

## Pluggit Avent ventilation units

### The modular all-rounders

**NEW**

The ventilation units programme for all applications

- Efficient basic equipment with wide range of applications
- Space-saving for wall and ceiling installation
- Expandable for individual comfort

## The fresh air quartet for walls and ceilings

### Wall units

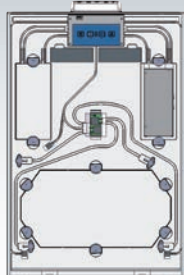
Efficient, energy-saving, easy to maintain and assemble: The latest generation of Pluggit Avent P wall units with heat recovery features a cross-counter-current heat exchanger made of aluminium and four ventilation levels. Having excellent values in terms of electrical efficiency and the heat supply rate it meets the current requirements.

Cover photo: © Anna Omelchenko - Fotolia.com

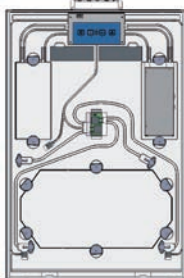


Due to the additional supply air connector at the bottom of the unit, the Pluggit Avent AP190 is perfectly suitable for the installation in flats or in attics, for instance.

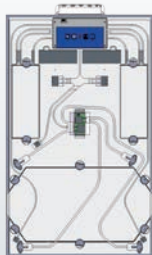
AP460



AP310



AP190



## Ceiling unit

Space-saving and efficient: The new ventilation unit Pluggit Avent D160 can be mounted on the ceiling and therefore is ideal for the use in detached houses and flats. Being the only ceiling unit, Pluggit Avent D160 is equipped with a vertical heat exchanger which ensures a hygienically perfect condensate discharge.

AD160



**NEW**



No space on the wall?  
No problem with the ceiling  
unit Pluggit Avent D160.



## Basic can be so much ...

### Basic

Already the standard version of Pluggit Avent ventilation units features all important functions and properties for an efficient air exchange according to individual needs as well as many comfort functions.



#### Keypad = 4 symbols + 1 display

Operation of the basic functions, acknowledgement of errors and filter reset, display of the chosen ventilation level and error messages.

#### Volume flow range

(nominal volume flow rate level III) according to DIN 1946-6

AP 190 = 140 m<sup>3</sup>/h  
AP 310 = 230 m<sup>3</sup>/h  
AP 460 = 350 m<sup>3</sup>/h  
AD 160 = 140 m<sup>3</sup>/h

#### Summer mode

Press the bypass icon for 5 seconds and the deactivation of the supply air ventilator ensures a comfortable room climate even at high outdoor temperatures.

#### Weekly programmes

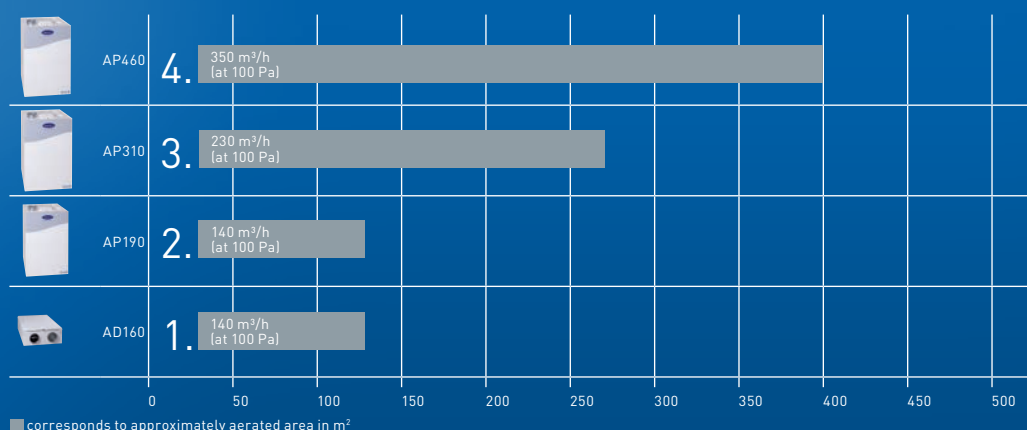
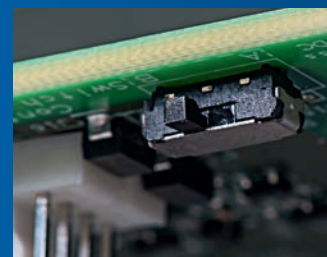
Choice between 10 preset weekly programmes or 2 individual programmings.

