

# SINGLE ROOM HEAT RECOVERY UNIT

## ASPIRVELO AIR ECOCOMFORT

- ➔ Ø 160 and 100 mm
- ➔ Wall mounting
- ➔ Low noise level
- ➔ High efficiency ceramic heat exchanger up to 90%
- ➔ Up to 4 units can be controlled simultaneously
- ➔ Easy to install external grille
- ➔ Telescopic adapter to suit different wall thickness



3  
years  
guarantee

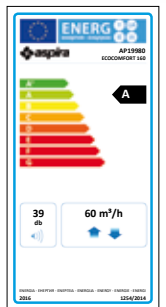
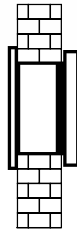
IP20

Control  
unit

IP24

Heat recovery  
unit

CE



### DESCRIPTION:

High efficiency decentralized heat recovery unit.

Thanks to the ceramic heat exchanger the heat of the supply / extracted air flowing through it is accumulated and transferred to the air when the flow is reversed.

The ventilating unit is equipped with a DC brushless motor that thanks to its reverse function guarantees the correct air change of the room.

Aspirvelo air Ecocomfort is equipped with a G3 filter, easy to access and replace.

Aspirvelo air Ecocomfort can be controlled with a wall mounting control unit included in the packaging that allows the user to choose between automatic, extraction only or supply only. The control unit allows to adapt the fan speed according to the temperature difference between the indoor and the outdoor temperature readings.

The control unit is suitable to regulate for up to 4 units simultaneously.

### CHARACTERISTICS:

- Body made in antistatic ABS plastic;
- Max ambient temperature 45°C;
- Compact dimensions and easy to install;
- Wall mounting control unit suitable for up to 4 units;
- Telescopic body to fit every wall thickness;
- External grille easy to install either from indoor or outdoor;
- Flow rectifier to grant higher performances, only for 160mm models;
- G3 filter.
- Complies with Reg. (UE) 1254/2014.

### KIT AP19980 and AP19984 include:

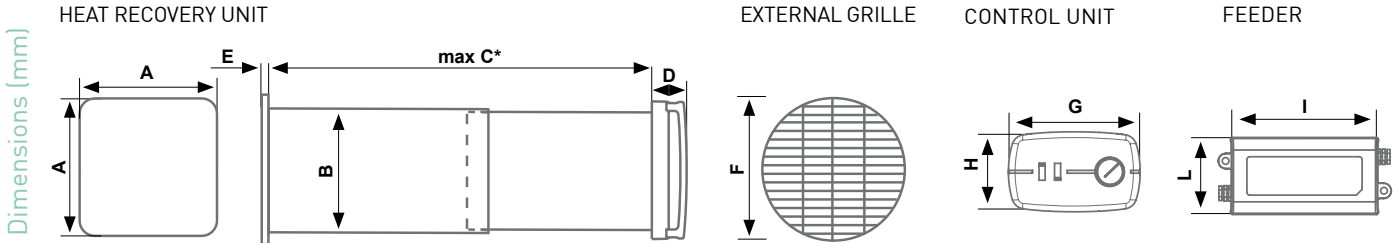
- Heat recovery unit with grille;
- Control unit;
- 12Vdc feeder suitable for up to 4 units;

### ACCESSORIES AND SPARE PARTS:

- Heat recovery unit with grille;
- External air supply terminal;
- G3 filter.

# DIMENSIONS

| MODEL              | A   | B   | C   | D  | E  | F   | G   | H  | I   | L  |
|--------------------|-----|-----|-----|----|----|-----|-----|----|-----|----|
| ECOCOMFORT 160     | 180 | 160 | 530 | 47 | 20 | 190 | 140 | 85 | 140 | 85 |
| ECOCOMFORT SAT 160 |     | 160 | 530 |    |    |     |     |    |     |    |
| ECOCOMFORT 100     |     | 107 | 570 |    |    |     |     |    |     |    |
| ECOCOMFORT SAT 100 |     | 107 | 570 |    |    |     |     |    |     |    |



\* In case of wall thickness less than 280mm cut the telescopic tube to the needed length and use a standard external grille (not supplied with the product)

# TECHNICAL FEATURES

| CODE    | MODEL          | Speed | m <sup>3</sup> /h | W   | Power supply | dB(A)<br>1,5 mt |
|---------|----------------|-------|-------------------|-----|--------------|-----------------|
| AP19980 | ECOCOMFORT 160 | min   | 38                | 2,0 | 230V~ 50Hz   | 28              |
|         |                | max   | 60                | 4,0 |              | 34              |
| AP19984 | ECOCOMFORT 100 | min   | 12                | 1,5 | 230V~ 50Hz   | 21              |
|         |                | max   | 25                | 2,0 |              | 24              |

KIT AP19980 and AP19984 include: heat recovery unit with grille, telescopic body, control unit and 12Vdc feeder.

