



PRODUCT CATALOG

2020



CLIMTEC

climtec.ua

Ukrainian manufacturer of energy-saving
household and industrial ventilation equipment

KLIM-TEK LLC is a Ukrainian developer and manufacturer of supply and exhaust ventilation systems with heat recovery, covering the ventilation needs of premises of 8 m² or more.

Climtec recuperators allow you to ventilate the room, maintaining the optimum temperature, regardless of what it is outside. The recuperator simultaneously removes exhaust and supplies fresh air. Due to the heat exchange between the exhaust and supply air, the room temperature is maintained and the humidity is normalized.

Thanks to these properties the recuperator is the irreplaceable and compact decision of ventilation of rooms of any value.

The main advantage of recuperators is their compactness, low cost and ease of installation in contrast to, for example, centralized ventilation systems. All you have to do is make a hole of the required diameter in the wall adjacent to the street and install a recuperator. The whole process usually takes no more than two hours and does not harm the appearance of the room, harmoniously fitting into the existing design.

Climtec recuperators are:

-
- | | |
|---|---------------------------------|
| ◆ fresh and clean air | ◆ health and well-being |
| ◆ no mold | ◆ high productivity |
| ◆ protection of the building from destruction | ◆ energy efficiency and savings |
-

Climtec™ is responsible for the production of recuperators and ventilation systems.

That is why Climtec™ recuperators have achieved a high level of quality and are valued for energy efficiency, environmental friendliness and care for fresh air.

The principle of operation of the Climtec recuperator

The Climtec recuperator removes exhaust air from the room, keeping warm in winter or cool in the heat, while filling it fresh from the street.

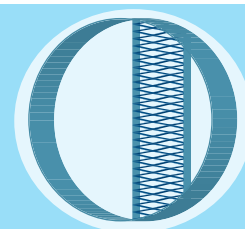


The air flows are not mixed, but move in different channels of the heat exchanger. Due to this, the temperature is transferred from the exhaust air to the supply (recuperation). Due to this, the energy efficiency of recovery is up to 93%.



The non-oxidizing aluminum heat exchanger operates in a wide temperature range, and the oxide film prevents oxidation and in turn mold. The design of the heat exchanger provides a large area of heat exchange.

The specially developed TEN of heating of air supports a comfortable microclimate of the room even in the most severe frosts. The heating element is located after the heat exchanger and heats the already heated air, thanks to which it has the maximum heating efficiency with a small consumer power of the heater.



If necessary, the air flows can be completely blocked. The flow blocking valve prevents blowing, drafts and noise. It also eliminates the possibility of freezing the recuperator at extremely low temperatures.

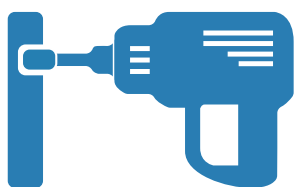
WHY RECUPERATORS?

Decentralized ventilation systems are much more profitable than centralized ones. This is due to the more compact size, ease of installation and maintenance.

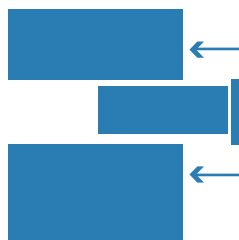
Apartments and private homes, schools and kindergartens, gyms, offices and industrial premises - recuperators can be installed almost anywhere without the need to design complex ventilation systems.

Climtec recuperators are recommended to be installed in the upper part of the wall adjacent to the street. At the same time the optimum distance from a ceiling is recommended about 30 cm: there recuperators can carry out ventilation as much as possible effectively.

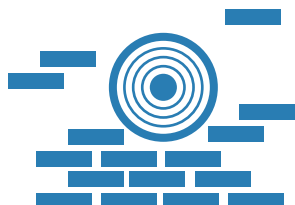
The process of installing the Climtec™ recuperator



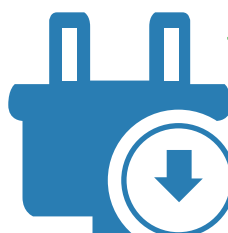
- 1 A hole with a diameter corresponding to the recuperator is drilled with a diamond crown for drilling in the outer wall of the room, with a slope of 3-5° towards the street.



- 2 A recuperator is installed in the hole, after which the space between the housing of the working module and the wall is filled with mounting foam to avoid voids through which cold air can penetrate.



- 3 Outside, only the ventilation grilles remain on the wall: one indoors, the other on the facade. To ensure the normal operation of the ventilation system, it is necessary that its outlet (on the street) protrudes beyond the wall at a distance of at least 10 mm



- 4 The contact terminals are connected to the mains by means of a power cable in accordance with the passport.