#### Frost protection function

For the highest efficiency even in the winter months.

#### Right / left version

For optimal positioning and connection of the ventilation unit to the air ducts.



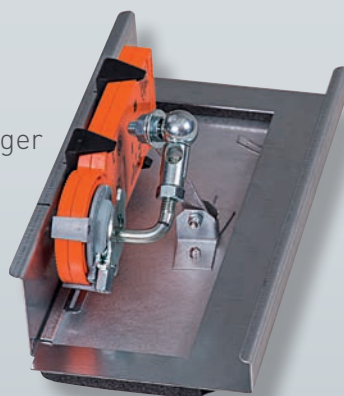
# ... and much more

## Additional features

Optionally there are further modularly mountable additional features available which make life with fresh air even more comfortable.

### Bypass

Allows circuiting the cross-counter-current heat exchanger in order to be able to supply the cooler night air in the summer months.



### ServoFlow

Automatic calibration and adjustment of the volume flow by means of pressure sensors.



### Electrical preheating register

Serves to preheat the outside air during the winter months and facilitates the frost protection.



### VOCs, relative humidity sensor

Control of the VOC concentration or/and relative humidity according to individual needs due to automatic adjustment of the air volume flow.



### Fireplace feature

Facilitates the simultaneous operation of an indoor air independent fireplace. The frost protection function is reset.

### Fire booster

Activation of the fire booster for 7 minutes in order to initiate an indoor air independent fireplace due to positive pressure.



