

## SUPPLY AND EXHAUST VENTILATION SYSTEM WITH HEAT EXCHANGER



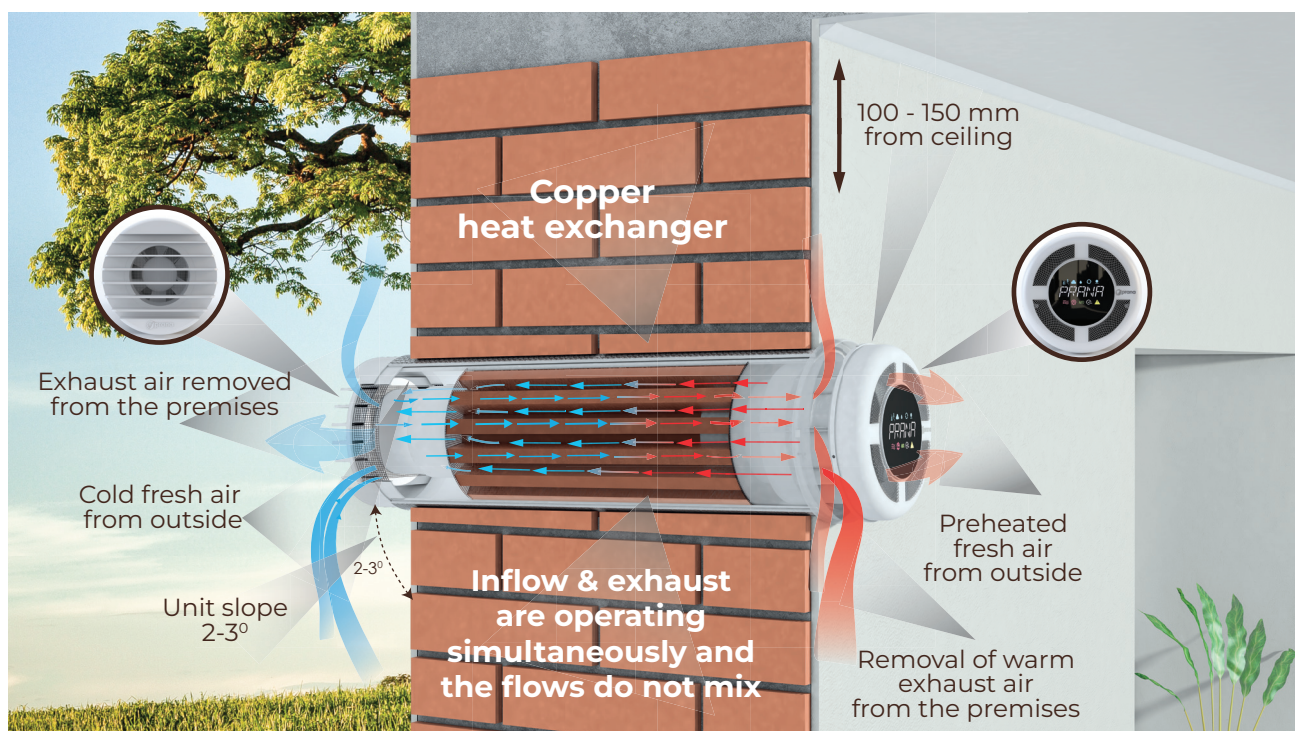
## ABOUT THE MANUFACTURER

PRANA is the author and manufacturer of a number of modern technologies in the field of energy saving. For 11 years, under the PRANA trademark, complex energy-efficient ventilation solutions have been bringing comfort and saving money.

Today, PRANA produces the fifth generation of air recuperators based on a copper heat exchanger. The engineers have their own climate laboratory, which allows them to develop and introduce new proven models to the market.

Experienced engineers of the company will help to design ventilation, taking into account modern national and European standards and requirements, climatic conditions and personal wishes of the customer, in premises for any purpose.

## PRINCIPLES OF OPERATION OF THE PRANA RECUPERATOR

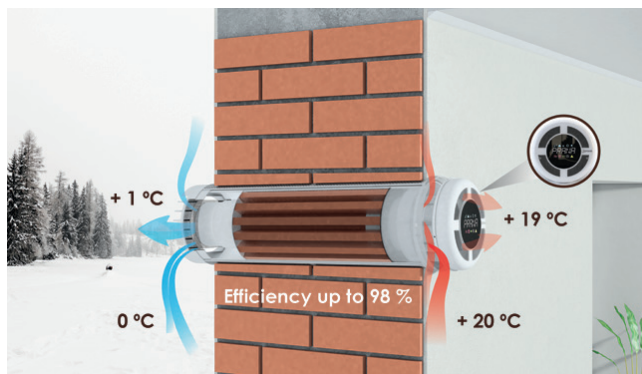


Air flows through a copper heat exchanger located inside the working module, and are separated from each other both inside the working module and at the "inlet-outlet" without mixing.

In the PRANA ventilation system, warm exhaust air removed from the room heats the fresh, cold air coming in from the outside. It is possible to install filters.