RD-100 Base

Diameter of the working module without insulation, mm	100
Mounting hole diameter	112
Voltage, V	220/230
Air flow shut off valve	Manual
Supply/extract air exhaust at maximum power, m ³ /hour	40/40
Air purification filter (G3)	-
Efficiency, %	up to 93
Heating element power for air heating, W / h	-


RD-100 Standart

Diameter of the working module without insulation, mm	100
Mounting hole diameter	112
Voltage, V	220/230
Air flow shut off valve	Auto
Supply/extract air exhaust at maximum power, m ³ /hour	40/40
Air purification filter (G3)	-
Efficiency, %	up to 93
Heating element power for air heating, W / h	-


RD-125 Base

Diameter of the working module without insulation, mm	125
Mounting hole diameter	142
Voltage, V	220/230
Air flow shut off valve	Manual
Supply/extract air exhaust at maximum power, m ³ /hour	60/60
Air purification filter (G3)	-
Efficiency, %	up to 93
Heating element power for air heating, W / h	-


RD-125 Standart

Діаметр робочого модуля без утеплювача, мм	125
Mounting hole diameter	142
Voltage, V	220/230
Air flow shut off valve	Auto
Supply/extract air exhaust at maximum power, m ³ /hour	60/60
Air purification filter (G3)	+
Efficiency, %	up to 93
Heating element power for air heating, W / h	50


RD-150 Base

Diameter of the working module without insulation, mm	150
Діаметр монтажного отвору, мм	162
Voltage, V	220/230
Air flow shut off valve	Manual
Supply/extract air exhaust at maximum power, m ³ /hour	100/100
Air purification filter (G3)	-
Efficiency, %	up to 93
Heating element power for air heating, W / h	-


RD-150 Standart

Diameter of the working module without insulation, mm	150
Діаметр монтажного отвору, мм	162
Voltage, V	220/230
Air flow shut off valve	Автомат
Supply/extract air exhaust at maximum power, m ³ /hour	100/100
Air purification filter (G3)	+
Efficiency, %	up to 93
Heating element power for air heating, W / h	130


RD-200 Base

Diameter of the working module without insulation, mm	200
Mounting hole diameter	216
Voltage, V	220/230
Air flow shut off valve	Manual
Supply/extract air exhaust at maximum power, m ³ /hour	185/185
Air purification filter (G3)	-
Efficiency, %	up to 93
Heating element power for air heating, W / h	-


RD-200 Standart

Diameter of the working module without insulation, mm	200
Mounting hole diameter	216
Voltage, V	220/230
Air flow shut off valve	Auto
Supply/extract air exhaust at maximum power, m ³ /hour	185/185
Air purification filter (G3)	+
Efficiency, %	up to 93
Heating element power for air heating, W / h	300


RD-200+ Base

Diameter of the working module without insulation, mm	200
Mounting hole diameter	216
Voltage, V	220/230
Air flow shut off valve	Manual
Supply/extract air exhaust at maximum power, m ³ /hour	240/240
Air purification filter (G3)	-
Efficiency, %	up to 93
Heating element power for air heating, W / h	-


RD200+ Standard

Diameter of the working module without insulation, mm	200
Mounting hole diameter	216
Voltage, V	220/230
Air flow shut off valve	Auto
Supply/extract air exhaust at maximum power, m ³ /hour	240/240
Air purification filter (G3)	+
Efficiency, %	up to 93
Heating element power for air heating, W / h	300


RDC-250 Base

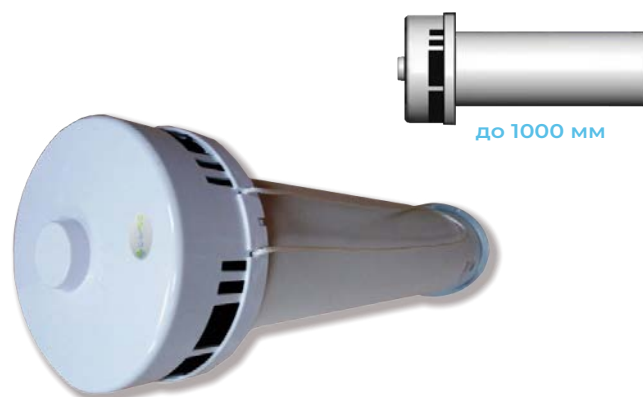
Diameter of the working module without insulation, mm	250
Mounting hole diameter	300
Voltage, V	220/230
Supply/extract air exhaust at maximum power, m ³ /hour	600
Efficiency, %	up to 87


РДЦ-250 Standart

Diameter of the working module without insulation, mm	250
Mounting hole diameter	300
Voltage, V	220/230
Supply/extract air exhaust at maximum power, m ³ /hour	600
Efficiency, %	до 87
Heating element power for air heating, W / h	600