# TECHNICAL SPECIFICATIONS

## HEAT RECOVERY UNIT

- Ventilating unit with DC motor;
- PVC shockproof telescopic body;
- Ceramic heat exchanger with efficiency >90%;
- G3 filter.
- Flow rectifier to grant higher performances, only for 160mm models;
- Splash proof protection class: IPX4.



## CONTROL UNIT

- Suitable ambient temperature: 0 ÷ 45 °C;
- Automatic function: the extract and supply air are automatically alternated;
- Manual function: either extract or supply mode can be selected;
- Season setting: thanks to the knob it is possible to optimize the interval of the automatic mode according to the indoor – outdoor temperature difference;
- 2 speeds: 25 ÷ 50 m<sup>3</sup>;
- Splash proof protection class: IP20.
- Simultaneous control of up to 4 units.



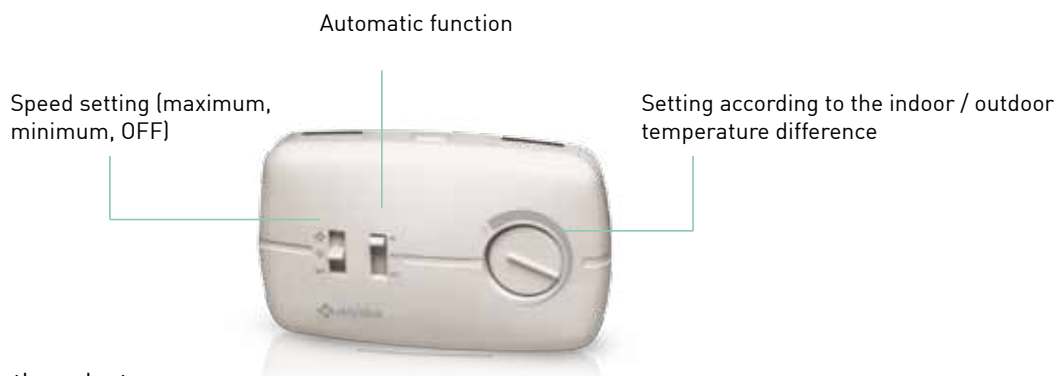
## FEEDER

- Protections: overload, short circuit, overheating.



# FUNCTIONING

## CONTROL UNIT



- Speed setting with the selector:  
High position: speed 2 (Qmax)  
Middle position: speed 1 (Qmin)  
Low position: OFF
- Functioning mode setting:  
High position: air supply  
Middle position: alternate cycle (alternate the supply / air extraction every 35/200 sec)  
Low position: air extraction
- Season setting: the knob allows to set alternate cycle according to the season or user needs between 35 and 200 seconds

## ACCESSORIES

### SECONDARY HEAT RECOVERY UNIT

- Suitable to ventilate other rooms
- Up to 4 units can be controlled with 1 control unit



| CODE    | MODEL              | Speed | m <sup>3</sup> /h | W   | Power supply | dB(A)<br>1,5 mt | For use with |
|---------|--------------------|-------|-------------------|-----|--------------|-----------------|--------------|
| AP19979 | ECOCOMFORT SAT 160 | V min | 38                | 2,0 | 230V~ 50Hz   | 28              | AP19980      |
|         |                    | V max | 60                | 4,0 |              | 34              |              |
| AP19985 | ECOCOMFORT SAT 100 | V min | 12                | 1,5 | 230V~ 50Hz   | 21              | AP19984      |
|         |                    | V max | 25                | 2,0 |              | 24              |              |

KIT AP19979 and AP19985 include: heat recovery unit with grille and telescopic body.

### G3 SPARE FILTER

| CODE    | MODEL | For use with          |
|---------|-------|-----------------------|
| AP19978 | FR004 | all ECOCOMFORT models |



# ELECTRICAL SCHEMES

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## CONTROL UNIT

### TERMINALS

- 1: power supply + (12V)
- 2: power supply -
- 3: power supply + motor A or motor A and B
- 4: power supply - motor A or motor A and B
- 5: rotation direction motor A or motor A and B
- 6: speed control motor A or motor A and B
- 7: power supply + motor C or motor C and D
- 8: power supply - motor C or motor C and D
- 9: rotation direction motor C or motor C and D
- 10: speed control motor C or motor C and D

