



## Low-profile Air Handling Units UTBS PRO-REG Series

### UTBS-PRO-REG

The UTBS are low profile air handling units designed specifically for installation in false ceiling.

There are 4 different sizes to move flows from 500 to 8,000 m<sup>3</sup>/h:

- UTBS-2: Flow rates from 500 to 2.150 m<sup>3</sup>/h and 360 mm high.
- UTBS-3: Flow rates from 1.200 to 4.400 m<sup>3</sup>/h and 410 mm high.
- UTBS-5: flow rates from 2.400 to 6.000 m<sup>3</sup>/h y 410 mm high.
- UTBS-8: Flow rates from 4.000 to 8.000 m<sup>3</sup>/h and 500 mm high.

Main module composed of 3 sections; filtration, colis and fan.

#### Filters

Filtration section with two alternatives:

- Long version P F7 with capacity for mounting two filters: F7 with very low built-in pressure drop and possibility of mounting a second filter inside the unit (supplied as accessory).
- M5 short version with capacity for a single M5 filter.

Colis section with option to equip water coils, direct expansion coils or electric batteries.

Fan section, allows the air outlet to be oriented upwards or frontally, by exchanging the front and upper panels.

#### Motors

Model 2 and 3: Single phase EC motors with integrated electronic protection, 230V/I/50-60Hz IP44, Class B.

Model 5: Single phase EC motors with integrated electronic protection, 230V/I/50-60Hz IP55, Class F.

Model 8: Three phase EC motors with integrated electronic protection, 400V/III/50-60Hz IP55, Class F.

Available in a version with perimetral base which facilitates the installation on roof.

Minimum ambient temperature: -10°C.

Minimum air inlet temperature: -20°C.

#### Components/Modules

- Silencers
- Mixing box

Other configurations available through the treatment unit selection program.



## Attributes



#### Robust construction

High quality finishing with aluminium profile structure, providing a robust and tight assembly.



### **Tightening system**

In version P F7: The articulated arm system guarantees the tightness of the filtration section.



### **CONTROL**

UTBS PRO-REG includes integral operating control. It includes manual or automatic control of the fan for VAV, CAV or COP modes:

#### **VAV- Variable air volume**

Fan speed can be adjusted via analogue 0-10V signal.

#### **CAV - Constant air volume**

Fan speed can be adjusted to allow a constant airflow.

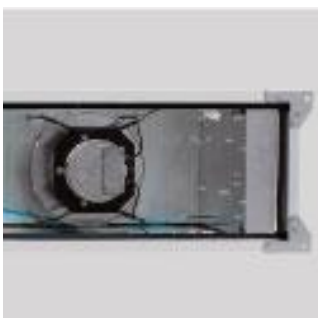
#### **COP - Constant pressure**

Fan speed can be adjusted to maintain a constant pressure in the ducting system.

### **Coils management**

Versions equipped with coils allow the management of the chilled/hot water via temperature probes included in the unit.

\* See complete table of control functionalities.



### **Fans**

Plug-fan with backward blades impeller and EC motor.



### **Condensate tray**

Versions with cold water coil and direct expansion coil in stainless steel with lateral outlet.



### **Easy access to filtersthrough panels, side or bottom.**

Two filtering options:

- Long version P F7 with capacity for mounting two filters: F7 with very low built-in pressure drop and possibility of mounting a second filter (supplied as an accessory). The filter clamping system with articulated arms ensures excellent sealing of the filter assembly.
- M5 short version with capacity to allow a single M5 filter mounted over a rail without filter clamping devices.



### **Integrated control**

Integrated electronic control, inside the unit.



### **Heating and cooling coils**

Batteries section with option to equip water coils, direct expansion coils or electric batteries.



### **Product selection program**

S&P air handling units selection software available.