



Energy saving household
and industrial ventilation
equipment



2023

PRODUCT
CATALOGUE

CLIM-TEC LTD 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.

Due to these properties the recuperator is the irreplaceable and compact solution of ventilation of rooms of any volume.

The main advantage of recuperators is their compact size, 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 |
-

The Climtec™ company responsibly relates to the production of heat exchangers 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.

Climtec recuperator operation principle

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

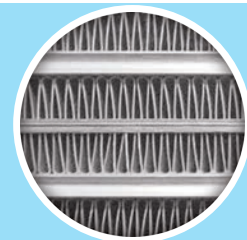


The air flows are not mixed, but move in different channels of the heat exchanger. Due to this, the temperature is transferred from exhaust to supply air (recuperation effect). Due to this, the energy efficiency of heat recovery is up to 93%.



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



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

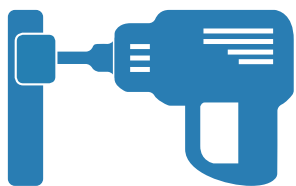
WHY RECUPERATORS?

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

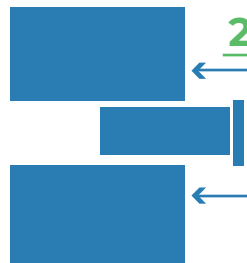
Apartments and private homes, schools and kindergartens, gyms, offices and industrial premises - recuperators can be installed almost anywhere without the need to design complex ventilation systems.

Climtec recuperators are recommended to be installed in upper part of the wall adjacent to the street. At the same time the optimum recommended distance from ceiling to recuperator is around 30 cm, this way recuperators can perform at the most possible efficiency.

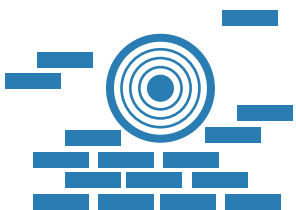
Climtec™ recuperator installation process



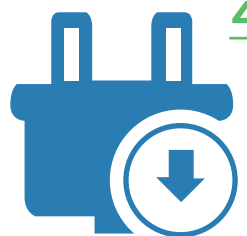
1 A hole with a diameter corresponding to the recuperator is drilled with a diamond crown for drilling in the outer wall of the room, with a slope of 3-5° towards the street.



2 A recuperator is installed in the hole, after that the space between the hull of the working module and the wall is filled with assembly foam to avoid cavities through which the cold air can penetrate inside the premise



3 Outside, only the ventilation grills remain on the wall. To ensure the normal operation of the ventilation system, it is necessary that its outlet pipe (on the street) protrude beyond the wall by a distance of at least 10 mm



4 The contact terminals are connected to the electrical network using a power cable in accordance with the passport.

RECUPERATORS

model range



RD Series



RDC Series



Ventilation valve

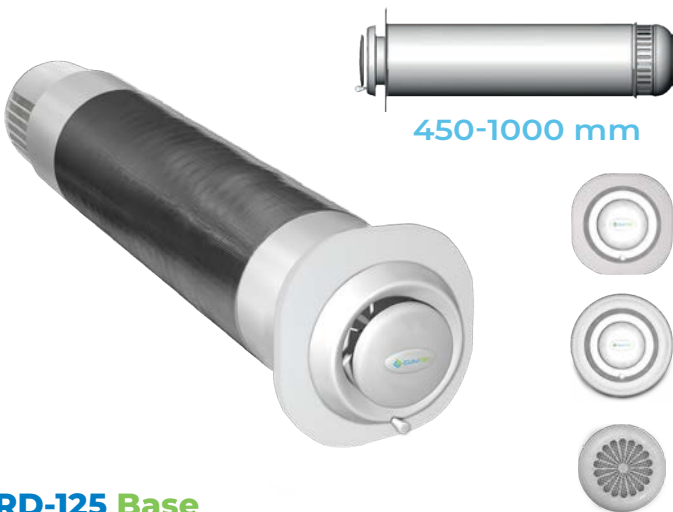



RD-100 Base

Diameter of the working module without insulation, mm	100
Mounting hole diameter, mm	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, W / h	-


RD-100 Standard

Diameter of the working module without insulation, mm	100
Mounting hole diameter, mm	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, W / h	-


RD-125 Base

Diameter of the working module without insulation, mm	125
Mounting hole diameter, mm	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, W / h	-


RD-125 Standard

Diameter of the working module without insulation, mm	125
Mounting hole diameter, mm	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, W / h	50


RD-150 Base

Diameter of the working module without insulation, mm	150
Mounting hole diameter, mm	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, W / h	-


RD-150 Standard

Diameter of the working module without insulation, mm	150
Mounting hole diameter, mm	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, W / h	130


RD-200 Base

Diameter of the working module without insulation, mm	200
Mounting hole diameter, mm	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, W / h	-


RD-200 Standard

Diameter of the working module without insulation, mm	200
Mounting hole diameter, mm	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, W / h	300



525-1000 mm

RD-200+ Base

Diameter of the working module without insulation, mm	200
Mounting hole diameter, mm	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, W / h	-



525-1000 mm

RD200+ Standard

Diameter of the working module without insulation, mm	200
Mounting hole diameter, mm	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, W / h	300



up to 1000 mm

**Ventilation valve
CLIMTEC PK 100, PK125, PK 150**

Diameter of the working module, mm	112/142/162
Air purification filter (G3)	+

Passive supply valves (air vents) are a modern replacement for a cross-cutting ventilation hole in the wall and perform a function of passive air ventilation.

