

Noving **AIR**
aer proaspăt...



Noving **AIR** 100 e 150 Ceram

*High efficiency heat recovery unit
for single room installation*

Comfort / Health and wellbeing / Energy saving / Economic Saving / Design / 5 good reasons to live better



5 good reasons to choose NovingAIR Ceram

1. Better living comfort:

Dual action means extraction of odours and moisture whilst introducing fresh air from the outside so no need to open windows and thus create temperature swings.

2. Health and wellbeing:

NovingAIR Ceram's constant air exchange means that the indoor air environment always remains healthy. This avoids mould and humidity build-up which can result in dust mites and bacteria.

3. Energy Saving:

During extraction, the warm, stale air from inside the building warms the incoming fresh air inside the heat exchanger. This means that the energy consumed in warming the internal air is not wasted.

4. Economic Saving:

NovingAIR Ceram improves energy efficiency level of buildings thus gaining a better energy classification. Furthermore, there are benefits in terms of utility bills since less energy is being wasted.

5. Design :

NovingAIR Ceram has a modern and sleek design. This means that the fan can blend seamlessly into any environment especially where aesthetics are a key element of the project requirement.



Problems caused by poor ventilation

The new requirements for homes and business premises to be even more energy efficient means that they tend to be extremely thermally insulated. This means that correct and proper ventilation for buildings

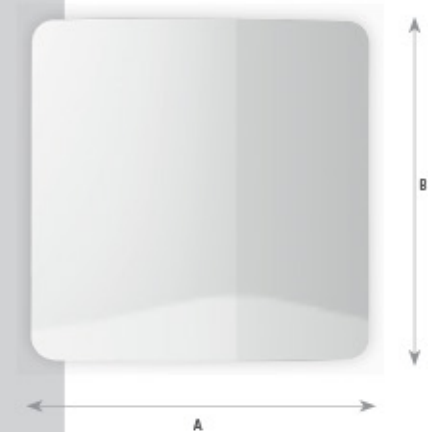
is absolutely essential. There are many sources of harmful substances within the home - humidity from washing; chemicals released from furniture and cleaning materials; VOCs from aerosols -

and although simple extraction systems can often provide adequate ventilation, it is important to introduce fresh air into a property. NovingAIR Ceram is the perfect solution since it is

a mechanically controlled ventilation system able to constantly exchange air in a property whilst minimising heat and energy waste. For optimal running, the installation of two NovingAIR Ceram units is

suggested. The two devices are able to communicate with each other (with or without wireless connection) thus generating balanced and synchronized airflows.

Two models and six versions / NovingAIR 100 Ceram & NovingAIR 150 Ceram



NovingAIR 100 & 150 Ceram Heat Recovery for single room installation

- Aerator with heat recovery with efficiency up to 90%;
- Ideal for domestic applications and suitable for single room installation;
- Long life and high quality materials with an elegant design;
- Equipped with automatic shutter which prevents undesired external entry while turned off;
- Silent running;
- Condensation drainage is not necessary;
- Brushless motor, high performance, low energy consumption;
- Equipped with G3 filters for both inlet and outlet;
- Easy cleaning and maintenance;
- Possible to move ON/OFF and/or speed selection switches on the wall;
- For ducts 100 and/or 160 mm;
- Adjustable duct, from a 250 to 400 mm length. Maximum length of the duct is 3 m (2,5 m in case of 90° curve);
- Indicator light for functions;
- Adjustable speed in terms of air flow through dedicated accessories: remote control or remote panel (optional);
- Available in 3 versions: CERAM (base version) - CERAM ACTIVE (wiring connection) - CERAM WIRELESS (wireless connection).

Dimensions (mm)

NovingAIR Ceram	100	150
width A	215	215
height B	215	215
depth C	83	83
back depth D	80,5	80,5
duct Ø E	100	160

NovingAIR Ceram is available in three versions:

Base version, equipped with:

- Internal Automatic shutter;
- ON/OFF switch and 2 speed switch (possible to control by remote);
- Indicator light for functions.

