

OZONAIR HYDRONIC

AIR HANDLING UNITS

AX'M[®] COMFORT RANGE

Air flows from 0.5 to 5.0 m³/s

*Completely accessible
via sliding doors*

[Registered and patented]

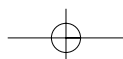


The air handling unit is Completely accessible for cleaning in order to maintain the air quality

*Typical applications : shops / stores / offices
Office buildings
Airports / Museums...*



AX'M COMFORT 07/06



The most ACCESSIBLE AHU on the market

- **Accessible** via sliding doors.
- **Accessible** because of its simple arrangements and innovations, that make it more compact.
- **Accessible** through its competitive cost

the AX'M is manufactured from 50mm double-skin panels

Self supporting casing

OZONAIR HYDRONIC remains loyal to its product design, as you would expect from a leading air handling unit manufacturer.

Constructing AHU's to exceptional standards when assessed to standard EN1886 (2004)

Sliding doors

OZONAIR HYDRONIC are, the first European manufacturer to design an AHU with completely removable front side, thanks to its patented sliding doors.

There are no fixed panels, therefore allowing complete access to all components within the AHU.

Multi service Bulkhead

Allows the access side panels to be completely removable, all the hydraulic or electrical connections are centrally located within the upper multi service bulkhead.

- heat exchanger connections
- dial or tube manometer
- differential pressure switch
- external isolators
- lighting switches
- Internal wiring.

Compact



One of the most compact air handling unit on the market due to an optimisation of all components, especially :

- Combined filters gathering together for example one G4 prefilter and one F7 rigid filter.
- Motor-fan mounting more compact thanks to the use of a tubular anti-vibration seal at the fan discharge.

Casing according to the EN 1886 (2004)

- D2 – Mechanical Strength*
- L1 or L2 – Air Tightness*
- T2 – Thermal insulation*
- TB2 – Thermal bridges*
- F9 or > F9 – Filter frame leakage*



Ease of installation

Due to its multi service bulkhead and a clever assembling system external to the casings.

Ease of maintenance

Due to its sliding doors

Due to the smooth surface product design.

Due to coil headers and dampers linkage being protected by a smooth blanking plate

Due to the elimination of recesses and dust traps.

Available functions

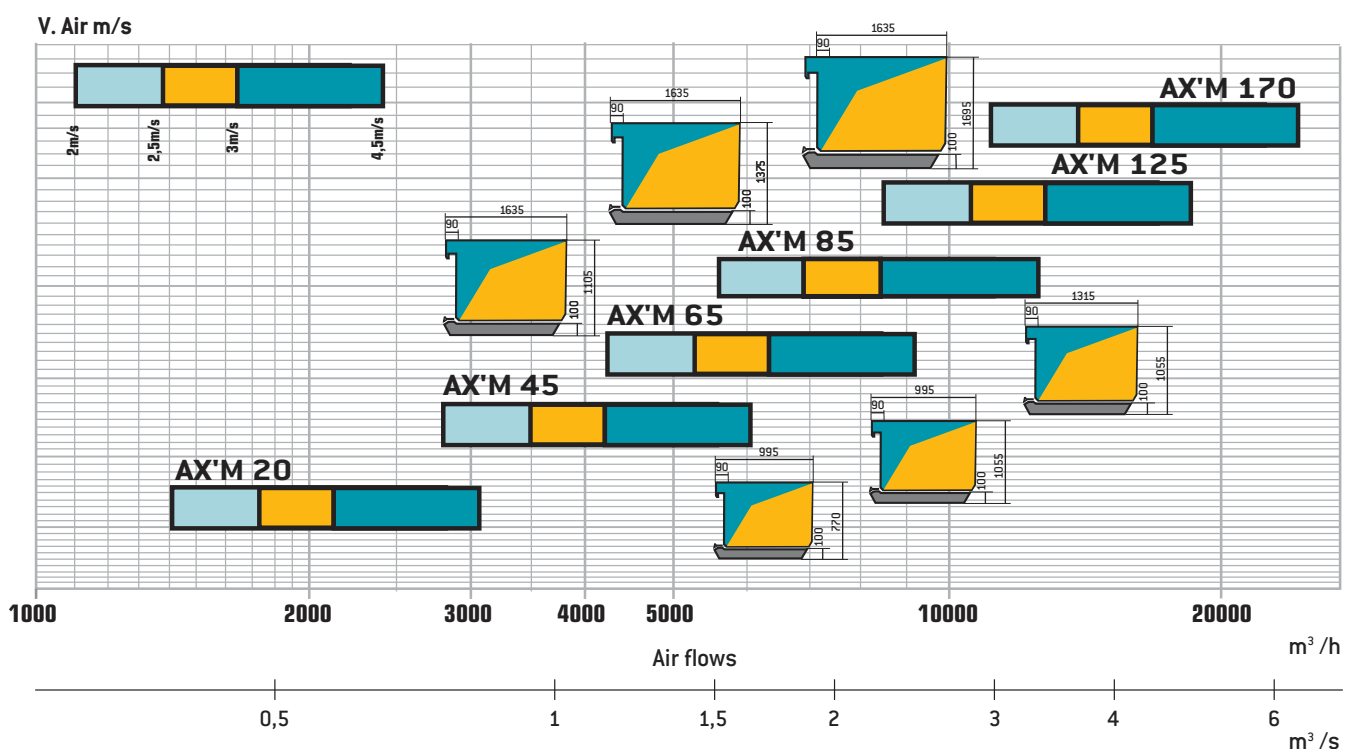
- air inlet dampers
 - for security
 - for balancing
 - for isolation
- simple or combined filtration
 - In slide rails G4 or F5
 - In slide rails with eccentric sealing F5 to F9
 - In frames for F5 to H10
 - In Hepa frames for H10 to H14
- heating coils
- antifrost drawer
- cooling coils
- steam humidifier
- double inlet forward/backward curved fans
- plug fan
- sound attenuator

External arrangement



The external arrangement AX'M is equipped with a sloping roof, an air inlet weather louvre. Elements from the multi service bulkhead are protected by a wide roof edge.

The air flow ranges and cross sections



The solution for all applications design requirements

Ozonair Hydronic's experience and capabilities make it possible to find specific solutions to suit each individual application and air flow. Ozonair Hydronic have developed the following ranges:-

CTB₂ 15 to 60

- shallow AHUs for ceiling void applications
- air flow from 0,25 m³/s to 1,50 m³/s



AX'M Comfort 20 to 170

- completely accessible AHUs
- commercial applications
- air flow from 0,50 m³/s to 5 m³/s



AX'M Medical 20 to 170

- completely accessible AHUs
- Health applications
- air flow from 0,50 m³/s to 5 m³/s



AX'M Industry 20 to 170

- completely accessible AHUs
- clean rooms and industrial applications
- air flow from 0,50 m³/s to 5 m³/s



CCM 210 to 315

- commercial, industrial and medical applications
- air flow from 6 m³/s to 10 m³/s



CTHb 295 to 510

- commercial and industrial AHU's
- direct gas fired burner
- air flow from 10 m³/s to 14 m³/s



CTH 600 to 1300

- large air flow AHU's for clean rooms, industrial and commercial applications.
- direct gas fired burner
- air flow from 16 m³/s to 36 m³/s... and above

OZONAIR HYDRONIC

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