

# SINGLE ROOM HEAT RECOVERY UNIT WITH AIR SANITATION

## ASPIRVELO AIR RHINOCOMFORT RF

- ➔ Ø 160 mm
- ➔ Wireless control
- ➔ High efficiency ceramic heat exchanger up to 90%
- ➔ Photocatalytic system with zero ozone emissions for the sanitation of the air introduced from the outside
- ➔ Temperature, humidity and brightness sensors
- ➔ Up to 64 units can be controlled simultaneously
- ➔ Wall mounting
- ➔ Suitable for rooms up to 50 m<sup>2</sup>\*

\* based on:

- air exchange equal to 0.5 Vol / h

- local height 2.70 meters

Calculation example: ambient surface x 2.70 meters x 0.5 Vol / h



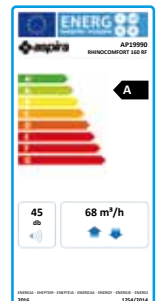
3  
years  
guarantee

IP40

Remote  
control

IPX4

Heat  
recovery unit



### DESCRIPTION:

The RHINOCOMFORT RF system is composed by one or more single-room high efficiency heat recovery units suitable for exterior walls installation.

Thanks to the ceramic heat exchanger inside the unit, the heat of the extracted air is accumulated in the heat exchanger and released to the air flow in the intake cycle.

In addition to heat recovery, the system sanitizes the air coming from outside through the photo catalysis process. Thanks to the combined action of a LED light

that illuminates the conduit through which the air and the water vapor contained in it passes through, RHINOCOMFORT RF decomposes the harmful substances present in the introduced air, transforming them into harmless substances.

The unit is equipped with a G3 filters.

Each ventilating unit is equipped with a DC brushless motor with low power consumption controlled by a microprocessor which automatically sets the speed

according to the temperature, humidity and light brightness readings of the sensors on board to ensure the best confort.

Installation options: 1 "MASTER" unit with its remote control and up to 64 slave / additional units.

The remote control, thanks to its intuitive graphics, allows the user to set and modify the desired operating mode and to verify the setting status.

**CARATTERISTICHE:**

- Body made in antistatic ABS plastic;
- Operating temperature -20 ° C to 50 ° C;
- Compact dimensions and easy to install;
- Remote control with touch key pad and blue LEDs
- Telescopic body to fit every wall thickness;
- External grille easy to install either from indoor or outdoor;
- G3 filters;

- Flow rectifier to grant higher performances;
- In compliance to UE Reg. 1254/2014
- Conforme Reg. (UE) 1254/2014.

**KIT AP19990 and AP19992 INCLUDE:**

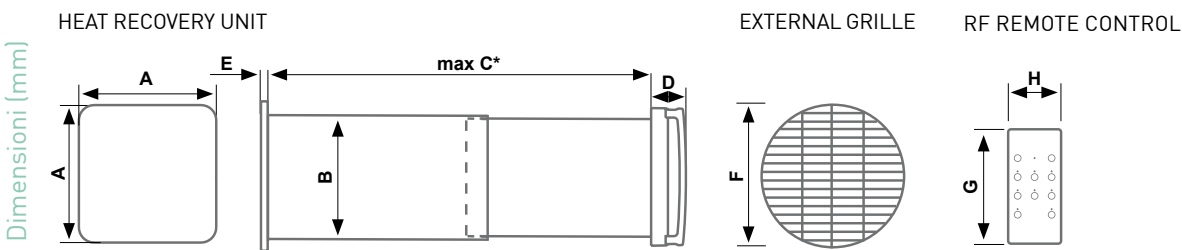
- Heat recovery unit with photo catalytic system and grille;
- RF remote control.

**ACCESSORIES AND SPARE PARTS::**

- Heat recovery unit with photo catalytic system and grille;
- External air supply terminal;
- G3 filters.

## DIMENSIONS

MODEL	A	B	C	D	E	F	G	H
RHINOCOMFORT 160 RF	180	160	530	47	20	190	125	60
RHINOCOMFORT SAT 160 RF		160	530					



\* 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

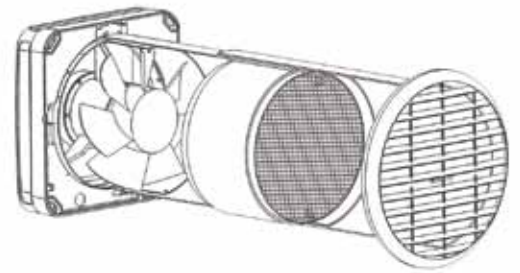
CODE	MODEL	Ø	SQM	Speed	m³/h	W	Power supply	dB(A) 1,5 mt
AP19990	RHINOCOMFORT 160 RF	160 mm	50 mq*	low	28	2,0	230V~ 50Hz	27
				medium	48	3,8		32
				high	68	6,6		38
				sleep	15	nd		nd

\* based on: air exchange equal to 0.5 Vol / h and local height 2.70 meters  
 Calculation example: ambient surface x 2.70 meters x 0.5 Vol / h

KIT AP19990 includes: heat recovery unit, photo catalytic system, telescopic body, grille and RF remote control

### HEAT RECOVERY UNIT WITH AIR SANITATION

- Ventilating unit with DC motor;
- PVC shockproof telescopic body;
- Ceramic heat exchanger with efficiency >90%;
- Photo catalytic system;
- G3 filters.
- Flow rectifier to grant higher performances;
- Power supply 230V~ 50Hz;
- Brightness and humidity sensors
- Temperature sensor (only Master unit);
- RF range: 100 mt open air, 30 mt indoor;
- Splash proof protection class: IPX4.