Active version, equipped with:

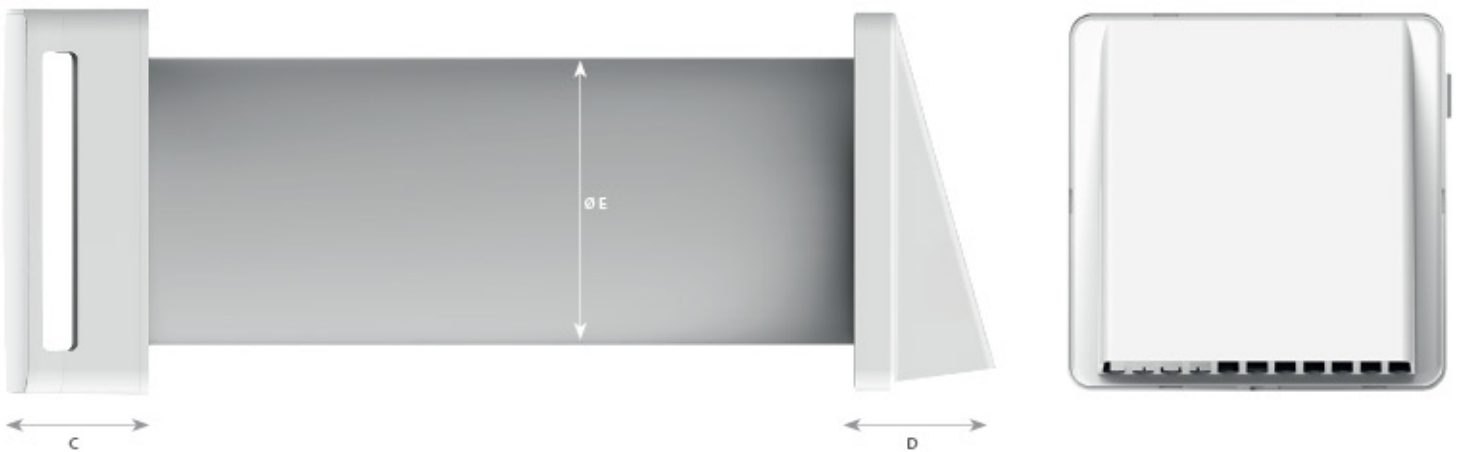
- Internal Automatic shutter
- ON/OFF switch (possible to control by remote);
- Surveillance function (sleep mode);
- Humidistat function;
- Operating indicator light for functions/ filter cleaning;
- 3 Speed selection through remote control or remote panel (optional);
- Up to 16 units communicating in sequence, through cable connection.

Wireless version, equipped with:

- Internal Automatic shutter;
- ON/OFF switch (possible to control by remote);
- Surveillance function (sleep mode);
- Humidistat function;
- Operating indicator light for functions/ filter cleaning;
- 5 Speed selection through remote control or remote panel (optional);
- Up to 16 units communicating in sequence, without any additional cable connection.

Positioning

NovingAIR Ceram has been designed to be installed in the main premises of the house (living room, bedroom,...). Duo base version can be installed as one unit even if the highest efficiency can be reached by installing two units. By selecting Duo Plus and/or Duo Wireless versions in fact, thanks to the technology of synchronization, two or more products communicating each others can be installed.



