

TEMPERO ECO 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;
- Ceramic heat exchanger with performance up to 93%;
- Silent running;
- Condensation drainage is not necessary;
- Brushless motor, high performance, low energy consumption;
- Equipped with G3 filters both for inlet ad outlet;
- Easy cleaning and maintenance;
- Possible to move ON/OFF and speed selection switches on the wall;
- For ducts 100 and 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).



POSITIONING

Tempero Eco Ceram has been projected to be installed in the main premises of the house (living room, bedroom,...). Eco Ceram base version can be installed as one unit even if the highest efficiency can be reached by installing two units. By selecting Eco Ceram Active and/or Eco Ceram 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 (Volt)	Frequency (Hz)	Flow rate "IN" (m³/h)	Flow rate "OUT" (m³/h)	Max press. (mm H₂O)	Max press. (Pa)	Power (W)	Noisiness dB(A) _{1m}	Weight (Kg)
TEMPERO ECO 100 CERAM BASE	0010100	100	220-240	50	30	30	3,5	34	7,9	23	3,5
TEMPERO ECO 100 CERAM ACTIVE	0010110	100	220-240	50	30	30	3,5	34	7,9	23	3,5
TEMPERO ECO 100 CERAM WIRELESS	0010130	100	220-240	50	30	30	3,5	34	7,9	23	3,5
TEMPERO ECO 150 CERAM BASE	0010200	160	220-240	50	60	60	3,1	31	8,9	24	4,3
TEMPERO ECO 150 CERAM ACTIVE	0010210	160	220-240	50	60	60	3,1	31	8,9	24	4,3
TEMPERO ECO 150 CERAM WIRELESS	0010230	160	220-240	50	60	60	3,1	31	8,9	24	4,3

CONTROL INSTRUMENTS (necessary for Active and Wireless versions, one for each system, to run all functions)

Model	Code	Type	Suitable for series
INFRA TEC	0010320	Remote control	Tempero Eco 100 or 150 Ceram Active
INFRA TECWL	0010330	Remote control	Tempero Eco 100 or 150 Ceram Wireless
PR ACTIVE 100	0010341	Remote panel	Tempero Eco 100 Ceram Active
PR WIRELESS 100	0010381	Remote panel	Tempero Eco 100 Ceram Wireless
PR CO₂ ACTIVE 100	0010301	Remote panel	Tempero Eco 100 Ceram Active
PR CO₂ WIRELESS 100	0010311	Remote panel	Tempero Eco 100 Ceram Wireless
PR ACTIVE 150	0010340	Remote panel	Tempero Eco 150 Ceram Active
PR WIRELESS 150	0010380	Remote panel	Tempero Eco 150 Ceram Wireless
PR CO₂ ACTIVE 150	0010300	Remote panel	Tempero Eco 150 Ceram Active
PR CO₂ WIRELESS 150	0010310	Remote panel	Tempero Eco 150 Ceram Wireless

ACCESSORIES

Model	Code	Suitable for series
Tube 100-400 mm	0010390	Tempero Eco 100 Ceram
Tube 100-700 mm	0010391	Tempero Eco 100 Ceram
Tube 160-400 mm	0010370	Tempero Eco 150 Ceram
Tube 160-700 mm	0010371	Tempero Eco 150 Ceram
Ceram Filters 100 (4 pz)	0010351	Tempero Eco 100 Ceram
Ceram Filters 150 (4 pz)	0010350	Tempero Eco 150 Ceram

FURTHER DETAILS

Tempero Eco Ceram available versions:

Base version's main technical features

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

Active version's main technical features

- 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's main technical features:

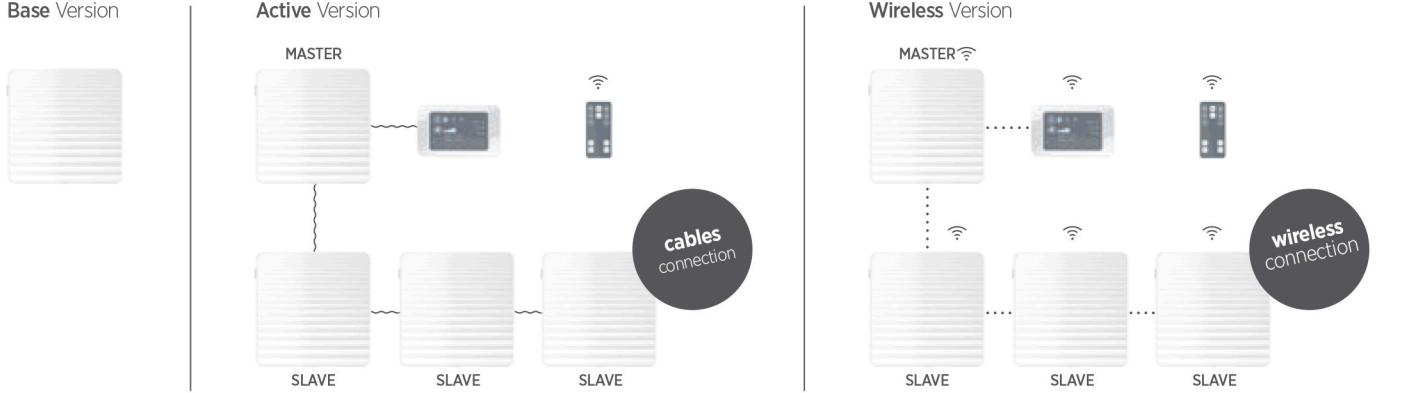
- Internal Automatic shutter;
- ON/OFF switch (possible to control by remote);
- Surveillance function (sleep mode);
- Humidistat function;
- Operating indicator light for functions/filter cleaning;
- 5 Speed selection through remote control or remote panel (optional);
- Up to 16 units communicating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

FLOW RATE AND POWER VALUES

Model	I° speed		II° speed		III° speed		IV° speed		V° speed	
	flow rate m³/h	power W	flow rate m³/h	power W	flow rate m³/h	power W	flow rate m³/h	power W	flow rate m³/h	power W
TEMPERO ECO 100 CERAM BASE	15	3,9	30	7,9	-	-	-	-	-	-
TEMPERO ECO 100 CERAM ACTIVE	15	3,9	22,5	5,9	30	7,9	-	-	-	-
TEMPERO ECO 100 CERAM WIRELESS	15	3,9	18,5	4,9	22,5	5,9	26,5	6,9	30	7,9

Model	I° speed		II° speed		III° speed		IV° speed		V° speed	
	flow rate m³/h	power W	flow rate m³/h	power W	flow rate m³/h	power W	flow rate m³/h	power W	flow rate m³/h	power W
TEMPERO ECO 150 CERAM BASE	30	4,9	60	8,9	-	-	-	-	-	-
TEMPERO ECO 150 CERAM ACTIVE	30	4,9	45	6,9	60	8,9	-	-	-	-
TEMPERO ECO 150 CERAM WIRELESS	30	4,9	37,5	5,9	45	6,9	52,5	7,9	60	8,9

FUNCTIONING SCHEMES



IN EVIDENCE

EASY MAINTENANCE

The product has been properly designed to be easily inspected and cleaned for maintenance.

EASY CLEANING

By disassembling every single component of the product, the cleaning operations are fast and practical: simply washing all the components (filter, impeller, etc) except the electronic parts, and cleaning the cover and back grille, the product will be periodically inspected.

DUCT LENGTH CUSTOMIZATION

Due to various wall sizes in terms of thickness, a versatile and adjustable duct in length is useful for the installation: it is possible to shorten the duct from its maximum length (40 cm.) as required.

CONTROL INSTRUMENTS ACTIVE VERSION

REMOTE CONTROL INFRA TEC

REMOTE PANEL ACTIVE



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.

Note: (1) remote panel suitable for wall mounting or into a 503 wall-mounting box

CONTROL INSTRUMENTS WIRELESS VERSION

REMOTE CONTROL INFRA TECWL

REMOTE PANEL WIRELESS



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.

Note: (1) remote panel suitable for wall mounting or into a 503 wall-mounting box

FUNCTIONALITY OF REMOTE CONTROL for Active or Wireless version



FUNCTIONALITY OF REMOTE PANEL Active and/or Wireless (with or without CO₂)



- HUMIDITY ● INDICATOR LIGHT “HUMIDITY ALARM”
- FILTER ● INDICATOR LIGHT “FILTER ALARM”
- CO₂ ● INDICATOR LIGHT “CO₂ ALARM”
(version with CO₂ probe)

- AUTOMATIC MODE**
The product runs in automatic mode as per factory settings, granting an ideal 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**
The product intakes air in case of single unit. For more units, all products intake air simultaneously.
- AIR EXTRACTION FUNCTION**
The product extracts air in case of single unit. For more units, all products extract air simultaneously.

- AIR FLOW DIRECTION**
This function is available if the products are at least two. By using this function, the products generate an air flow that allows the only intake and only extraction simultaneously for the desired time, keeping the environment always 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%).