RDC-350

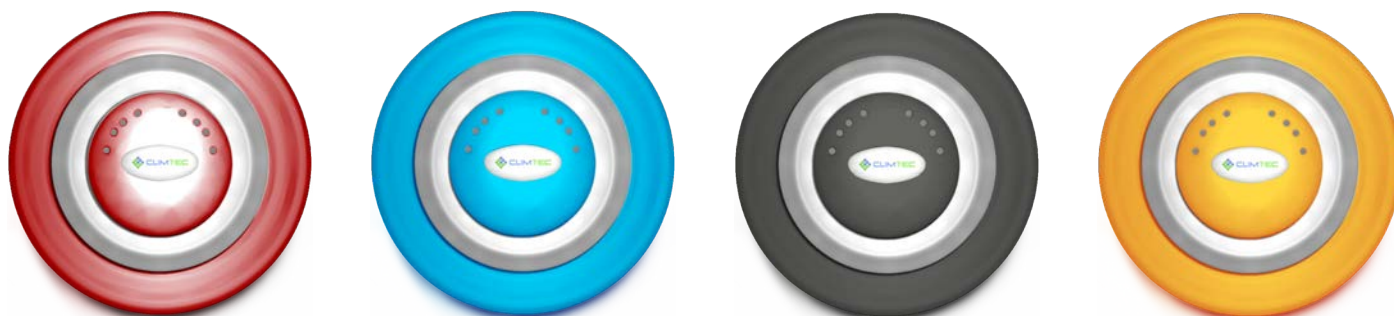
Diameter of the working module without insulation, mm	315
Mounting hole diameter	335
Voltage, V	220/230
Supply/extract air exhaust at maximum power, m ³ /hour	1000
Efficiency, %	up to 87


**Charge valve
Climtec PK 100 and Climtec PK 125**

Diameter of the working module, mm	112/112
Air purification filter (G3)	+

Passive supply valves (ventilators) are a modern replacement for through ventilation in the wall and perform the function of passive ventilation. No need to supply power greatly expands the installation space and is an excellent budget solution for rooms that are more loyal to the technical conditions of operation and ventilation.

Individual solutions for recuperators RD series: Selection of any color at the request of the customer



Expansion of inflow and extraction, elongation and use of the rotary module.

TECHNICAL CHARACTERISTICS OF CLIMTEC RECOVERY VENTILATION SYSTEMS

Product name	The volume of air exchange during recovery, m ³ / h		DIAMETR	Recommended area, m ² / number of people in the room	Power consumption, W / h, min / max / standby mode	Efficiency, %	Control system	Noise level, dB, min-max
	Supply	Extract						
RD 100 Base	40	40	100	15/2	0/7	up to 93	Switch	32
RD 100 Stantart	40	40	100	15/2	3,4/7/0.5	up to 93	Remote	22/32
RD 125 Base	60	60	125	25/5	3/9/0.5	up to 93	Switch	38
RD 125 Stantart	60	60	125	25/5	3/9/0.5	up to 93	Remote or stationary	22/38
RD 150 Base	100	100	150	40/5	9/25/0.5	up to 93	Stationary	38
RD 150 Stantart	100	100	150	40/5	9/25/0.5	up to 93	Remote or stationary	22/38
RD 200 Base	185	180	200	70/6	11/21/0.25	up to 93	Stationary	32
RD 200 Stantart	185	185	200	70/6	11/21/0.5	up to 93	Remote or stationary	22/32
RD 200+ Base	240	240	200	90/8	11/30/0.5	up to 93	Stationary	32
RD 200+ Stantart	240	240	200	до 90/8	11/30/0.5	up to 93	Remote or stationary	22/32
RDC 250 Base	600	600	250	100/10	max 160/0.6	up to 87	Switch or rheostat	48
RDC 250 Standart	600	600	250	100/20	max160/0.6	up to 87	Remote control	45-48
RDC 350	1000	1000	315	130/17	max 560/2.5	up to 87	Switch or rheostat	45-48



Product quality is confirmed by certificates and meets the standards of the European Union



CLIMTEC РД -100



CLIMTEC РД -150



CLIMTEC РД -200



РДЦ -250/350



Climtec™ recuperators have stood the test of time and received high quality marks from customers who already use the brand's decentralized ventilation systems.



MAIN TASKS WITH WHICH CLIMTEC™ RECUPERATORS SUCCESSFULLY COPE

VENTILATION

dust protection
and foreign odors

HEALTH CARE

protection against mold
and its warning

ENERGY SAVING

savings
during ventilation