

# FAHU & AHU

**Climatcool** U.S.A.  
Hi-Tech Airconditioning



**FAHU**



**AHU**

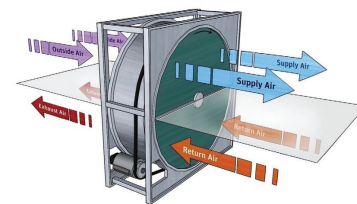
## Cooling Coil >>

- ▶ All Cooling coil is designed using professional computer selection which is ARI Performance Certified. The software is carefully formulated, designed and being fine tuned through laboratory testinf and real life application to meet the highest standard of HVAC industry. ARI Performance Certified is the trusted mark of performance assurance for heating, ventilation, air conditioning and commercial refrigeration equipment.
- ▶ The Cooling coil is available in Chilled Water and Direct Expansion Type.



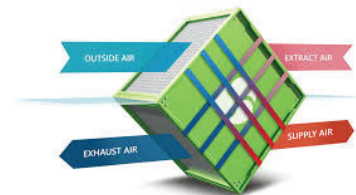
## Rotary Heat Exchanger >>

- ▶ A Compact construction, high recovery effectiveness, less spacing taken up, driven power required, suitable for large air flow.
- ▶ Both Sensible and latent heat recovery with the efficiency of 70-90%. The counter flow between fresh air and exhaust air offers self-cleaning capability.
- ▶ A Thermal Wheel consist of a circular honeycomb matrix of heat-absorbing material, which is slowly rotated within the supply & exhaust air stream of an air-handling system.



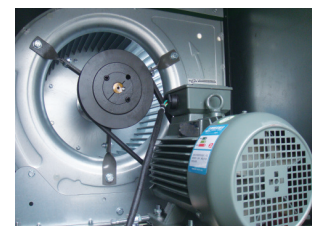
## Cross-Flow Plate Heat Exchanger >>

- ▶ A simple construction, safe operation, drive free, good air tightness, cross contamination free but large spacing taken up and not suitable for large air flow.
- ▶ Fresh air & exhaust air exchange the energy in the plate type H.E. and depends on the material used for H.E, the heat transferred can be sensible or total heat. The efficiency is about 50%, however, due to no physical contact of Fresh air & exhaust air, there is no pollution of fresh air by the exhaust air.



## Fan & Motor >>

- ▶ Fans are statically & dynamically balance and are available in the following varieties: Forward & Backward curved impeller blades, Backward airfoil curve impeller blades
- ▶ Yilida brand centrifugal fan, high performance efficiency, 3-phase, class "F" insulation and IP54 protection AC motor.
- ▶ Belt drive, optimal selection of drive ratio, increase fan/ motor assembly efficiency, easy for maintenance.



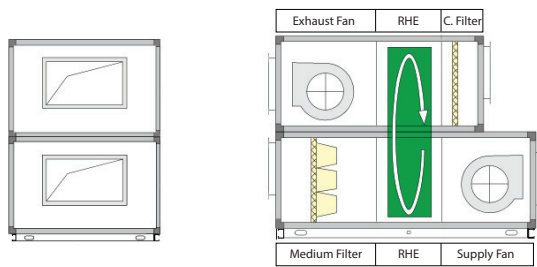
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## Air Filter >>

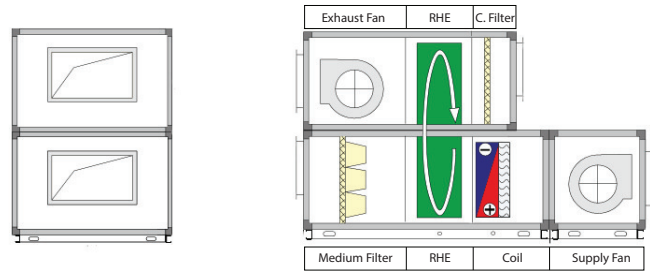
- ▶ Coarse Filter: Corrugated plate type, 25mm/ 46mm thickness.
- ▶ Medium Filter: Bag type, made of fire proof chemical fibres.
- ▶ High-Medium/ sub HEPA Filter: Bag or plate type, made of fiber glass.



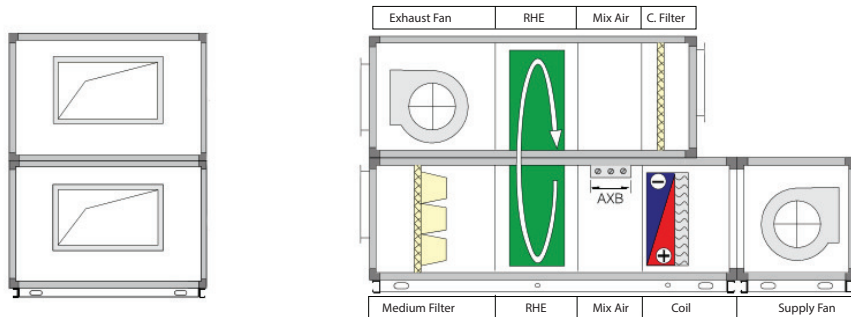
## FAHU Combination 1 >>



## FAHU Combination 2 >>

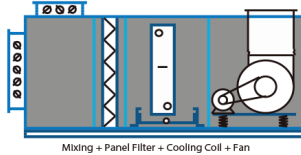


## FAHU Combination 3 >>

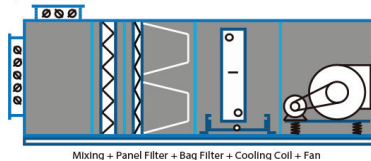


## AHU Combination >>

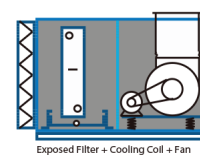
❖ Horizontal Combination 1:



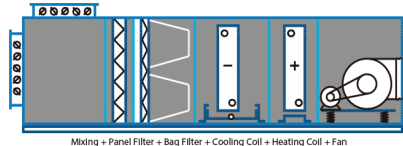
❖ Horizontal Combination 2:



❖ Horizontal Combination 3:



❖ Horizontal Combination 4:



❖ Horizontal Combination 5:

