



Housing

## Easy Flow and Smart Flow

- Low energy consumption
- Low voltage blowers (24 Volt)
- Made of plastic: eco-compatible
- Lighter: more ergonomics, easy to transport (-20 Kg)
- User friendly software: no specific training is needed



EasyFlow

SmartFlow

Tecniplast acknowledges the need for low energy consumption and most of all of more environmental friendly equipment, as clearly stated by the industry and by the global economic and environmental situation. That is the reason why a new generation of AHUs has been created: the Easy Flow and the Smart Flow.

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innovation through passion<sup>SM</sup>

## 1/Low energy consumption

The AHU features two low voltage fans which represent the latest technology and allow to supply air to multiple rack with a very low electric consumption, less than 50% vs. an average AHU consumption. This reflects on the environmental impact, that of course is lower, and on cost saving.

## 2/Low voltage blowers

The state of the art low voltage blowers feature a lesser energy consumption and therefore lesser heat production: this way, there is less wearing of the mechanical components: therefore, the lifespan is longer than an average AHU.

## 3/Made of plastic: eco-compatible

The new cover is made of thermoformed, recyclable plastic. Substituting as much as possible stainless steel with plastic implies that the production of CO<sub>2</sub> during the manufacturing process is lower.

## 4/Lighter: more ergonomics, easy to transport

The welfare of the operators is always essential in the designing process of all Tecniplast products. We addressed this issue by reducing the amount of stainless steel and using plastic in the building of the AHU, which becomes 20 Kg lighter and easy to be rolled in and out for sanitization purposes. The filters too are easy to remove and change.

## 5/User friendly software: no specific training is needed

The two different models have different interfaces both at eye level to make them easier to set. The Easy flow is pre-set from the factory as for the ACHs, the type of cage and the type of rack. You can set the number of cages connected to the unit simply by pushing one of the 4 buttons. You can also easily select between positive or negative mode. The Smart Flow features a touch screen which is able to offer the flexibility needed for setting every kind of rack and cages, ACH and pressure barrier level. The AHU also signals when to change HEPA filters.

## 6/Multilinking

It is possible to connect up to 4 single-sided racks or 2 double-sided racks to a single AHU with a consequent reduction of maintenance (only one AHU to take care of) and more ergonomic management of the equipment.

## 7/Option: RAS (Remote Alarm System)

RAS is a wireless system that monitors the status of the AHU, which is provided as a standard with a transmitter. To have the wireless alarm system working, you need additional receivers.

RAS is able to transmit a signal for every kind of alarm that occurs to the instruments to which it is directly linked: it is possible to connect RAS to the Building Management System or to an automatic phone dialer via a specific receiver.

- RAS: cost effective: constant monitoring of AHUs conditions and immediate transmission of alarm status.
- RAS: user friendly. You have just to start the system by pushing a button and it starts working automatically.

### TECHNICAL SHEET

Overall Dimensions (W x D x min. H) - mm/inch: 468 x 653,5 x 1919 / 18<sup>1</sup>/<sub>2</sub> x 25<sup>3</sup>/<sub>4</sub> x 75<sup>1</sup>/<sub>2</sub>

Overall Dimensions (W x D x max. H) - mm/inch: 468 x 653,5 x 2086 / 18<sup>1</sup>/<sub>2</sub> x 25<sup>3</sup>/<sub>4</sub> x 82<sup>1</sup>/<sub>8</sub>

Exhaust Air Outlet Diameter - mm/inch: 89 / 3<sup>1</sup>/<sub>2</sub>

AHU Weight - Kg: 80



# Housing

## Easy Flow and Smart Flow

Low energy consumption & Low voltage blowers

# 1&2



User friendly software: no specific training is needed

# 5



RAS (Remote Alarm System)

# 7



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