### RF REMOTE CONTROL

- Touch keypad
- Feedback through 9 blu leds
- Supply: 2 batteries type CR2032 (included)
- RF range: 100 mt open air, 30 mt indoor
- Protection class IP40;
- Battery operation life: about 18 months (2 x CR2032 included).



## INSTALLATION

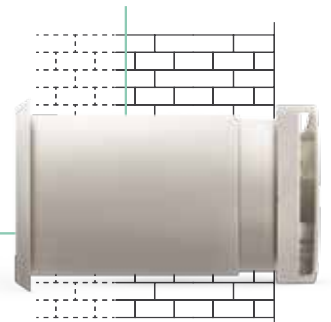
RHINOCOMFORT RF must be installed on the external walls. Thanks to the telescopic body it fits easily every wall thickness between 24 and 53 cm.

The external grille can be easily installed from outside or inside without the need of any scaffolding.

Telescopic adapter to suit different wall thickness  
minimum length 24 cm, maximum length 53 cm

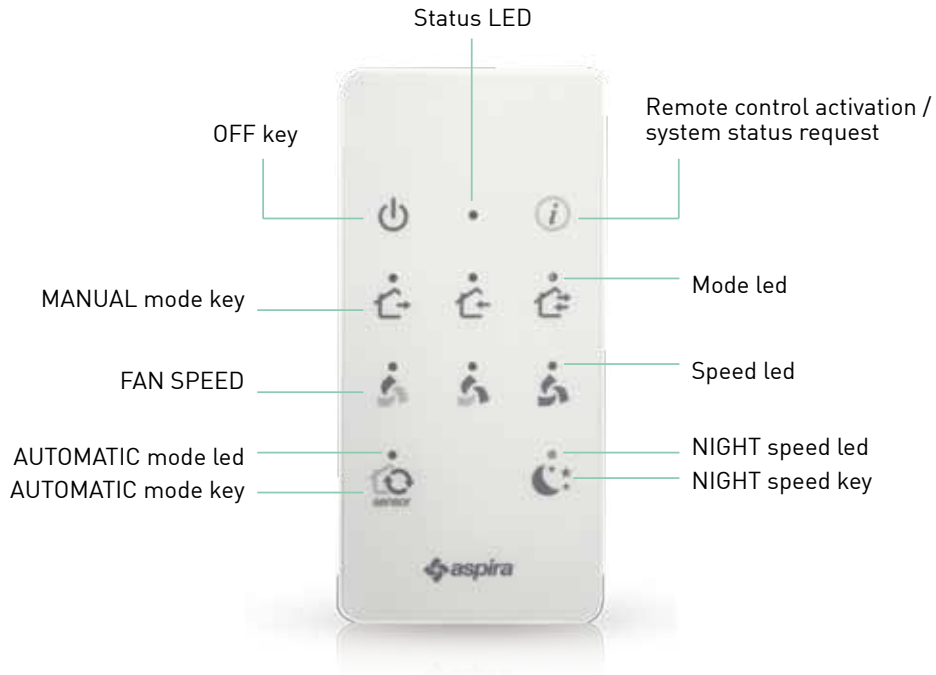


External grille  
easy to install  
either from  
inside



# OPERATION

## REMOTE CONTROL



### ■ System status request:

set mode and fan speed

### ■ Manual mode setting:

- air intake (30 minutes temporary mode)
- air extraction (30 minutes temporary mode)
- alternate air intake / extraction (45 seconds cycl

### ■ Automatic mode setting:

the master ventilating unit regulates automatically adjusts air intake / extract cycles and the fan speed according to the room / ambient conditions according to temperature, humidity and light brightness readings.

### ■ Fan speed setting:

- high speed
- medium speed
- low speed
- minimum speed: the sanitation system is not working.

### ■ Sanitation: the sanitation system is always in operation but can be disabled.

# ACCESSORIES

## SECONDARY HEAT RECOVERY UNIT WITH AIR SANITATION

- Suitable to ventilate other rooms
- Up to 63 units can be controlled with 1 control unit



CODE	MODEL	Speed	m <sup>3</sup> /h	W	Power supply	dB(A) 1,5 mt	For use with
AP19991	RHINOCOMFORT SAT 160 RF	low	28	2,0	230V~ 50Hz	27	AP19990
		medium	48	3,8		32	
		high	68	6,6		38	
		sleep	15	nd		nd	

KIT AP19991 includes: heat recovery unit, photo catalytic system, telescopic body and grille.

## G3 SPARE FILTERS

CODE	MODEL
AP19978	Filter FR004



CODE	MODEL
AP1984	Filter FR007