The absence of the need for power supply significantly expands the space for installation and is an excellent budget solution for premises that require more simple 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.



**Supply and exhaust unit
RDC-250 base**

**Implementation
decentralized**
**Implementation
channel**

Diameter of the working module without insulation, mm	250
Mounting hole diameter, mm	300
Voltage, V	220/230
Volume of supply/exhaust air, m ³ /h, max	600
Efficiency, %	up to 87

**Supply and exhaust unit
RDC-250 Standard**

Implementation: decentralized

Diameter of the working module without insulation, mm	250
Mounting hole diameter, mm	300
Voltage, V	220/230
Volume of supply/exhaust air, m ³ /h, max	600
Efficiency, %	up to 87
Heating element power, W / h	600


**Implementation:
decentralized**
**Supply and exhaust
unit RDC-350**

Implementation: channel

up to 900 mm

Diameter of the working module without insulation, mm	315
The diameter of the mounting hole (in the decentralized version), mm	335
Voltage, V	220/230
Volume of supply/exhaust air, m ³ /h, max	1000
Efficiency, %	up to 87

RDC 350 is an industrial ventilation unit that allows you to ventilate a room with an area of 130 m².

A feature of the unit is the possibility of using it both as decentralized recuperator and a centralized ventilation system.

Implementation: channel
Implementation: decentralized


NEW

in 2023 year

Recuperators Quattro series

LED lighting

NATURAL WOOD



SENSORS

t°|CO₂|humidity sensor

WATCH

 quattro
series

NEW DESIGN
NEW OPPORTUNITIES



Quattro — a new series of Climtec recuperators, combining ECO-materials and modern technologies. The stylish design of the recuperator allows you to fit it into any interior.

A feature of the Quattro series recuperators is the front distribution module made of natural wood and the possibility of controlling the recuperator using a mobile application.

Quattro recuperators are available in **Standard** and **Profi** model lines, and also in three basic colors: **natural wood, gray** and **white**.


Quattro 100 Standard

Diameter of the working module without insulation, mm	100
Mounting hole diameter	112
Voltage, V	220/230
CO ₂ sensor	-
Supply/extract air exhaust at maximum power, m ³ /hour	40
Air humidity sensor	-
Control through mobile app	-
Efficiency, %	up to 93


Quattro 100 Profi

Diameter of the working module without insulation, mm	100
Mounting hole diameter	112
Voltage, V	220/230
CO ₂ sensor	+
Supply/extract air exhaust at maximum power, m ³ /hour	40
Air humidity sensor	+
Control through mobile app	+
Efficiency, %	up to 93


Quattro 125 Standard

Diameter of the working module without insulation, mm	125
Mounting hole diameter	142
Voltage, V	220/230
CO ₂ sensor	-
Supply/extract air exhaust at maximum power, m ³ /hour	60
Air humidity sensor	-
Control through mobile app	-
Efficiency, %	up to 93


Quattro 125 Profi

Diameter of the working module without insulation, mm	125
Mounting hole diameter	142
Voltage, V	220/230
CO ₂ sensor	+
Supply/extract air exhaust at maximum power, m ³ /hour	60
Air humidity sensor	+
Control through mobile app	+
Efficiency, %	up to 93


Quattro 150 Standard

Diameter of the working module without insulation, mm	150
Mounting hole diameter	162
Voltage, V	220/230
CO ₂ sensor	-
Supply/extract air exhaust at maximum power, m ³ /hour	100
Air humidity sensor	-
Control through mobile app	-
Efficiency, %	up to 93


Quattro 150 Profi

Diameter of the working module without insulation, mm	150
Mounting hole diameter	162
Voltage, V	220/230
CO ₂ sensor	+
Supply/extract air exhaust at maximum power, m ³ /hour	100
Air humidity sensor	+
Control through mobile app	+
Efficiency, %	up to 93


Quattro 200+ Standard

Diameter of the working module without insulation, mm	200
Mounting hole diameter	225
Voltage, V	220/230
CO ₂ sensor	-
Supply/extract air exhaust at maximum power, m ³ /hour	240
Air humidity sensor	-
Control through mobile app	-
Efficiency, %	up to 93