Technical Data

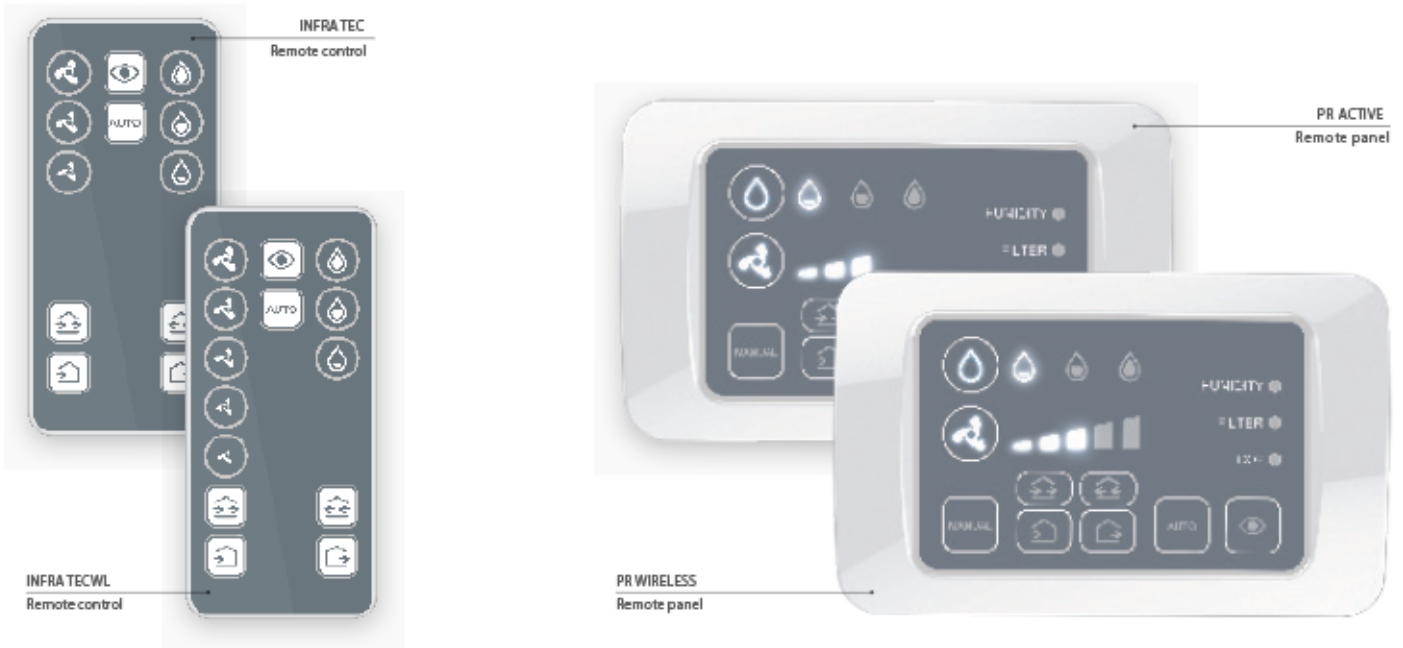
Model	Code	Ø Hole (mm)	Voltage (Vok)	Frequency (Hz)	*IN* flow rate (m ³ /h)	*OUT* flow rate (m ³ /h)	Max press. (mm H ₂ O)	Max press. (Pa)	Power (W)	Noisiness dB(A) _{1m}	Weight (Kg)
NovingAIR 100 CERAM BASE	0010100	100	220-240	50	30	30	3,5	34	7,9	23	3,5
● NovingAIR 100 CERAM ACTIVE	0010110	100	220-240	50	30	30	3,5	34	7,9	23	3,5
● NovingAIR 100 CERAM WIRELESS	0010130	100	220-240	50	30	30	3,5	34	7,9	23	3,5
NovingAIR 150 CERAM BASE	0010200	160	220-240	50	60	60	3,1	31	8,9	24	4,3
● NovingAIR 150 CERAM ACTIVE	0010210	160	220-240	50	60	60	3,1	31	8,9	24	4,3
● NovingAIR 150 CERAM WIRELESS	0010230	160	220-240	50	60	60	3,1	31	8,9	24	4,3

Flow rates and power

Model	SPEED 1		SPEED 2		SPEED 3		SPEED 4		SPEED 5	
	flow rate m ³ /h	power W	flow rate m ³ /h	power W	flow rate m ³ /h	power W	flow rate m ³ /h	power W	flow rate m ³ /h	power W
NovingAIR 100 CERAM BASE	15	3,9	30	7,9	-	-	-	-	-	-
NovingAIR 100 CERAM ACTIVE	15	3,9	22,5	5,9	30	7,9	-	-	-	-
NovingAIR 100 CERAM WIRELESS	15	3,9	18,5	4,9	22,5	5,9	26,5	6,9	30	7,9

Model	SPEED 1		SPEED 2		SPEED 3		SPEED 4		SPEED 5	
	flow rate m ³ /h	power W	flow rate m ³ /h	power W	flow rate m ³ /h	power W	flow rate m ³ /h	power W	flow rate m ³ /h	power W
NovingAIR 150 CERAM BASE	30	4,9	60	8,9	-	-	-	-	-	-
NovingAIR 150 CERAM ACTIVE	30	4,9	45	6,9	60	8,9	-	-	-	-
NovingAIR 150 CERAM WIRELESS	30	4,9	37,5	5,9	45	6,9	52,5	7,9	60	8,9






Remote control and remote panel / Between technology and high tech design





The INFRA TEC remote control, the Remote Panel ACTIVE and/or the Remote Panel ACTIVE CO₂ (optional) allow to run all functions related to ACTIVE unit. The Remote Panel ACTIVE CO₂, contains the CO₂ probe in addition to all functions of the ACTIVE unit.


The INFRA TECWL remote control, the Remote Panel WIRELESS and/or the Remote Panel WIRELESS CO₂ (optionals) allow to run all functions related to WIRELESS unit. The Remote Panel WIRELESS CO₂, contains the CO₂ probe in addition to all functions of the WIRELESS unit.

Legend

- 
AUTOMATIC MODE
 The product runs in automatic mode as per factory settings giving a high degree of comfort.
- 
SURVEILLANCE MODE
 The product remains in sleep mode but keeps the sensors activated. In case some environment parameters like humidity change, the product will automatically start running until reset values.
- 
AIR INTAKE FUNCTION
 In case of a single unit, the product intakes air. For multiple units, all products intake air simultaneously.
- 
AIR EXTRACT FUNCTION
 In case of a single unit, the product extracts air. For multiple units, all products extract air simultaneously.
- 
AIR FLOW DIRECTION
 This function is available if there are at least 2 products installed. By using this function, the products generate an airflow that allows only intake or only extract simultaneously for the desired time thus keeping the environment balanced.

- 
SPEED SELECTION
 3 adjustable speed levels (ACTIVE version) or 5 levels (WIRELESS version).
 - 
HUMIDITY LIMIT SELECTION (HYGROSTAT)
 Humidity sensor with 3 set values: minimum (40%), medium (55%) and maximum (70%).
-
- HUMIDITY ● HUMIDISTAT**
 Indicator light "humidity alarm" that indicates an excess of air humidity
 - FILTER ● FILTER**
 Indicator light "filter alarm" that indicates the necessity of a cleaning action.

HIGH TECHNOLOGY INSIDE!

- CO₂ ● CARBON DIOXIDE**
 Indicator light that indicates the crossing of CO₂ limit (N.B. only for CO₂ versions).

 The CO₂ indicator light lights up when exceeding the preset threshold and automatically activates the product ejection mode until the restoration of an optimal level of carbon dioxide in the environment.

Controls

(essential for plus and wireless versions, one for plant units)

Model	Media type	Suitable for series
● INFRA TEC	Remote control	NovingAIR 100 or 150 PLUS
● INFRA TECWL	Remote control	NovingAIR 100 or 150 WIRELESS
● RP DUO 100	Remote panel	NovingAIR 100 PLUS
● RP DUO 100 WIRELESS	Remote panel	NovingAIR 100 WIRELESS
● RP CO ₂ DUO 100 PLUS	Remote panel with CO ₂ probe	NovingAIR 100 PLUS
● RP CO ₂ DUO 100 WIRELESS	Remote panel with CO ₂ probe	NovingAIR 100 WIRELESS
● RP ACTIVE 150	Remote panel	NovingAIR 150 PLUS
● RP WIRELESS 150	Remote panel	NovingAIR 150 WIRELESS
● RP CO ₂ ACTIVE 150	Remote panel with CO ₂ probe	NovingAIR 150 PLUS
● RP CO ₂ WIRELESS 150	Remote panel with CO ₂ probe	NovingAIR 150 WIRELESS

Extra accessories

(tubes and replacement filters)

Model	Suitable for series
WALLTUBE 100/400	NovingAIR 100
WALL TUBE 100/700	NovingAIR 100
WALLTUBE 160/400	NovingAIR 150
WALLTUBE 160/700	NovingAIR 150
DUO FILTERS 100 (4 pcs.)	NovingAIR 100
DUO FILTERS 150 (4 pcs.)	NovingAIR 150

Further product details

EASY MAINTENANCE

The ability to disassemble each component of Duo makes it very practical both the maintenance cleaning. With a simple operation of a few seconds you can in fact reach inside the heat exchanger and the filters.

At this point it is advisable to rinse the filters under running water and clean the ceramic heat exchanger with a jet of air or a vacuum cleaner (CAUTION : never wash off with water!).

DUCT LENGTH CUSTOMIZATION

The house walls have varying thicknesses, depending on the design choices, geography and the time when the building was constructed: Old houses have thick walls, new ones have thicknesses from 30 to 40 cm. This makes it necessary to use an internal-external connection pipe which is versatile and can be shortened. Duo has a duct which can be shortened from its standard size (40 cm) than was required (minimum 25 cm).

POSSIBILITY OF CHANNELING

Duo is also suitable for more complicated architectural situations: in fact can be channelled up to a maximum of 3 meters horizontally or 2.5 meters if there is a 90° bend.