## AS A RESULT:

Prana recuperators do not just ventilate the room, but create a constant air exchange with maximum energy efficiency to maintain a healthy microclimate.



## MAIN ADVANTAGES OF THE PRANA RECUPERATOR

**COMPACT DIMENSIONS:** the diameter of the working module body is 160, 210, 260, 350 mm. The length is selected, depending on the wall thickness.

**COPPER HEAT EXCHANGER:** due to the heat transfer coefficient of the heat exchanger material, it provides high and stable efficiency. The natural antiseptic properties of copper prevent the spread of the spread of bacteria and germs through the ventilation system.

**RECOVERY EFFICIENCY OF UP TO 98%:** achieved by the passage of counter exhaust and supply air flows that do not mix with each other through a copper heat exchanger (recuperator).

**QUICK AND EASY INSTALLATION:** installation of a PRANA household recuperator takes an average of up to two hours and is carried out without disrupting the repair. The diamond drilling method is used to drill a through hole to the street, into which the working module is installed on the mounting foam or other sealant module is installed. Only the inner and outer covers of the recuperator remain visible: one inside the and the other on the facade.

**ACCESSIBILITY AND EASE OF MAINTENANCE:** household systems are a monoblock and are not difficult to maintain.

**CONVENIENT AND SIMPLE CONTROL SYSTEM:** remote control, as well as control via Android and iOS mobile application, and also supports automatic operation (depending on the configuration).

**NIGHT MODE:** silent (household systems).

**THE WARRANTY PERIOD IS 24 MONTHS.** Installed life is 10 years.

**THE BEST RATIO:** "price-quality".

FANS are tested and certified by TÜV SÜD Product Service GmbH.



## OUR PRINCIPLES

**ECOLOGY:** the equipment (the process of its production and operation) provides for the absence of any harmful effects on the environment.

**ENERGY EFFICIENCY:** Reducing the energy losses of the building for the ventilation system by transferring the thermal energy of the exhaust air to the supply air.

**QUALITY:** The quality management system at the enterprise complies with international standard ISO 9001:2015, tested and certified by SGS S.A.



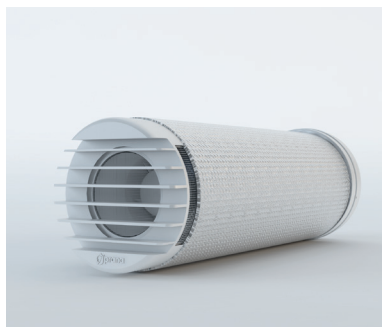
## HOUSING SERIES

These models are used in domestic facilities (private apartments, houses, offices, etc, educational and preschool institutions, etc.). The case is thermally insulated. An additional function is "mini heating". The recuperator is controlled by a remote control or a mobile application.

## INDUSTRIAL SERIES

Models of the industrial series are used in public and industrial facilities: shopping malls, sports and entertainment centers, swimming pools, agricultural facilities and other premises to ensure the necessary air exchange.



**RECUPERATOR PRANA 160**
**A<sup>+</sup> CE**


Diameter of the mounting hole, mm	≥162
Length of the working module, mm	≥450
Air exchange, m <sup>3</sup> /h	5/14/21/32/52/70*
Efficiency, %	up to 98
Noise 3m (Lpa3m), dBA	from 8
Ventilation consumption**, W·h	from 3,2
Full consumption***, W·h	74

\*Boost mode, an unregulated mode, is not recommended for continuous use.

\*\*Electrical power consumption of the fan drive, including any motor control equipment.

\*\*\*Total consumption of the appliance as standard.

**Temperature sensor 3 - Supply** air temperature **before** recovery, °C.

The technical characteristics of the ventilation system have been tested and confirmed in an independent testing laboratory IMQ S.p.A. according to international standard EN 13141-8:2014

System configuration	PRANA - 160
Temperature sensor 3	+
Separate control of the engines	+
Sleep timer	+
Support for Bluetooth, WI-FI	+
Function "Mini - heating"	+
Function "Winter mode"	+
Date and clock	+

**Control system:** remote control or mobile application.


**RECUPERATOR PRANA 210G**
**A<sup>+</sup> CE**


Diameter of the mounting hole, mm	≥220
Length of the working module, mm	≥440
Air exchange, m <sup>3</sup> /h	5/20/28/38/65/85*
Efficiency, %	up to 97
Noise 3m (Lpa3m), dBA	from 8
Ventilation consumption**, W·h	from 3,2
Full consumption***, W·h	74

\*Boost mode, an unregulated mode, is not recommended for continuous use.

\*\*Electrical power consumption of the fan drive, including any motor control equipment.

\*\*\*Total consumption of the appliance as standard.