Quattro 200+ Profi

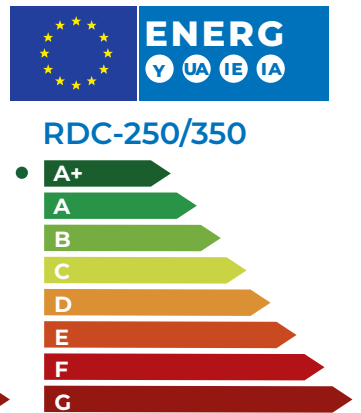
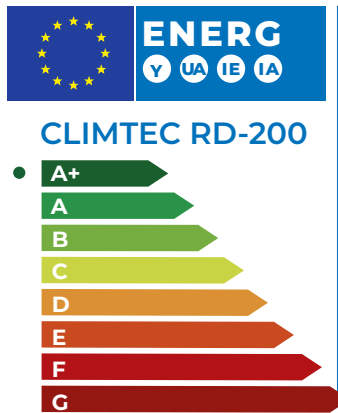
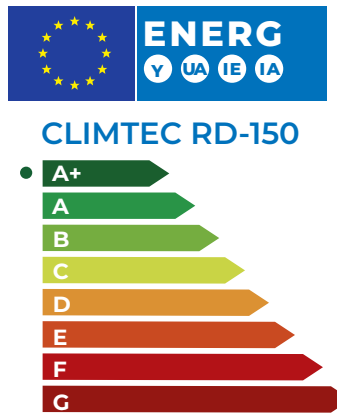
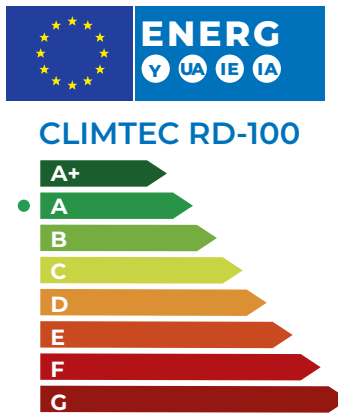
Diameter of the working module without insulation, mm	150
Mounting hole diameter	225
Voltage, B	220/230
CO ₂ sensor	+
Supply/extract air exhaust at maximum power, m ³ /hour	240
Air humidity sensor	+
Control through mobile app	+
Efficiency, %	up to 93

TECHNICAL CHARACTERISTICS OF CLIMTEC HEAT 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	22/32
RD 100 Standard	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	22/38
RD 125 Standard	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	22/38
RD 150 Standard	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	22/32
RD 200 Standard	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	22/32
RD 200+ Standard	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	stationary	45/48
RDC 250 Standard	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	stationary	45/48



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



TECHNICAL CHARACTERISTICS OF CLIMTEC HEAT RECOVERY VENTILATION SYSTEMS

PARAMETERS	Quattro 100		Quattro 125		Quattro 150		Quattro 200+	
	Stand	Profi	Stand	Profi	Stand	Profi	Stand	Profi
Diameter of the working module without insulation, mm	100	100	125	125	150	150	200	200
Mounting hole diameter, mm	112	112	142	142	162	162	225	225
Length, mm	320-600	320-600	410-1000	410-1000	460-1000	460-1000	480-1000	480-1000
Weight, kg	2,5	2,5	2,5	2,7	4,0	4,2	7	7
Efficiency, %	up to 93	up to 93	up to 93	up to 93	up to 93	up to 93	up to 93	up to 93
Volume of inflow/ exhaust air at maximum power, m ³ /h	40	40	6	60	100	100	240/240	240/240
Volume of inflow / exhaust air at minimum power, m ³ / h	10	10	25	25	45	45	60/60	60/60
Recommended area of the room, up to m ²	15	15	25	25	40	40	90	90
Recommended number of persons indoors, up to	2	2	4	4	5	5	8	8
Voltage, V	220/230	220/230	220/230	220/230	220/230	220/230	220/230	220/230
Consumed Power in recuperation mode, W	6,0	6,0	7,0	7,0	26	26	40	40
Consumed power of heating, W/h.	40	40	40	40	100	100	200	200
Thermal power of heating, W	60	60	60	60	150	150	300	300
Noise level, dB, min/max	22/32	22/32	22/38	22/38	22/32	22/32	22/38	22/38
Aluminum crossflow plate heat exchanger	+	+	+	+	+	+	+	+
Air flow shutoff valve	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Remote control	+	+	+	+	+	+	+	+
Air purification filter (G3)	+	+	+	+	+	+	+	+
CO ₂ sensor	-	+	-	+	-	+	-	+
Air supply temperature sensor	+	+	+	+	+	+	+	+
Outdoor temperature sensor	+	+	+	+	+	+	+	+
Air humidity sensor	-	+	-	+	-	+	-	+
Drainage channel heating	-	+	-	+	-	+	-	+
LED backlight	+	+	+	+	+	+	+	+
LED information panel	+	+	+	+	+	+	+	+
Natural wood front distribution panel	+	+	+	+	+	+	+	+
Control through mobile app	-	+	-	+	-	+	-	+
Dispatching	-	+	-	+	-	+	-	+



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The information presented in the catalog is informative.

CLIMTEC reserves the right to make any changes to the construction, design, specification, to replace the manufactured components at any time without prior notice to improve the quality of the manufactured products and further development of production.