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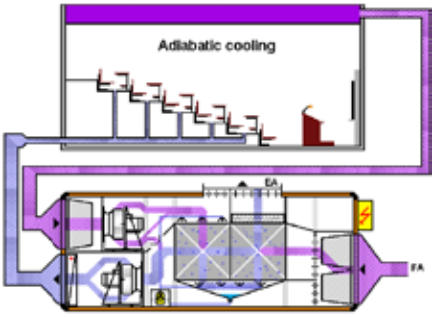
Air conditioning with indirect adiabatic cooling

A CIBSE recognised CPD seminar



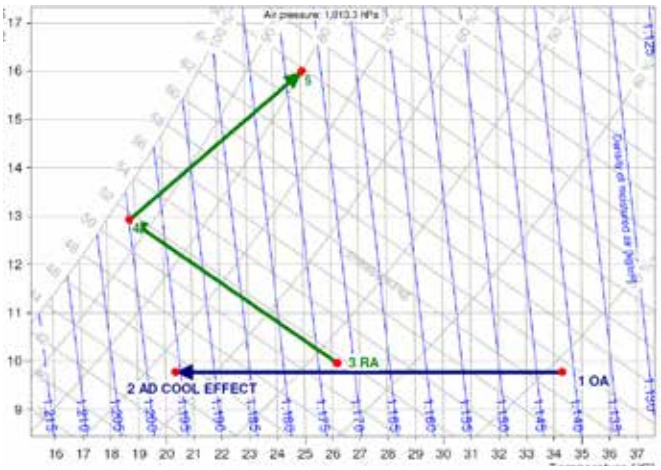
A technical seminar suitable for mechanical and electrical services engineers investigating alternative methods of air conditioning that can reduce or eliminate the use of refrigeration based cooling.

Course Speaker : Kirsty Aldridge

Course summary :

1-11/2 hour seminar illustrated by colour computer demonstration and psychrometric chart programs including the following topics:

- Principles of adiabatic (evaporative) cooling.
- History of use of adiabatic cooling in HVAC design.
- Comparison of direct and indirect adiabatic cooling systems.
- Analysis of performance under UK conditions.
- Indirect adiabatic cooling as a natural partner to complement active thermal storage.
- Indirect adiabatic cooling and geothermal applications.
- Minimising specifc fan power
- Comparison of EER and SEER with conventional air conditioning techniques



CIBSE CPD

For more information or to book a seminar please contact:
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Swimming pool units

ThermoCond® Type 19 and 23 with multi-stage heat recovery for private, hotel, therapy, small public swimming pool halls and small leisure pools. The Menerga unit automatically chooses the most economic mode of operation.

ThermoCond® Type 29 with heat-pump for private, hotel, therapy, small public swimming pool halls and small leisure pools. The Menerga unit automatically chooses the most economic mode of operation. With optional pool and fresh water heating.

ThermoCond® Type 35 with asymmetric heat exchanger for larger public swimming pool halls and indoor water parks. Ideal for existing pools where plant room space or access is limited.

ThermoCond® Type 38 with counterflow heat exchanger for larger public swimming pool halls and indoor water parks. Class leading heat recovery efficiency and durability in the aquatic environment delivers the lowest possible life cycle costs.

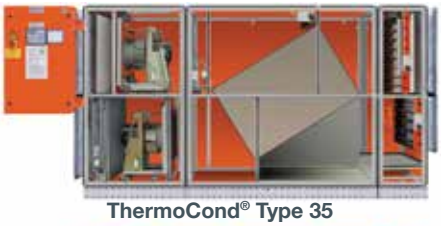
Trisolair® - Wet Change with exceptional heat recovery through the 3-stage recuperator, where the exhaust and outside air are separated. The unit monitors return air conditions to automatically adjust the airflow.

Adconair® - Wet Change for larger wet change areas. The counterflow heat exchanger achieves class leading heat recovery efficiencies. The unit automatically controls the temperature, humidity and airflow with minimum energy consumption.

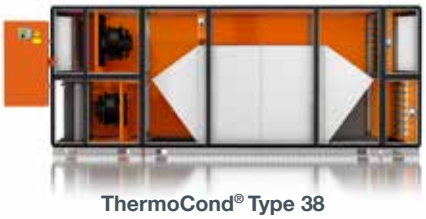
ThermoCond® 19

ThermoCond® 29

ThermoCond® Type 23



ThermoCond® Type 35



ThermoCond® Type 38

Trisolair®

Adsolair®

Resolair®

Adconair® Type 76

Adcoolair® Datacenter

Low energy air conditioning

Adsolair® with two stage recuperative heat recovery and indirect “adiabatic” cooling. Environmentally friendly cooling is achieved by evaporation of water.

Resolair® regenerative units achieve heat recovery efficiencies in excess of 90%. They are ideally suited for conditioning sports halls,houses, hotels, shops, theatres, cinemas, museums and many other applications.

Resolair® - Passivhaus regenerative units meet Passivhaus standards for heat recovery and power consumption.

Trisolair® with three stage recuperative heat recovery for the air conditioning of houses, small hotels and other room spaces.

Adconair® - Passivhaus with counterflow recuperator, separates outside and exhaust air paths resulting in suitability for large scale Passivhaus applications. The heat recovery efficiency and power consumption meet Passivhaus standards.

Adcoolair® air conditioning units for datacentres and other applications with high heat gains. Free cooling and indirect adiabatic cooling meet a significant proportion of the cooling requirement to achieve the lowest possible PUE and life cycle costs.

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