**Temperature sensor 3 - Supply** air temperature **before** recovery, °C.

The technical characteristics of the ventilation system have been tested and confirmed in an independent testing laboratory IMQ S.p.A. according to international standard EN 13141-8:2014

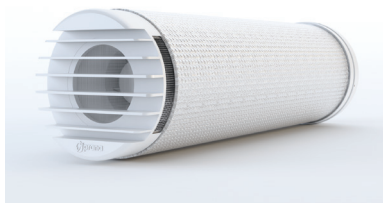
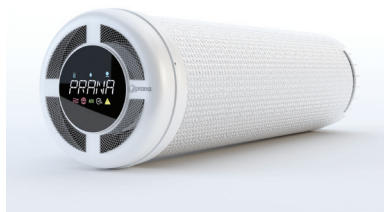
System configuration	PRANA - 210G
Temperature sensor 3	+
Separate control of the engines	+
Sleep timer	+
Support for Bluetooth, WI-FI	+
Function "Mini - heating"	+
Function "Winter mode"	+
Date and clock	+

**Control system:** remote control or mobile application.





## RECUPERATOR PRANA 160 ERP

**A<sup>+</sup> CE**


Diameter of the mounting hole, mm	≥162
Length of the working module, mm	≥450
Air exchange, m <sup>3</sup> /h	5/14/21/32/52/70*
Efficiency, %	up to 98
Noise 3m (Lpa3m), dBA	from 8
Ventilation consumption**, W·h	from 3,2
Full consumption***, W·h	74

\*Boost mode, an unregulated mode, is not recommended for continuous use.

\*\*Electrical power consumption of the fan drive, including any motor control equipment.

\*\*\*Total consumption of the appliance as standard.

**Temperature sensor 1 - Supply** air temperature **after** recovery, °C.

**Temperature sensor 2 - Exhaust** air temperature **before** recovery, °C.

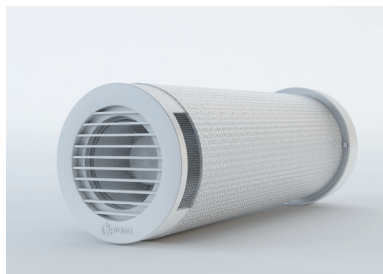
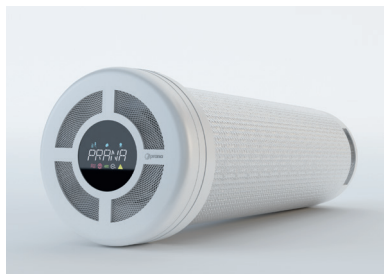
The technical characteristics of the ventilation system have been tested and confirmed in an independent testing laboratory IMQ S.p.A. according to international standard EN 13141-8:2014

System configuration	PRANA - 160 ERP
Air humidity sensor	+
Temperature sensor 1, 2	+
Atmospheric pressure sensor	+
Determining the status of the filter	+
Operating mode AUTO, AUTO PLUS	+
Separate engine control	+
Function "Mini - heating"	+
Function "Winter mode"	+
Support for Bluetooth, WI-FI	+
Date and clock	+
Sleep timer	+

**Control system:** remote control or mobile application.



## RECUPERATOR PRANA 210G ERP

**A<sup>+</sup> CE**


Diameter of the mounting hole, mm	≥220
Length of the working module, mm	≥440
Air exchange, m <sup>3</sup> /h	5/20/28/38/65/85*
Efficiency, %	up to 97
Noise 3m (Lpa3m), dBA	from 8
Ventilation consumption**, W·h	from 3,2
Full consumption***, W·h	74

\*Boost mode, an unregulated mode, is not recommended for continuous use.

\*\*Electrical power consumption of the fan drive, including any motor control equipment.

\*\*\*Total consumption of the appliance as standard.

**Temperature sensor 1 - Supply** air temperature **after** recovery, °C.

**Temperature sensor 2 - Exhaust** air temperature **before** recovery, °C.

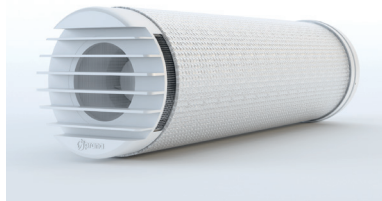
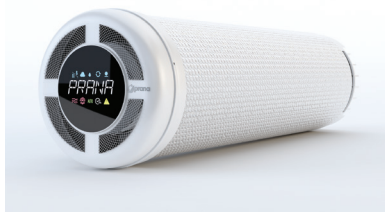
The technical characteristics of the ventilation system have been tested and confirmed in an independent testing laboratory IMQ S.p.A. according to international standard EN 13141-8:2014

System configuration	PRANA - 210G ERP
Air humidity sensor	+
Temperature sensor 1, 2	+
Atmospheric pressure sensor	+
Determining the status of the filter	+
Operating mode AUTO, AUTO PLUS	+
Separate engine control	+
Function "Mini - heating"	+
Function "Winter mode"	+
Support for Bluetooth, WI-FI	+
Date and clock	+
Sleep timer	+

**Control system:** remote control or mobile application.



## RECUPERATOR PRANA 160 ERP PRO

**A<sup>+</sup> CE**


Diameter of the mounting hole, mm	≥162
Length of the working module, mm	≥450
Air exchange, m <sup>3</sup> /h	5/14/21/32/52/70*
Efficiency, %	up to 98
Noise 3m (Lpa3m), dBA	from 8
Ventilation consumption**, W·h	from 3,2
Full consumption***, W·h	74

\*Boost mode, an unregulated mode, is not recommended for continuous use.

