mylar Heat Wheel Fresh Air Unit
at Eltham College Pool

ROTARY HEAT EXCHANGERS PTY LTD
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PH: (61 3) 9729 3559 FAX: (61 3) 9729 7208
www.rotaryheatexchangers.com OR www.ecopower.com.au

Technical Data/Applications

TYPICAL PERFORMANCE DATA

Rotor Diam. (mm)	Width (mm)	Air Flow (l/s)	Efficiency	Press. Drop (Pa)
2750	100	15,000	71%	320
2750	100	10,000	80%	210
2540	100	8,000	80%	205
2540	100	6,000	85%	152
1270	100	2,000	79%	217
1000	100	1,000	80%	205

Full Details can be found on our Website
www.rotaryheatexchangers.com

Commercial Application

The Mylar is extremely corrosion resistant which gives it its long life qualities and is particularly suited to Aquatic and Seaside environments.

Mylar Heat Wheels have been installed in aquatic centres, hospitals, commercial buildings, schools and clubs around Australia, giving excellent performance for 3 decades.

Industrial Applications

We also manufacture Industrial heat wheels handling up to 300°C gasses for heat recovery from, for example, the exhausts of dryers and ovens.



Nunawading, Melbourne Aquatic Centre
uses Mylar Heat Wheels



A close up view of the Mylar Matrix
of the Rotor



Managing Director Mr Bill Ellul
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Rotary Heat Exchangers Pty Ltd Project Sites include

- 35 Aquatic Centres & Pools in Melbourne
- Parliament House Pool, Canberra
- National Sports Centre, Canberra
- Crown Casino, Melbourne
- Federation Square, Melbourne
- 28 Major Australian Hospitals
- 20 Australian School & University Swimming Pools
- 10 food refrigeration dryers
- 2 Industrial Paper labelling dryers
- 1 Paper manufacturing plant

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