## Reliable technology for the future

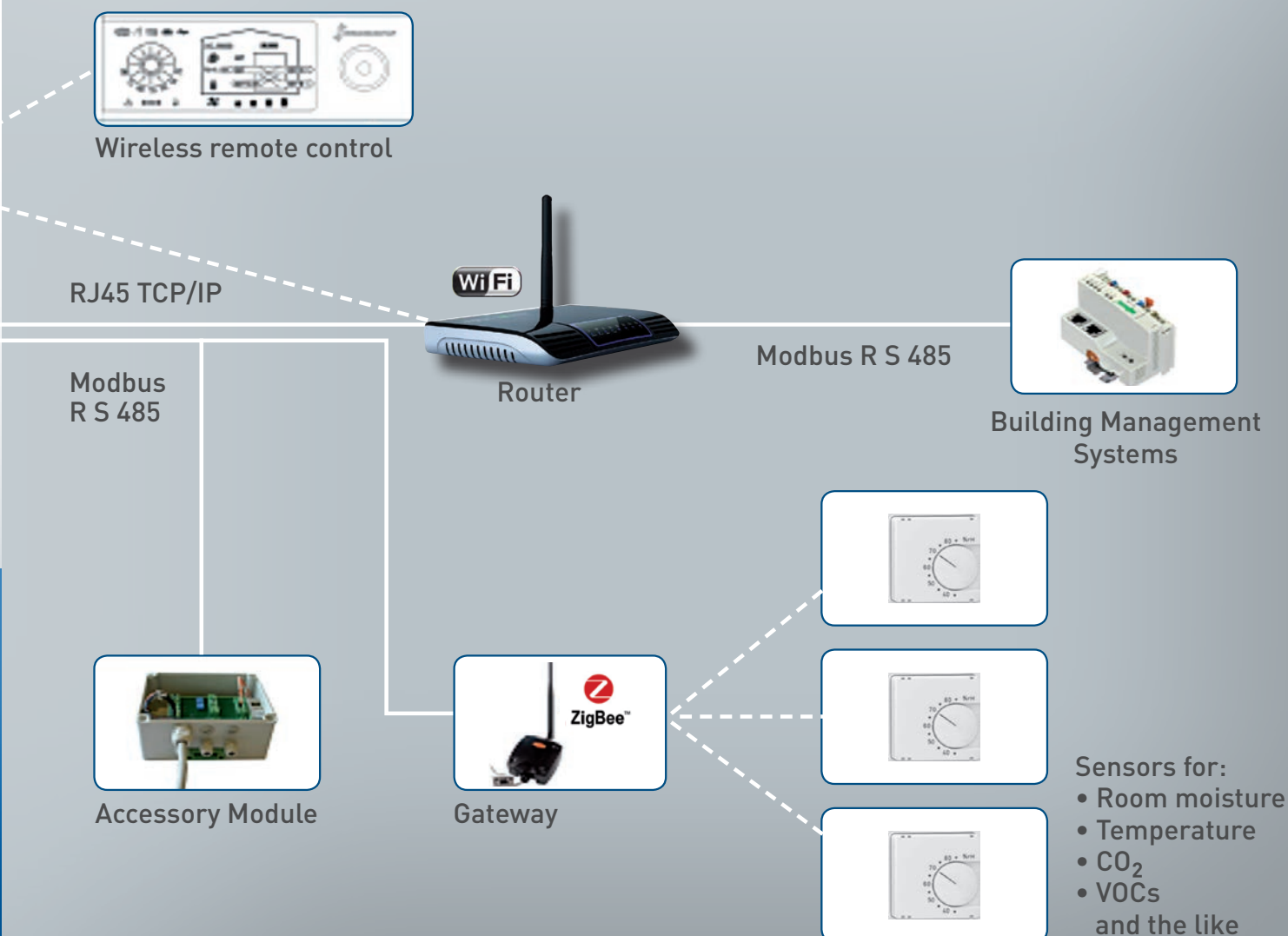
### Basic

Already the standard version of Pluggit Avent ventilation units provides all important communication features for a simple control of the ventilation units according to individual needs.



## Additional features

Pluggit Avent ventilation units can be upgraded with numerous comfort components such as radio remote control, app control, connection to BUS system, VOC sensor or smoke gas sensor as required. This makes the control according to individual needs even more flexible and simple.



## The handling is so simple



### Bypass

Functions / LED (colours) of the bypass

The control automatically detects the bypass and the bypass icon is activated.

- Automatic mode enabled = LED lights green (flap is open, summer mode)
- Automatic mode disabled = LED is OFF (flap is closed, winter mode)
- Manual bypass = press bypass icon = LED flashes green. In case of valid constraints (outdoor temperature) the bypass opens for 6 hours (default setting can be changed using the PC tool).
- Activation of the summer mode = bypass Press icon for 5 seconds, supply air ventilator is deactivated, in case of valid constraints (outdoor temperature).



### Ventilator

Functions / LED (colours) of the ventilator icon

LED lights green when in operating state, LED OFF non-operating state. When in manual operating state the desired ventilator level can be selected by pressing the ventilator icon. The level will then be indicated in the bar icon by blue LEDs.

- Level 4 = Intensive ventilation
- Level 3 = Nominal ventilation (reference volume flow rates according to 1946-6)
- Level 2 = Reduced ventilation
- Level 1 = 1F Protection against moisture (Level 1 is defined by the nominal ventilation and operates with stop and go function. There are two setting possibilities for level 1 by means of the PC tool).
- Level 0 (standby) – unit is switched off for 1 hour/ per day. This value can be adjusted, 1h-12h, using the PC tool. Activation of the standby function using the ventilator icon.

Press the ventilator icon for 3 seconds. After that, the unit will restart with nominal ventilation.