\*\*Electrical power consumption of the fan drive, including any motor control equipment.



\*\*\*Total consumption of the appliance as standard.

Temperature sensor 1 - Supply air temperature **after** recovery, °C.

Temperature sensor 2 - Exhaust air temperature **before** recovery, °C.

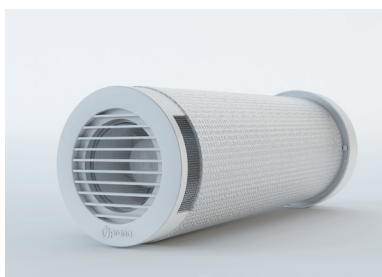
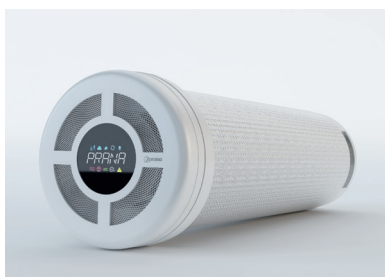
Temperature sensor 3 - Supply air temperature **before** recovery, °C.

The technical characteristics of the ventilation system have been tested and confirmed in an independent testing laboratory IMQ S.p.A. according to international standard EN 13141-8:2014

**Control system:** remote control or mobile application.  

System configuration	PRANA - 160 ERP PRO
CO <sub>2</sub> eq sensor	+
Air quality sensor, VOC	+
Air humidity sensor	+
Temperature sensor 1, 2, 3	+
Atmospheric pressure sensor	+
Operating mode AUTO, AUTO PLUS	+
Separate control of the engines	+
Determining the status of the filter	+
Function "Mini - heating"	+
Function "Winter mode"	+
Support for Bluetooth, WI-FI	+
Date and clock	+
Sleep timer	+
Efficiency coefficient	+

## RECUPERATOR PRANA 210G ERP PRO

**A<sup>+</sup> CE**


Diameter of the mounting hole, mm	≥220
Length of the working module, mm	≥440
Air exchange, m <sup>3</sup> /h	5/20/28/38/65/85*
Efficiency, %	up to 97
Noise 3m (Lpa3m), dBA	from 8
Ventilation consumption**, W·h	from 3,2
Full consumption***, W·h	74

\*Boost mode, an unregulated mode, is not recommended for continuous use.

\*\*Electrical power consumption of the fan drive, including any motor control equipment.



\*\*\*Total consumption of the appliance as standard.

Temperature sensor 1 - Supply air temperature **after** recovery, °C.

Temperature sensor 2 - Exhaust air temperature **before** recovery, °C.

Temperature sensor 3 - Supply air temperature **before** recovery, °C.

The technical characteristics of the ventilation system have been tested and confirmed in an independent testing laboratory IMQ S.p.A. according to international standard EN 13141-8:2014

**Control system:** remote control or mobile application.  

System configuration	PRANA - 210G ERP PRO
CO <sub>2</sub> eq sensor	+
Air quality sensor, VOC	+
Air humidity sensor	+
Temperature sensor 1, 2, 3	+
Atmospheric pressure sensor	+
Operating mode AUTO, AUTO PLUS	+
Separate control of the engines	+
Determining the status of the filter	+
Function "Mini - heating"	+
Function "Winter mode"	+
Support for Bluetooth, WI-FI	+
Date and clock	+
Sleep timer	+
Efficiency coefficient	+

**RECUPERATOR PRANA 210C**
**A<sup>+</sup> CE**


Diameter of the mounting hole, mm	≥220
Length of the working module, mm	≥490
Air exchange, m <sup>3</sup> /h	6/25/35/48/90/140*
Efficiency, %	up to 92
Noise 3m (Lpa3m), dBA	from 8
Ventilation consumption**, W·h	from 3,2
Full consumption***, W·h	91

\*Boost mode, an unregulated mode, is not recommended for continuous use.

\*\*Electrical power consumption of the fan drive, including any motor control equipment.

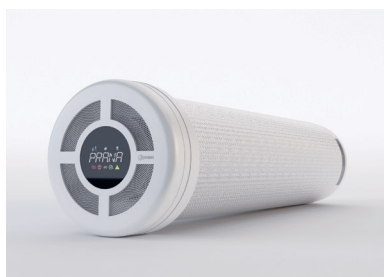
\*\*\*Total consumption of the appliance as standard.

**Temperature sensor 3 - Supply** air temperature **before** recovery, °C.

The technical characteristics of the ventilation system have been tested and confirmed in an independent testing laboratory IMQ S.p.A. according to international standard EN 13141-8:2014

System configuration	PRANA - 210C
Temperature sensor 3	+
Separate control of the engines	+
Sleep timer	+
Support for Bluetooth, WI-FI	+
Function "Mini - heating"	+
Function "Winter mode"	+
Date and clock	+

**Control system:** remote control or mobile application.


**RECUPERATOR PRANA 210C ERP**
**A<sup>+</sup> CE**


Diameter of the mounting hole, mm	≥220
Length of the working module, mm	≥490
Air exchange, m <sup>3</sup> /h	6/25/35/48/90/140*
Efficiency, %	up to 92
Noise 3m (Lpa3m), dBA	from 8
Ventilation consumption**, W·h	from 3,2
Full consumption***, W·h	91

\*Boost mode, an unregulated mode, is not recommended for continuous use.

\*\*Electrical power consumption of the fan drive, including any motor control equipment.

\*\*\*Total consumption of the appliance as standard.

**Temperature sensor 1 - Supply** air temperature **after** recovery, °C.

**Temperature sensor 2 - Exhaust** air temperature **before** recovery, °C.

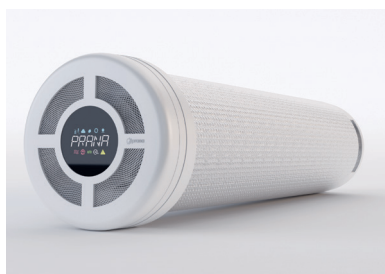
The technical characteristics of the ventilation system have been tested and confirmed in an independent testing laboratory IMQ S.p.A. according to international standard EN 13141-8:2014

System configuration	PRANA - 210C ERP
Air humidity sensor	+
Temperature sensor 1, 2	+
Atmospheric pressure sensor	+
Determining the status of the filter	+
Operating mode AUTO, AUTO PLUS	+
Separate engine control	+
Function "Mini - heating"	+
Function "Winter mode"	+
Support for Bluetooth, WI-FI	+
Date and clock	+
Sleep timer	+

**Control system:** remote control or mobile application.





**RECUPERATOR PRANA 210C ERP PRO**
**A<sup>+</sup> CE**


Diameter of the mounting hole, mm	≥220
Length of the working module, mm	≥490
Air exchange, m³/h	6/25/35/48/90/140*
Efficiency, %	up to 92
Noise 3m (Lpa3m), dBA	from 8
Ventilation consumption**, W·h	from 3,2
Full consumption***, W·h	91

\*Boost mode, an unregulated mode, is not recommended for continuous use.

\*\*Electrical power consumption of the fan drive, including any motor control equipment.




\*\*\*Total consumption of the appliance as standard.

Temperature sensor 1 - Supply air temperature **after** recovery, °C.

Temperature sensor 2 - Exhaust air temperature **before** recovery, °C.

Temperature sensor 3 - Supply air temperature **before** recovery, °C.

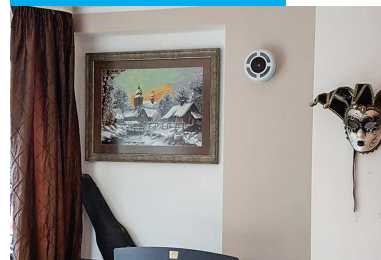
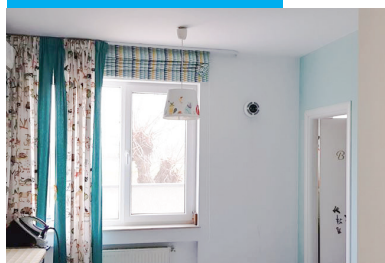
The technical characteristics of the ventilation system have been tested and confirmed in an independent testing laboratory IMQ S.p.A. according to international standard EN 13141-8:2014

**Control system:** remote control or mobile application.   

System configuration	PRANA - 210C ERP PRO
CO <sub>2</sub> eq sensor	+
Air quality sensor, VOC	+
Air humidity sensor	+
Temperature sensor 1, 2, 3	+
Atmospheric pressure sensor	+
Operating mode AUTO, AUTO PLUS	+
Separate control of the engines	+
Determining the status of the filter	+
Function "Mini - heating"	+
Function "Winter mode"	+
Support for Bluetooth, WI-FI	+
Date and clock	+
Sleep timer	+
Efficiency coefficient	+

**COMPLETED PROJECTS - DOMESTIC SPHERE**
**RESIDENTIAL BUILDING  
LITHUANIA**

**PRIVATE HOUSE,  
UK**

**APARTMENT,  
ITALY**

**PRIVATE HOUSE,  
ROMANIA**

**PRIVATE HOUSE,  
AUSTRIA**

**OFFICE,  
GEORGIA**


COMPARISON TABLE WITH THE CONFIGURATION OF HOUSEHOLD SYSTEMS

SYSTEM CONFIGURATION	STANDARD	ERP	ERP PRO
CO <sub>2</sub> eq sensor	-	-	+
Air quality sensor, VOC	-	-	+
Air humidity sensor	-	+	+
Temperature sensor 1	-	+	+
Temperature sensor 2	-	+	+
Temperature sensor 3	+	-	+
Atmospheric pressure sensor	-	+	+
Operating mode AUTO, AUTO PLUS	-	+	+
Separate motor control	+	+	+
Determination of the filter status	-	+	+
Function "Mini - heating"	+	+	+
Function "Winter mode"	+	+	+
Support for Bluetooth, WI-FI	+	+	+
Date and clock	+	+	+
Sleep timer	+	+	+
Efficiency coefficient	-	-	+

### MAIN FUNCTIONS:

#### "MINI-HEAT" FUNCTION

This function is designed to ensure correct operation of the system during the cold season. The use of the mini-heat" function protects the heat exchanger from icing and increases the supply air temperature to 3-4 °C in night mode.

#### "WINTER MODE" FUNCTION

This function is a set of operating algorithms that ensure reliable operation at low outside air temperature. Using the "winter mode" function provides drying the system after shutdown and warming up the system before starting in the cold season, which protects the fans from mechanical damage in case of condensed moisture freezing. The function is mandatory for use in conjunction with the "mini-heat" function when the outside air temperature is below +4 °C.

#### FUNCTION MODE "AUTO"

This mode is intended for automatic adjustment of the system performance in relation to the indicators of the humidity sensor, CO<sub>2</sub>eq and VOC air quality (depending on the configuration). Also, the use of the mode involves the automatic activation/deactivation of the "mini reheating" and "winter mode" functions according to the data received from the air temperature sensors.

#### FUNCTION "AUTO PLUS" MODE

The device operates according to algorithms similar to the "AUTO" mode, but with a limitation of performance to low noise load. This mode is recommended for use in rooms for rest and sleep.

#### TEMPERATURE SENSORS:

- 1 - **Supply** air temperature **after** recovery °C.
- 2 - **Exhaust** air temperature **before** recovery, °C.
- 3 - **Supply** air temperature **before** recovery, °C.

**A\***

- depends on the equipment

## RECUPERATOR PRANA 250



Diameter of the working module, mm	250
with thermal insulation, mm	260
Diameter of the mounting hole, mm (for wall mounting)	≥ 270
Supply air, m³/h	650
Exhaust, m³/h	610
Ventilation consumption**, W·h	from 20 to 120
Efficiency, %	74 - 51

\*\*Electrical power consumption of the fan drive, including any motor control equipment.

### Control system:

- a professional control unit, which already contains an adapter for the 220 V network;
- remote control;
- mobile app via Bluetooth.

The system provides for the possibility of installation indoors (indoor module) and in the wall (wall module). The ventilation system can be installed with or without the use of air ducts without using them.

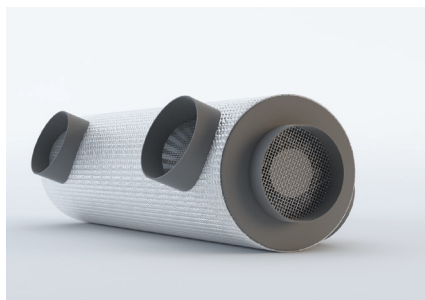
In order to ensure safe operating conditions in conditions of high humidity, the power supply of the of the PRANA-250 system from a direct current source with a voltage of +24 V.

### There are several modifications of PRANA-250

#### PRANA-250

Complete with a control unit:

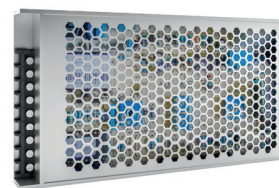
**CONTROL BLOCK PRANA-250** - a set of modules for mounting on a DIN rail, consisting of a sensor control unit and a power supply unit.



#### CONTROL BLOCK PRANA-250



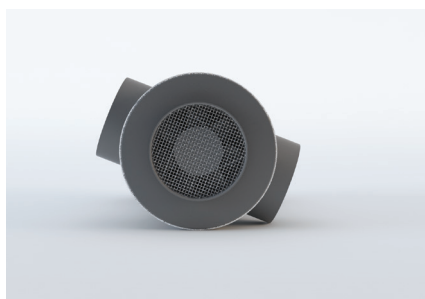
**power supply unit**  
(voltage converter 220V-24V)



#### PRANA-250+

Complete with a control unit:

**CONTROL BLOCK PRANA-250+** - system control block in a dust- and moisture-proof case with a mains switch.



#### CONTROL BLOCK PRANA-250+



#### PRANA-250++

Complete with a control unit:

**CONTROL BLOCK PRANA-250++** - control block in a dust- and moisture-proof housing with a mains switch and the possibility of controlling an electric heater (if available).

The radiator is available for additional order in the PRANA-250++ package.  
When ordering a block, it is recommended to specify the power of the heater.

#### CONTROL BLOCK PRANA-250++



- electric heater





## RECUPERATOR PRANA 340S



Diameter of the working module, mm	340
with thermal insulation, mm	350
Diameter of the mounting hole, mm (for wall mounting)	≥ 360
Supply air, m <sup>3</sup> /h	1100
Exhaust, m <sup>3</sup> /h	1020
Ventilation consumption**, W·h	from 80 to 380
Efficiency, %	78 - 48

\*\*Electrical power consumption of the fan drive, including any motor control equipment.

### Control system:

- a professional control unit, which already contains an adapter for the 220 V network;
- remote control;
- mobile app via Bluetooth.

The system provides for the possibility of installation inside the room (indoor module) and in the wall (wall module). Installation of the ventilation system can be installed with or without the use of air ducts without using them



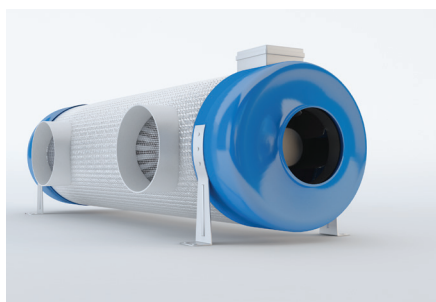
Since 2020, PRANA-340S has been equipped with professional control units 340S and 340S+, which contain a new transformer that stabilizes the power supply to the recuperator and significantly increases the service life of the engines. Also, the block contains the main buttons for controlling the recuperator and can be used instead of the remote control and mobile application.

### There are several modifications of PRANA-340S

#### PRANA-340S

Complete with a control unit:

**CONTROL BLOCK PRANA-340S** - a system control block in a dust- and moisture-proof housing with a mains switch.



#### CONTROL BLOCK PRANA-340S



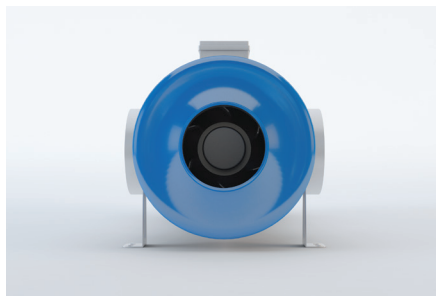
#### PRANA-340S+

Complete with a control unit:

**CONTROL BLOCK PRANA-340S+** - control block in a dust- and moisture-proof case with a mains switch and the ability to control an electric heater (if available).

The radiator is available for additional order in the PRANA-340S+ package.

When ordering a block, it is recommended to specify the power of the heater.



#### CONTROL BLOCK PRANA-340S+



- electric heater





Model	H150241	H150363	H200403	H200603
Power, kW	2,4	3,6	4	6
Number of phases	1	3	3	3
Number of heating elements x power, kW	2x1,2	3x1,2	2x2,0	3x2,0
Voltage, V	230	400	400	400
Current, A	5,2	5,2	8,7	8,7
The minimum required air consumption, m <sup>3</sup> /h	160	240	280	400
Diameter of the nozzle, mm	150	150	200	200

Available to order with Prana 250++ / Prana 340S+

### Duct heaters in the housing made of stainless steel

Duct heaters are designed for heating of clean supply air at temperature from -30°C to +50°C and relative humidity up to 80%, which enters the air supply system.

Duct heaters are component parts and cannot be used as standalone products and are not subject to autonomous operation. The product is designed for continuous operation without disconnection from the mains.

The air that is transported must not contain flammable or explosive mixtures, chemicals, or combustible or explosive mixtures, chemically active vapors, sticky substances, fibrous materials, coarse dust, soot, grease or media, that contribute to the formation of harmful substances (poison, dust, pathogens).

## COMPLETED PROJECTS - INDUSTRIAL SECTOR

Office center, PRANA Lviv



Cheese production workshop, Lviv



The premises of the pool, Ivano-Frankivsk region



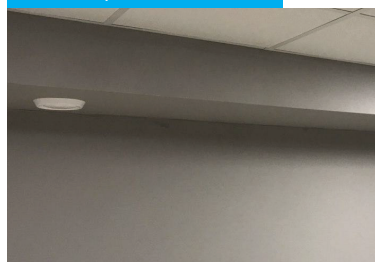
Office center, Lviv



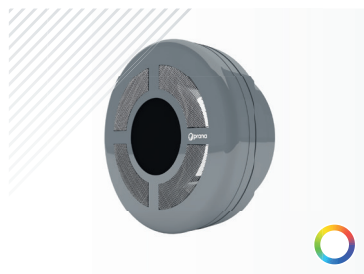
Salon of floors and doors, Lviv



Locker room of the stadium, Kharkiv



To improve the comfort and aesthetics of the PRANA household series recuperators the user can equip the recuperator with additional accessories.



### FRONT COVER

- **inner cover, made of plastic**  
At the request of the buyer, it can be painted in different colors according to the RAL color palette for harmonious combination with the interior of the room



### REAR COVER

- **is the outer cover, made of plastic**  
It is possible to paint of the accessory in different colors for a harmonious combination with the exterior of the building.



### FACADE DECORATIVE STAINLESS STEEL RING

- **ring made of stainless steel**  
designed to hide chips and defects when drilling, is mounted on the outside of the recuperator



### FACADE DECORATIVE PLEXIGLASS RING

- **a ring made of plexiglass**, designed for hiding chips and defects during drilling, is mounted on the outside of the recuperator



### WINDPROOF COVERS

- **external cover, made of stainless steel**, is designed to counteract against blowing of the system, **mounted on floors above the 4th floor and in places of intense winds**. Sometimes it is mounted in conjunction with a check valve



### CHECK VALVE

- **with a movable diaphragm**, designed to preventing changes in the direction of air flow. It serves as protection against system blowdown



### FILTER CLASS G2

**particles >10 microns**, fine sand, coal dust, cement dust, fly ash, textile fibers, mold spores, wood dust



### FILTER CLASS G4 + CARBON

**particles >5 microns**, milk powder, zinc oxide vogons, oil aerosol, fog, fine dust, automobile emissions, tobacco smoke, lead dust



### FILTER CLASS G3

**particles >10 microns**, plant pollen, spores, soot, plant fluff, coal mine dust, metallurgical coarse dust and fines

The air purification filter is reusable and requires periodic maintenance or replacement. The average service life of the filter is up to 4 weeks. We recommend using original PRANA filters.

PRANA filters for proper operation of the recuperator and to prevent damage to the recuperator.



### DOMESTIC SERIES



DRILL A HOLE OF THE REQUIRED DIAMETER WITH DIAMOND DRILLING



MOUNT RECUPERATOR INTO THE HOLE WITH MOUNTING FOAM OR ANOTHER SEAL



PRANA RECUPERATOR IS READY TO USE

The recuperator is mounted at the top of the wall adjacent to the street. Drill a through hole into the outdoor area using diamond drilling technology, wherein the working module is installed with foam sealant or another seal. Only ventilation grilles remain visible: one inside the premise and another one - on the facade.

To ensure the normal operation of the system, it is necessary that its body, which faces the street, protrude 1-2 cm beyond the wall to the beginning of the air intake. The working module is made in a length that corresponds to the thickness of the wall where the installation is planned.

The ventilation system is connected to a stationary electric network with 220 V voltage and 50 Hz frequency.

### INDUSTRIAL SERIES



Ventilation system of the industrial series, which are designed for free installation inside premises, are bracketed or clamped to the load bearing surface.

Connect the exhaust and supply air ducts to the ventilation system in accordance with the ventilation system design.

If the working module is designed for installation in the wall, it is necessary to drill a through hole of the required diameter at the top of the wall adjacent to the outside with 2-3 deg. inclination to the outside direction. The working module is installed in the hole with mounting foam or another seal.

In order to ensure correct operation of the ventilation system, it is necessary to have its output socket (on the outside) extending beyond the wall for such a distance to provide free inflow / exhaust through the ventilation duct on the housing.

## TECHNICAL CHARACTERISTICS OF VENTILATION SYSTEMS WITH PRANA RECOVERY

Product name	capacity, m <sup>3</sup> /h		Diameter mounting hole, mm	consumption, W·h		EFFICIENCY, %	Noise 3m (Lpa3m), dBA
				ventilation	full		
<b>household series</b>							
Prana 160	5/14/21/32/52/70*		≥162	from 3,2	74	up to 98	from 8
Prana 210G	5/20/28/38/65/85*		≥220	from 3,2	74	up to 97	from 8
Prana 160 <b>ERP</b>	5/14/21/32/52/70*		≥162	from 3,2	74	up to 98	from 8
Prana 210G <b>ERP</b>	5/20/28/38/65/85*		≥220	from 3,2	74	up to 97	from 8
Prana 160 <b>ERP PRO</b>	5/14/21/32/52/70*		≥162	from 3,2	74	up to 98	from 8
Prana 210G <b>ERP PRO</b>	5/20/28/38/65/85*		≥220	from 3,2	74	up to 97	from 8
Prana 210C	6/25/35/48/90/140*		≥220	from 3,2	91	up to 92	from 8
Prana 210C <b>ERP</b>	6/25/35/48/90/140*		≥220	from 3,2	91	up to 92	from 8
Prana 210C <b>ERP PRO</b>	6/25/35/48/90/140*		≥220	from 3,2	91	up to 92	from 8
<b>industrial series</b>							
	inflow	exhaus					
Prana 250 / Prana 250+ / Prana 250++ **	80-650	70-610	≥270	20 - 120	*	74 - 51	19 - 59
Prana 340S / Prana 340S+ **	110-1100	100-1020	≥360	80 - 380	*	78-48	to 52

\* Boost mode, an unregulated mode, is not recommended for continuous use.

\*\* Prana 250 / Prana 250+ / Prana 250++ differ in the control system.



Key Account Energy Manager di Prana Italia  
**FISCHETTO ANTONIO**

+393403995835

Business Development Manager in Malta  
**CAMISOTTO VINCENZO**

+35677535674