

TRICOLOUR

AIR HANDLING UNIT

- Standard & Custom designs
- Built - in automation controls
- Superior design, Precise workmanship
- Low maintenance, Highly reliable
- Types : - Single Skin A.H.U.
 - Double Skin A.H.U.
 - Ventilation Type
 - Exhaust Unit
 - Fresh Air Unit
 - Treated Fresh Air Unit (T.F.A.)
- Energy efficient fan and motor option:
 - Plug fans
 - Belt DIDW fans
 - EC Fans
- Food grade rubber gaskets
- Temp. Range :- -17 C to 50 C
- Humidity Range : - 40 % to 70 % RH
- Stage Of Filtration : - 20 , 10 , 5 , 0.3 , 0.1
- Puff Density :- 40 kg/m³
- Structure :- Galvanized And S.S.304
- Aluminum Anodized Structure
- Range :- 800 Cfm to Site Condition



Treated Fresh Air (TFA / FA)

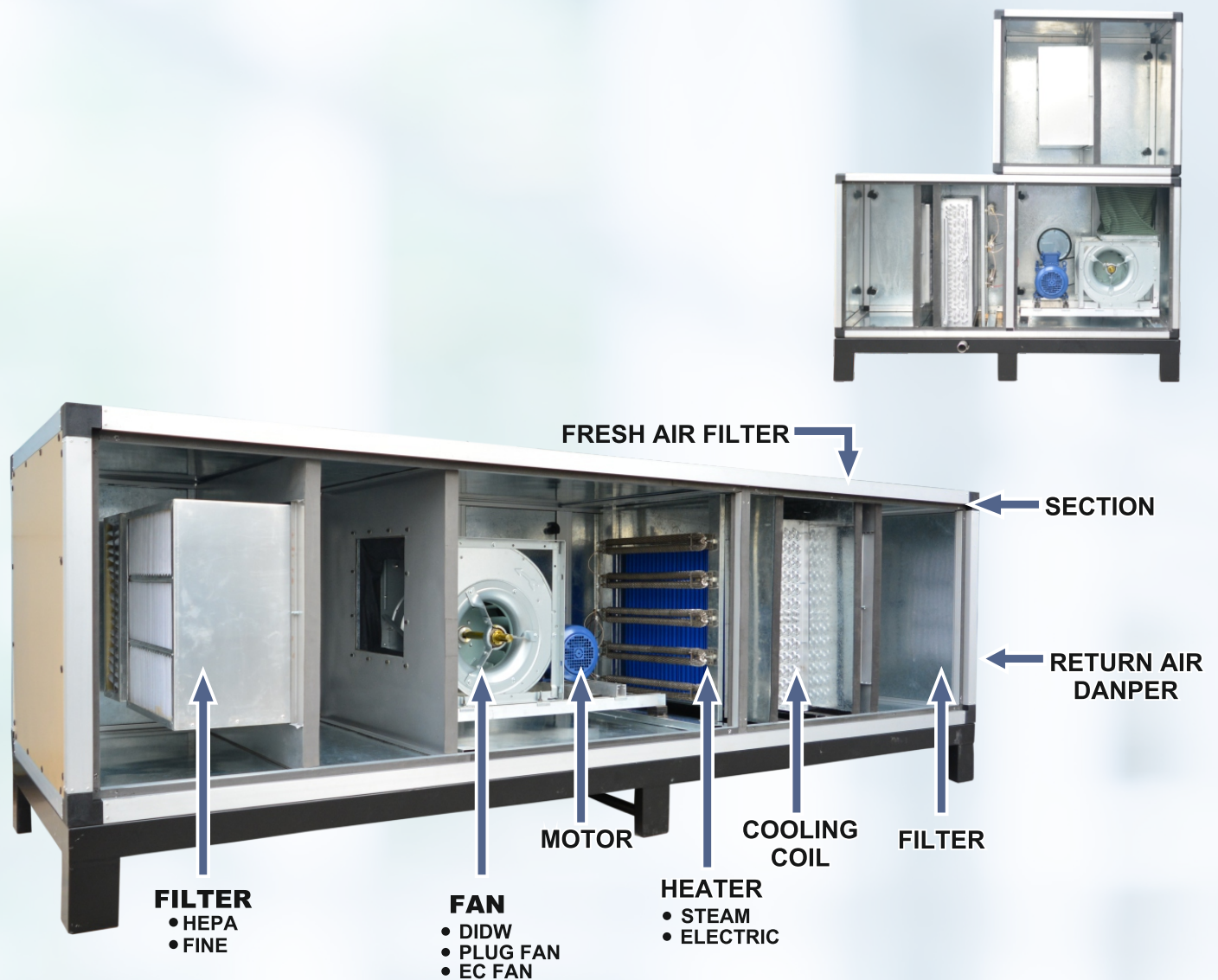
Ventillation Unit

Exhaust Unit

Air Handling Unit - Single Skin

Air Handling Unit - Double Skin

- Industrial Sector
- Pharmaceutical
- Hospital / Modular OT

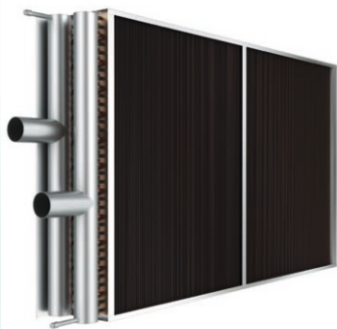


Air Handling Units are mainly used for maintaining air quality (cooling, heating, humidifying, dehumidifying, filtration etc.), air quantity (Cubic Meter per Hour (CMH) or number of Air changes per hour) and for circulation of air in the specified area through properly designed air distribution network. AHUS with various combinations of airflow, static pressure and varied selections of filtration level can be built to match customer requirements. These units are designed to offer customized solutions to suit requirements.

In a standard construction of AHU, the casing consists of double skin sandwich insulated (PUF) panels which are mounted on specially designed anodized aluminum profile structure and the casing is mounted on Galvanized iron base frame with fan, motor, cooling / heating coils, volume control dampers and filters (as per the classification required) and stainless steel drain pan, for condensate disposal.

Additional features like Heat Recovery Wheel, Heat Pipes, Plate type heat exchangers, Sound Attenuators, Motorized Damper with Actuators, Fire Control Dampers, Variable Frequency Drive Control Panels, etc., can be offered as per the requirement.

CHILL WATER COIL



Specification

- » Max glyccol concentration: 50%.
- » Min supplying medium temperature: +2°C.
- » max medium working pressure: 1,6MPa = 16bar (test: 21bar).
- » Cooling capacity: parameter resulting from individual parameters of selected unit (CCOL).
- » Medium pressure drop / flow rate: parameter resulting from individual performance calculation of selected unit (CCOL).
- » For reversed operation mode (heating) max medium working temperature: 140°C.

ELECTRIC HEATER



Specification

- » Max permissible ambient temperature around heating elements: 65°C.

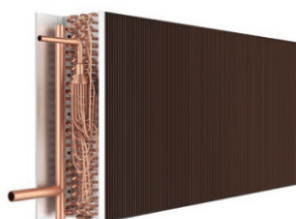
AIR DAMPER



Specification

- » Air leakage at closed damper: 50 m³/h*m² - at 100 Pascals of pressure difference.
- » Workint temperature range: -40°C. to +70°C.

DX COOLING COIL



Specification

- » Min. Refrigerant evaporation temperature: +3°C.
- » Max refrigerant working pressure: 2,2MPa=22bar (test: 29 bar).
- » Cooling capacity - parameter resulting from individual performance calculation of selected unit (CCOL).



TRICOLOUR

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