### Weekly programme/ Control according to individual needs

#### ■ **Weekly programme**

This icon leads you to the selected weekly programme, the demand programme or the individually programmed setting.

#### ■ **Control according to individual needs**

Activation of the control according to individual needs by means of the icon. Press the icon for 3 seconds and the unit will be controlled by the sensor (VOCs or relative humidity) installed in the unit. The LED flashes green.

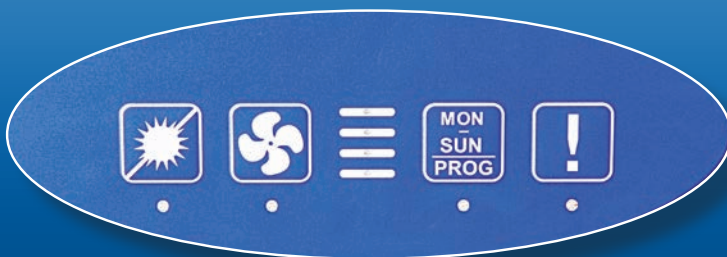


### Error

LED colours yellow and red.

There is no error if the LED is not illuminated.

- Filter control by means of a timer.
- Filter change is indicated by LEDs illuminated in yellow.
- If the filter change isn't carried out or if the filter timer is reset, the unit will revert to the filter error after a defined period of time and the unit will be switched off for safety reasons. LED lights red.
- Optionally the filter control can be effected by means of the ServoFlow. If the Monday calibration isn't carried out correctly, the filter control is indicated by means of a LED which lights yellow. If the filter change isn't carried out correctly, calibration by increasing the fan speed will not be possible any more and the unit will revert to the filter error. The unit will be switched off for safety reasons. LED lights red.



## Simple installation – many advantages

The new Pluggit Avent ventilation units with heat recovery are very easy to operate for the builder, for the specialised company all important elements are quickly and easily accessible without the use of many tools. In order to simply the installation or retrofitting of the optional expansion components to the greatest possible extent PLUGGIT ensured the best possible accessibility of the inside and outside of the casing design.

### Filter change

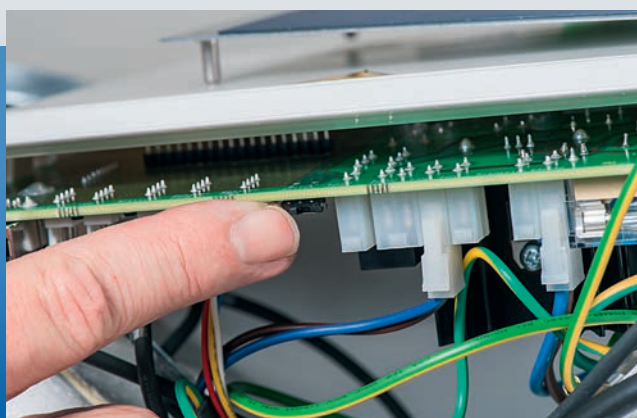


The filter is situated below the film display. A LED indicates the necessary change.



To change the filter, only open the cover – pull the filter, insert new filter, shut the cover – finished.

### Right / left operation



In addition to the freely selectable positioning and connection of the ventilation unit to the air ducts, a right or left connection version can be chosen using a switch. Typically PLUGGIT!

### Option ServoFlow



When put into service ServoFlow automatically calibrates the system and later corrects possible variations in volume flow itself.



The ServoFlow board is inserted in the provided gap in the casing, gaps have also already been cut for the connecting pipes – there is nothing more simple than that.

### Option preheating register



The preheating register for preheating the outside air which can be simply integrated in the ventilator casing can also be retrofitted.

### Option summer-bypass



The optional, automatic summer-bypass can be easily positioned at the intended place through the open casing wall.

# Further good ideas of



- **PluggLine** – designer covers for your home
- **PluggLine** – Flush-mount standard covers
- **PluggFlex R** – Round ventilation pipes for installation in wet concrete
- **PluggVoxx** – The most healthy air for your home

