HEAT EXCHANGE MEDIA

Sensible Heat Exchange Media

Enthalpy Heat Exchange Media

Rotary Heat Exchangers

Armcor Air Solutions has developed various specialist heat exchange media to create the ultimate energy recovery ventilation system for your project.

Sensible Heat Exchange Media

Sensible Heat Exchange Media is used for energy recovery where there must be an absolute separation of the air in applications such as: bathroom/toilet exhaust, indoor swimming pool enclosures which require the introduction of fresh air to reduce the indoor humidity levels.

Polypropylene sensible media has excellent properties that withstand condensation and corrosive air, e.g. chlorine.

The correct heat exchange media must be specific to the application to enable the correct outcome.

Enthalpy Heat Exchange Media

Enthalpy Heat Exchanger Media allow both sensible and latent heat energy to be recovered.

This design features a specially constructed capillary surface that traps moisture.

This ensures that a proportion of the humidity in the air leaving a ventilated room is trapped and transferred back into the room with the supply air allowing the room humidity level to be maintained.

Rotary Heat Exchangers

A Rotary Heat Wheel is a rotating wheel which picks up the energy as it rotates through the exhaust air stream, and transfers this energy as it rotates through the incoming air stream. This continuous process is recognised as the most efficient process to recover energy.

Rotary Heat Wheels can utilise either sensible media or enthalpy media. The selection should be carefully matched to the project requirement. The rotational speed can be modulated to give the greatest efficiency for differing types of media. Specialist engineering assistance is required when designing and selecting Rotary Heat Exchangers.