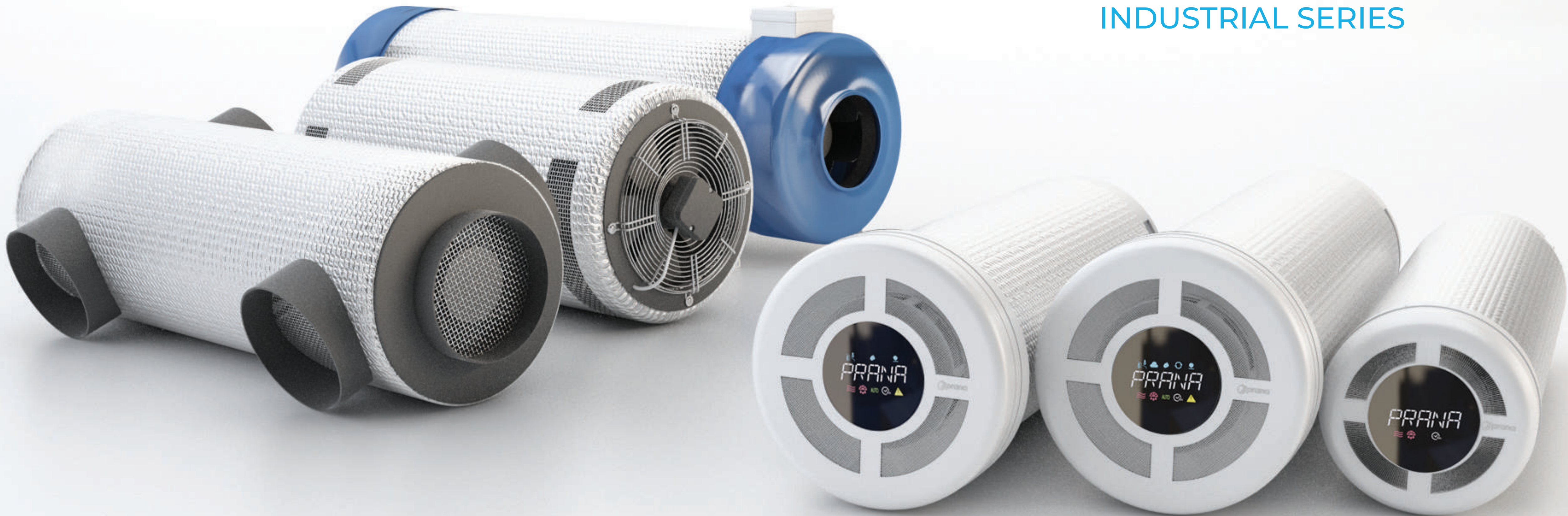




## SUPPLY AND EXHAUST VENTILATION SYSTEM WITH HEAT RECOVERY

FOR ALL TYPES OF PREMISES

DOMESTIC SERIES  
INDUSTRIAL SERIES



## ABOUT THE COMPANY



**PRANA** – the author and producer of modern technologies in the preservation and energy efficiency sector. For 15 years the complex power-energy solutions of the ventilation under PRANA trademark have been bringing comfort and are saving users' money all over the world.

At present the company produces the forth generation of air recuperators based on a copper heat-exchange unit. The climatic laboratory is at PRANA engineers' disposal. It enables the development and introduction on the market new timetested models.

A team of engineers, designers and electrical technicians has been constantly improving the existing and developing new models of the recuperators. Own manufacture of the whole cycle enables the production of the necessary amount of equipment within the shortest possible period of time.

The Company is always ready to offer individual solutions of the ventilation to be used under different environmental conditions in the premises of various designated use including offices, schools, kindergartens, medical institutions and gyms, swimming pools, shopping and entertainment malls, hotels, industrial facilities, apartments and residential houses.





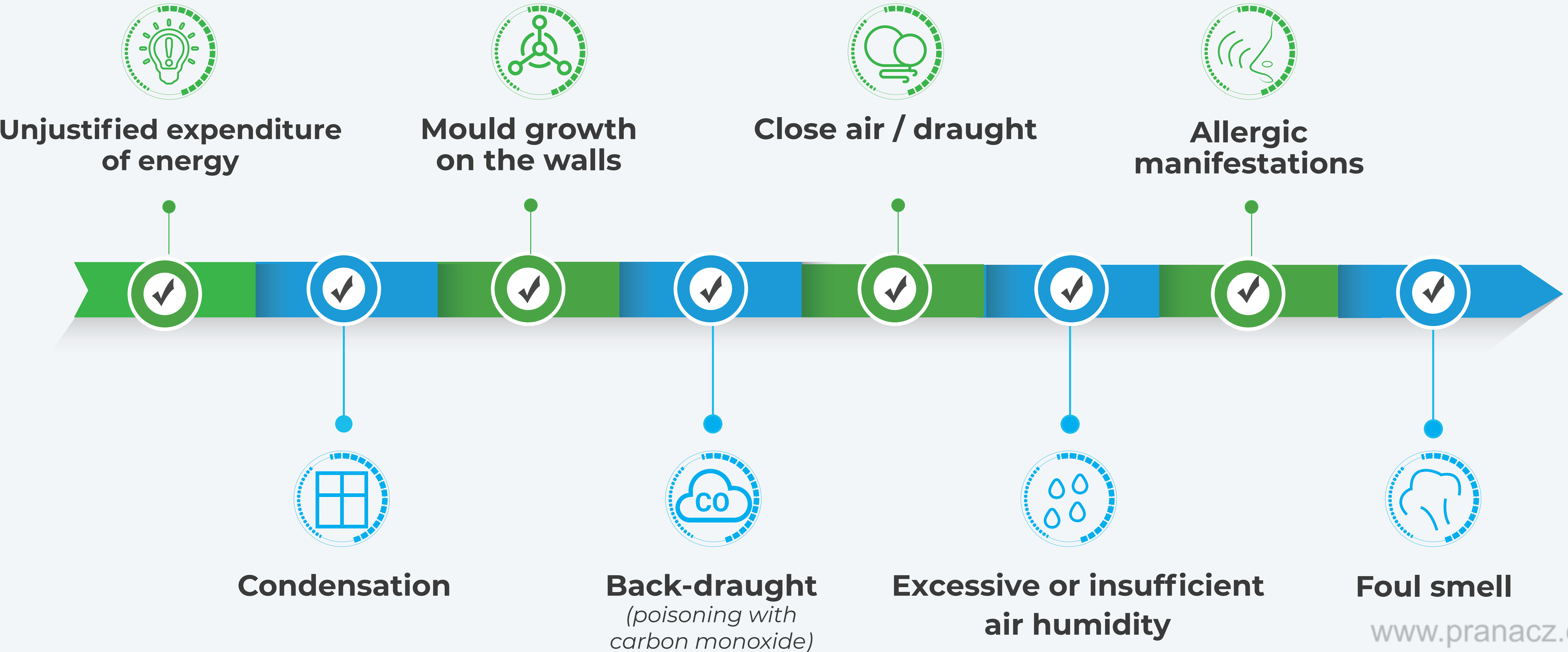
## ABOUT THE COMPANY

Modern people spend about 80 % of their time indoor. Every day we are surrounded by many chemical and biological factors which are destructive to health: excessive humidity, dust, toxic discharges to the atmosphere of the construction materials, household chemicals, allergenic agents, mould growth on the walls.

Natural ventilation, foreseen by the construction of the building and opening the windows, result in substantial expenditure of energy and are often insufficient to provide good air circulation in the premises.

In such cases you may take an advantage of assisted (mechanical) type of ventilation with heat recuperation (recuperator).

# RISKS AND CONSEQUENCES OF IMPROPER VENTILATION

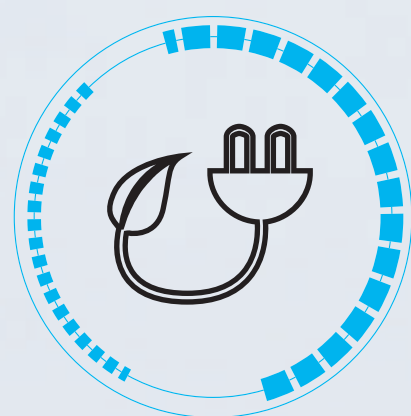




## MODERN SOLUTION – DECENTRALIZED SUPPLY & EXHAUST VENTILATION SYSTEM WITH HEAT / COLD RECUPERATION



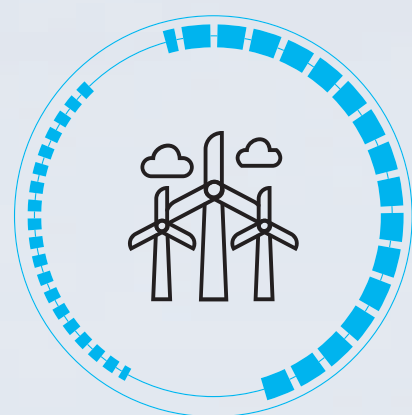
User-friendly remote control  
of the recuperator (by  
means of panel or  
smartphone application)



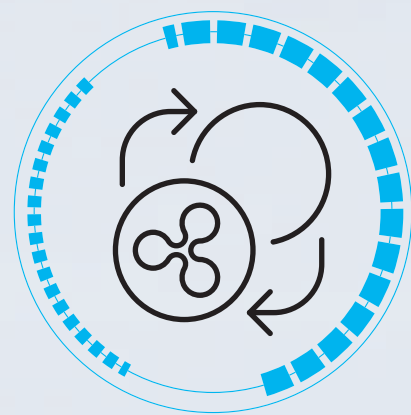
Preservation of power  
resources (heat / coolness  
inside the premises)



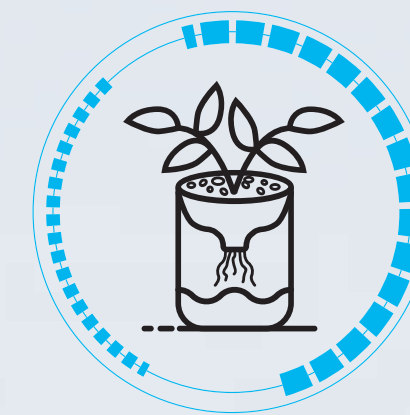
Removal of excessive  
humidity in the premises



Permanent fresh air intake  
and removal of the return  
air

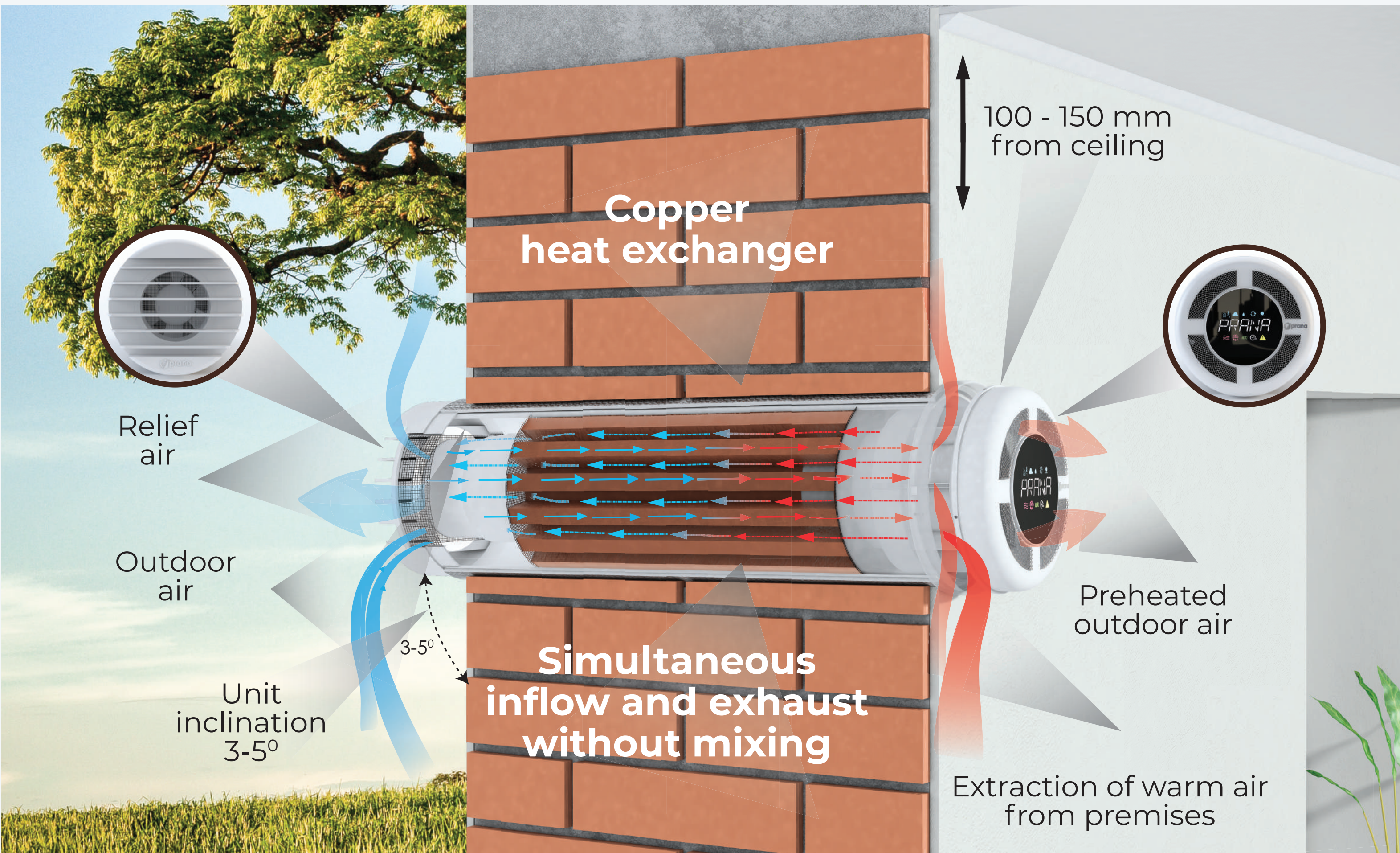


Air flow inside  
(convection)



Healthy indoor  
environment

# PRANA RECUPERATOR IS A SUPPLY & EXHAUST VENTILATION SYSTEM



## RECUPERATOR OPERATING PRINCIPLE

Warm return air removed from the premises while passing through the copper heat - exchange unit transfers heat to the approach flow of fresh air from outside, which provides energy efficiency of the system at all times of the year.

The recuperator demonstrates a persistently high energy conversion efficiency up to 96 % due to its unique construction of the copper heat-exchange unit.

High-quality air change in the premises not only enriches the air with oxygen, but also creates the necessary air flow in the premises, which makes the formation of mould and fungi impossible.

The recuperator installation procedure takes up to two hours without breaking the repair. Comfortable unit operation control is carried out by means of remote control panel or smartphone application.

## RECUPERATOR REMOTE CONTROL FROM THE SMARTPHONE

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PRANA is constantly improving the construction and optimizing the work of recuperators, changing the customer's vision of high - quality ventilation.

Comfort and user-friendliness of PRANA ventilation system make the operation of the recuperators easy-to-use and accessible for every user.

Control over permanently installed units and lost remote control panels - in times past. The official Prana Remote Control smartphone application makes the control over the microclimate of the house / apartment easy and unconstrained.

Prana Remote Control smartphone application affords the opportunity to switch over the operation mode, change the speed of air exchange and brightness of the indication, switch on such additional functions as "sleeping timer", "minifinish heating up", "ventilation" etc.



# ENERGY EFFICIENCY = ECONOMY

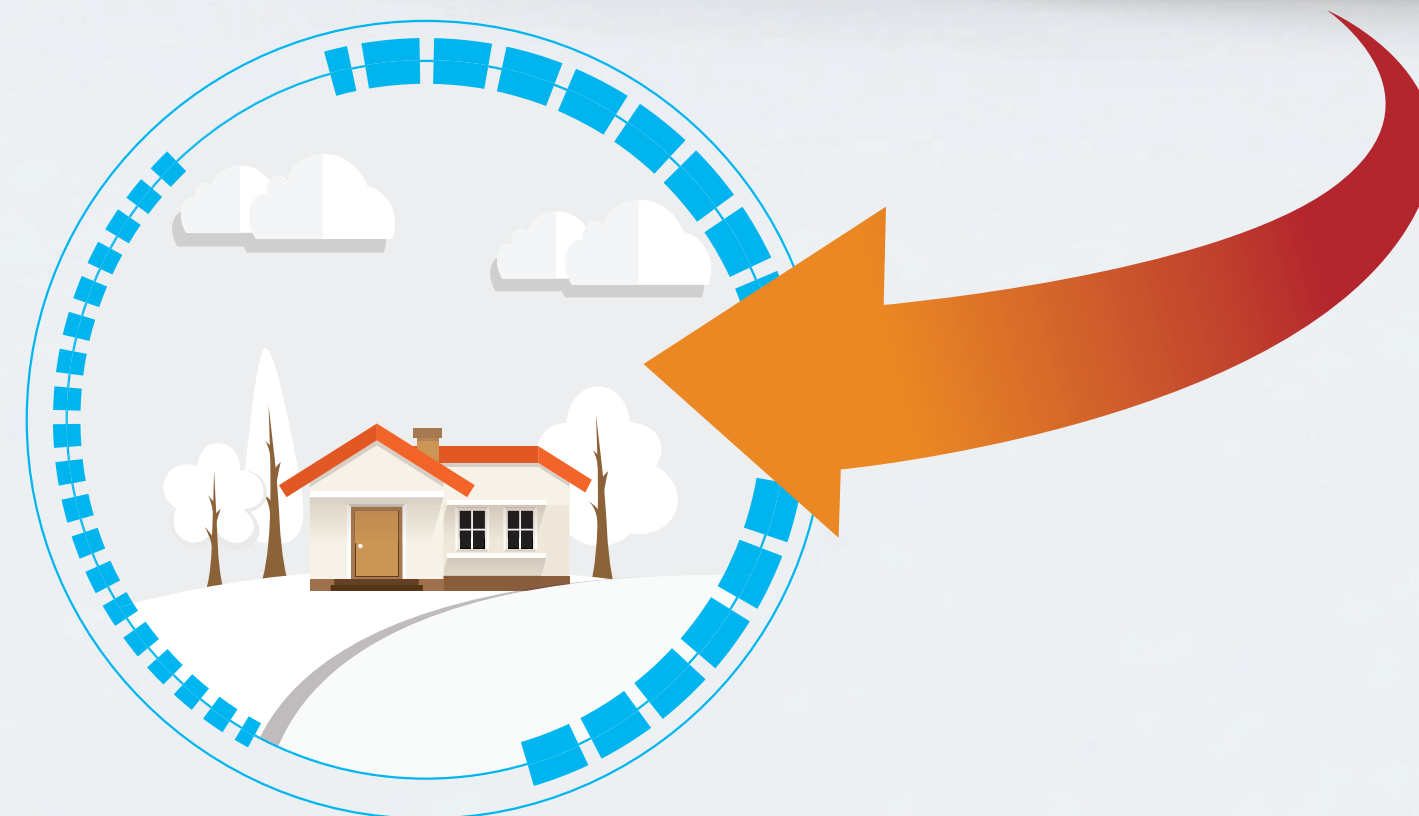
Often looking for the ways to save the heat people turn their houses into “thermoses”. However, the global trend related to heat insulation of house fronts has the adverse effects: risk of excessive humidity of premises, lowering of the air exchange indicators, and as a result – increase of level of air pollution with combustion products, evaporation, CO<sub>2</sub>, dangerous for human health components of the contraction materials and household chemicals. Natural air exchange by opening the windows results in heat leakage, however, is unable to solve this problem. PRANA recuperator provides permanent fresh air intake and removal of the return air. A construction of the heat - exchange unit ensures up to 96 % of heat conservation in the premises.



*In summer*

The cost of cold air (conditioning) on the average double exceeds the cost of warm air. However, the air conditioning equipment only cools circle-wise the air available in the premises. Filters, installed inside the air conditioning equipment become dirty because of dust, plant pollen, and bacteria, consequently in some time, people feel queer, suffer from headache, difficulties with breathing. The next step – opening the windows, where together with the return air goes so valuable (costly) coolness. As a result, there arises a need to turn on the air conditioner again. The paired work of PRANA recuperator and the air conditioner allows providing the premises with fresh outdoor air preserving pleasant coolness inside the premises.

*In winter*





# PRANA – VENTILATION FOR ALL TYPES OF PREMISES

**HOUSE**

**OFFICE**

**SWIMMING POOL**

**FARM**

**SCHOOL**

**HOTEL**

**GYM**

**PRODUCTION FACILITIES**

200C

250

340S

# “STANDARD”

A+

## PRANA - 150



Diameter of the working module, mm	150
with thermal insulation, mm	160
Diameter of the mounting hole, mm	≥162
Energy conversion efficiency	95 %
Supply m <sup>3</sup> /h	105
Exhaust m <sup>3</sup> /h	97
Energy consumption, Wh recuperator	4-17
“mini-after-heating”	51

European certificate of quality



A+

## PRANA - 200G



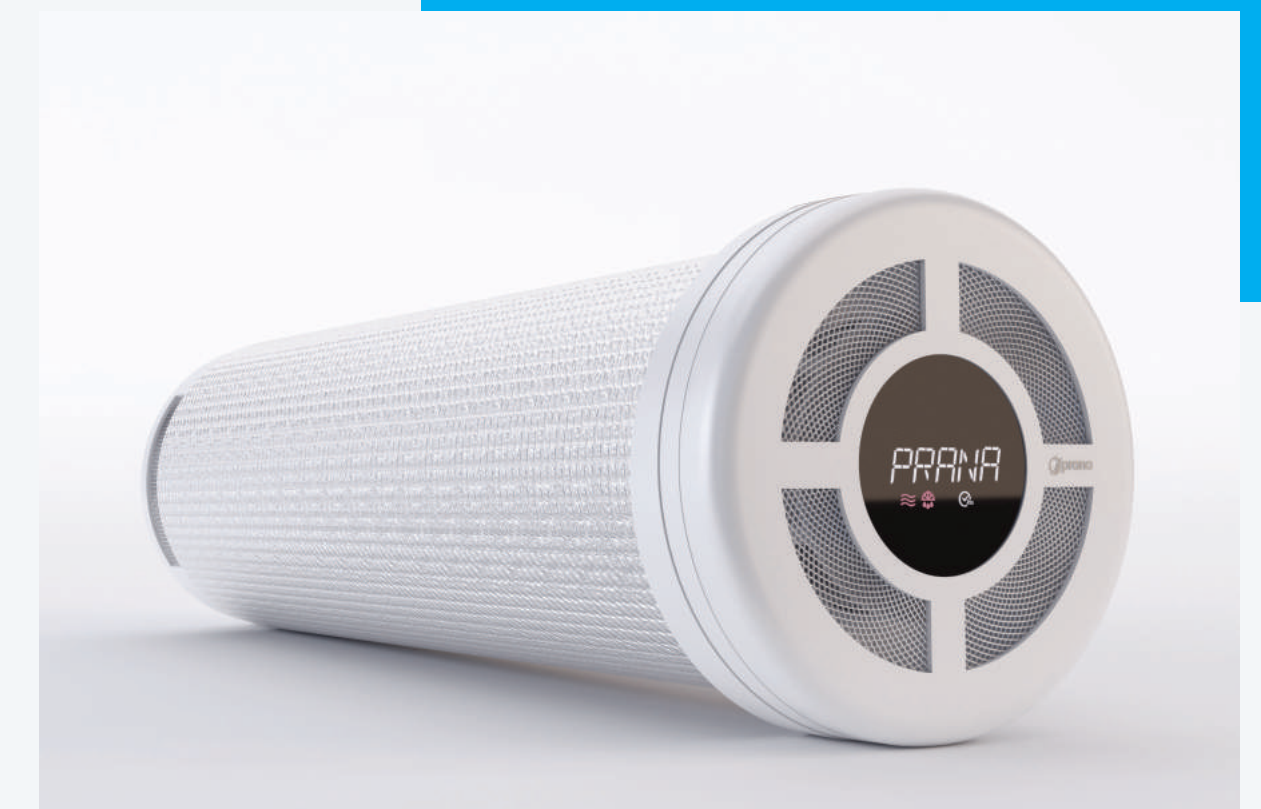
Diameter of the working module, mm	200
with thermal insulation, mm	210
Diameter of the mounting hole, mm	≥215
Energy conversion efficiency	96 %
Supply m <sup>3</sup> /h	108
Exhaust m <sup>3</sup> /h	100
Energy consumption, Wh recuperator	4-17
“mini-after-heating”	51

European certificate of quality



A+

## PRANA - 200C



Diameter of the working module, mm	200
with thermal insulation, mm	210
Diameter of the mounting hole, mm	≥215
Energy conversion efficiency	93 %
Supply m <sup>3</sup> /h	185
Exhaust m <sup>3</sup> /h	177
Energy consumption, Wh recuperator	4-35
“mini-after-heating”	56

European certificate of quality



# “ERP”

A+

## PRANA - 150 ERP



Diameter of the working module, mm	150
with thermal insulation, mm	160
Diameter of the mounting hole, mm	≥162
Energy conversion efficiency	95 %
Supply m <sup>3</sup> /h	105
Exhaust m <sup>3</sup> /h	97
Energy consumption, Wh recuperator	4-17
“mini-after-heating”	51

European certificate of quality



A+

## PRANA - 200G ERP



Diameter of the working module, mm	200
with thermal insulation, mm	210
Diameter of the mounting hole, mm	≥215
Energy conversion efficiency	96 %
Supply m <sup>3</sup> /h	108
Exhaust m <sup>3</sup> /h	100
Energy consumption, Wh recuperator	4-17
“mini-after-heating”	51

European certificate of quality



A+

## PRANA - 200C ERP



Diameter of the working module, mm	200
with thermal insulation, mm	210
Diameter of the mounting hole, mm	≥215
Energy conversion efficiency	93 %
Supply m <sup>3</sup> /h	185
Exhaust m <sup>3</sup> /h	177
Energy consumption, Wh recuperator	4-35
“mini-after-heating”	56

European certificate of quality



# “ERP PRO”

A+

## PRANA - 150 ERP PRO



Diameter of the working module, mm	150
with thermal insulation, mm	160
Diameter of the mounting hole, mm	≥162
Energy conversion efficiency	95 %
Supply m <sup>3</sup> /h	105
Exhaust m <sup>3</sup> /h	97
Energy consumption, Wh recuperator	4-17
“mini-after-heating”	51

European certificate of quality 

A+

## PRANA - 200G ERP PRO



Diameter of the working module, mm	200
with thermal insulation, mm	210
Diameter of the mounting hole, mm	≥215
Energy conversion efficiency	96 %
Supply m <sup>3</sup> /h	108
Exhaust m <sup>3</sup> /h	100
Energy consumption, Wh recuperator	4-17
“mini-after-heating”	51

European certificate of quality 

A+

## PRANA - 200C ERP PRO



Diameter of the working module, mm	200
with thermal insulation, mm	210
Diameter of the mounting hole, mm	≥215
Energy conversion efficiency	93 %
Supply m <sup>3</sup> /h	185
Exhaust m <sup>3</sup> /h	177
Energy consumption, Wh recuperator	4-35
“mini-after-heating”	56

European certificate of quality 

# INDUSTRIAL SERIES OF PRANA RECUPERATORS



Diameter of the working module, mm	250
Diameter of the mounting hole, mm	260
Energy conversion efficiency	74-51 %
Supply m <sup>3</sup> /h	650
Exhaust m <sup>3</sup> /h	610
Energy consumption, Wh	20-120

European certificate of quality **CE**



Diameter of the working module, mm	340
Diameter of the mounting hole, mm	350
Energy conversion efficiency	78-54 %
Supply m <sup>3</sup> /h	540
Exhaust m <sup>3</sup> /h	520
Energy consumption, Wh	30-110



Diameter of the working module, mm	340
Diameter of the mounting hole, mm	350
Energy conversion efficiency	78-48 %
Supply m <sup>3</sup> /h	1100
Exhaust m <sup>3</sup> /h	1020
Energy consumption, Wh	80-310

European certificate of quality **CE**

# IMPLEMENTED PROJECTS OF ROOM VENTILATION

RESIDENTIAL HOUSE



SHOP



APPARTEMENT



KINDERGARTEN



OFFICE



GYM



DENTISTRY



HOSPITAL ROOM



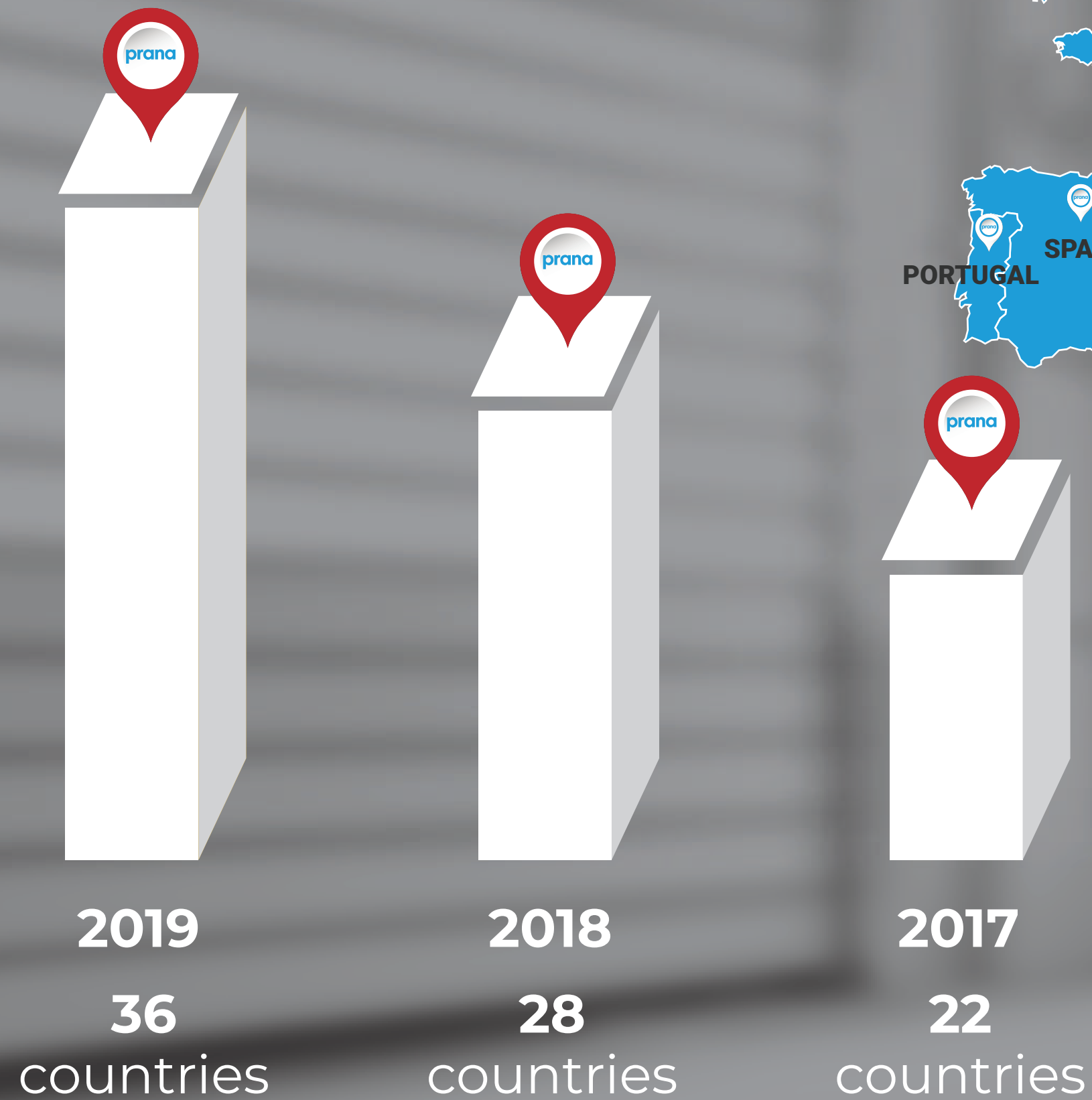
DESIGN STUDIO



SCHOOL



# PRANA WORLDWIDE\*

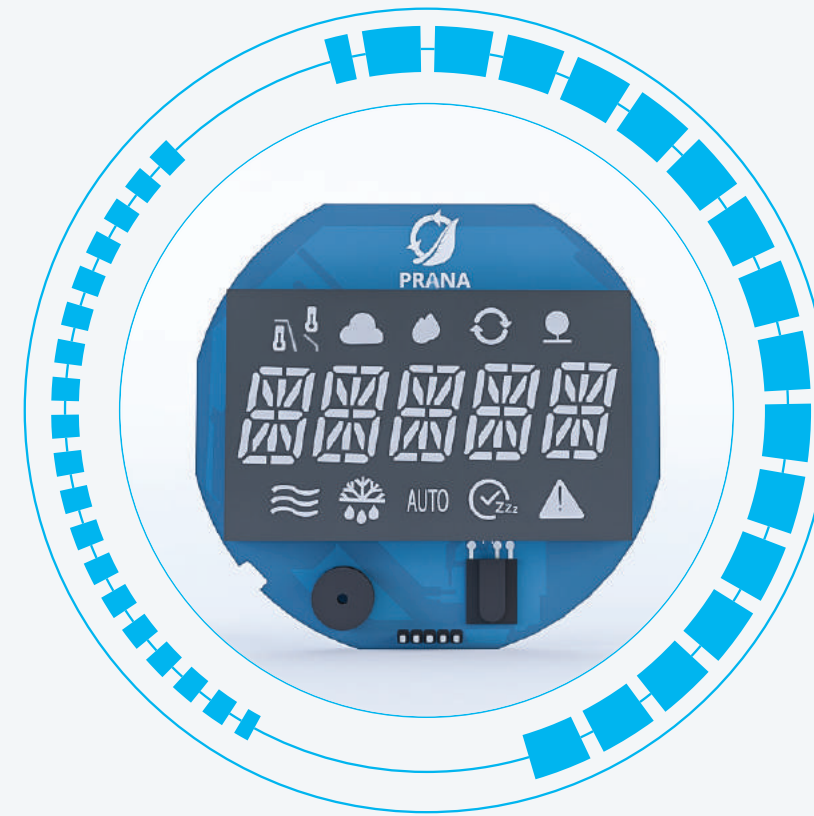


\* official network of dealers

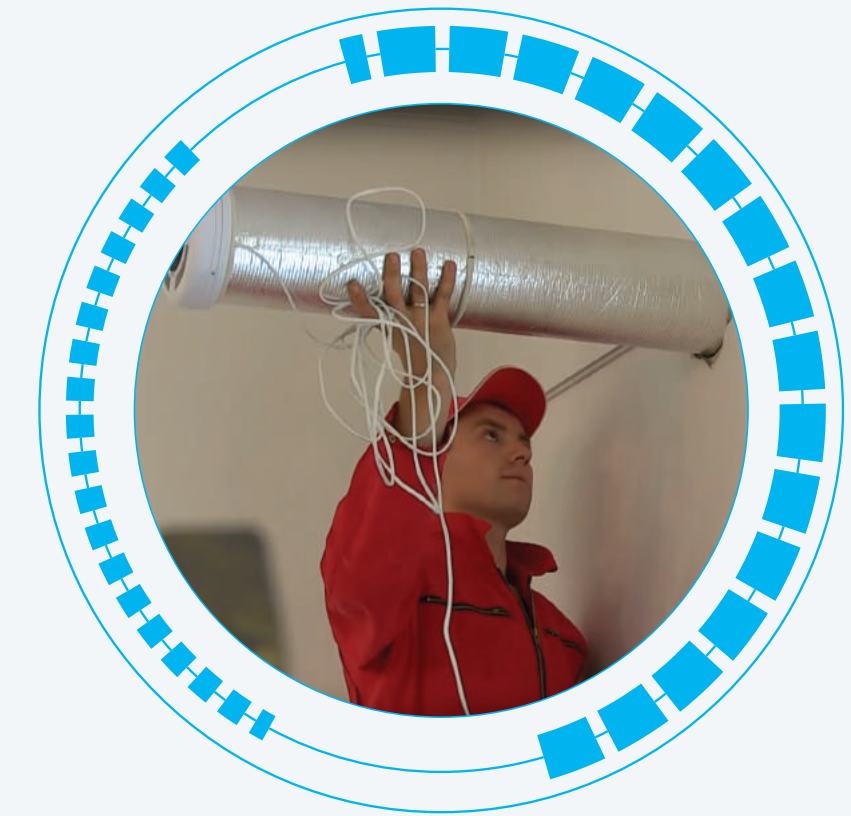
# WE OFFER



LOYAL POLICY  
TO PARTNERS



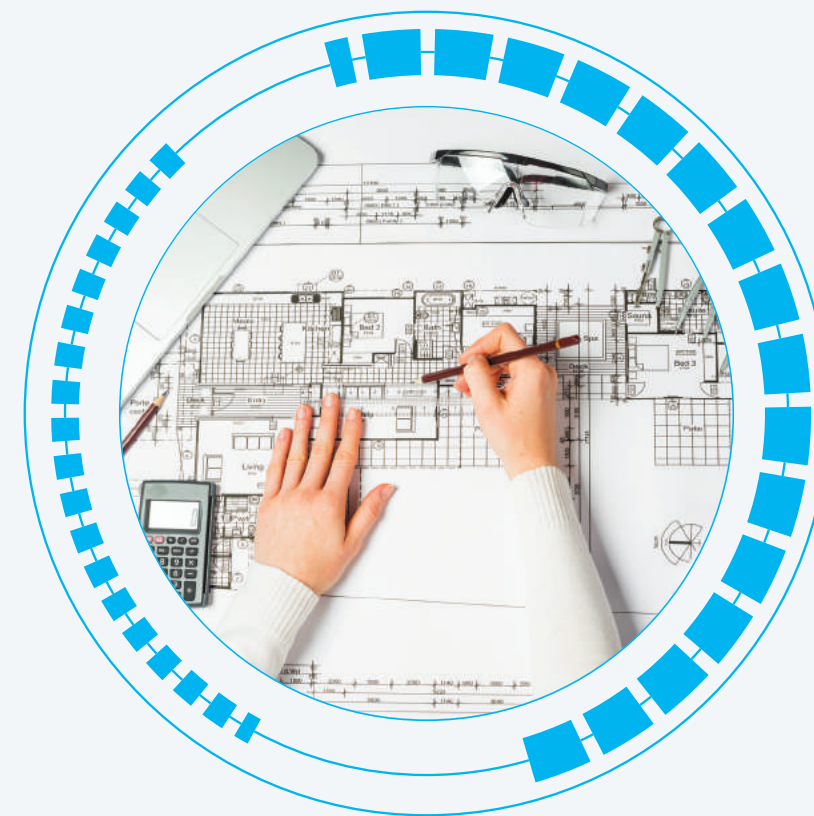
TECHNICAL SUPPORT  
OF ENGINEERS



SERVICE  
SUPPORT



INDIVIDUAL  
PRODUCTION

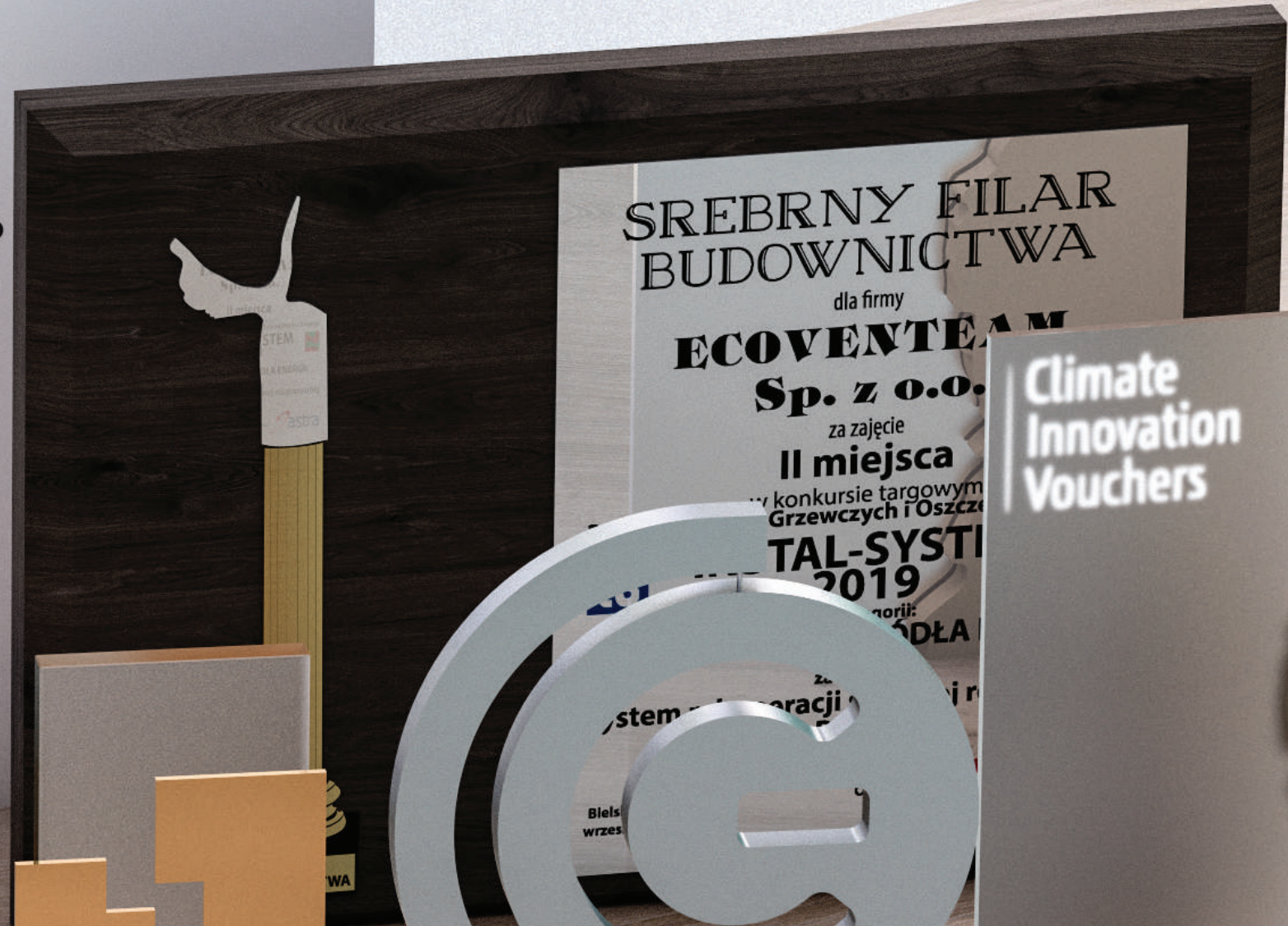


PROJECT  
DEPARTMENT



MANUFACTURER  
WARRANTY







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