VENTILATION EQUIPMENT,
COMPONENTS
AND AUTOMATIC CONTROL SYSTEMS

www.ccktm.com

OUR MISSION

Creating the best product in the field of ventilation and air conditioning due to the unique technical expertise and exceptional experience with customers and designers. The existing potential makes it possible to manufacture extra-class equipment. This is what allows our clients to implement ambitious projects, which are subject to increased requirements for moving and cleaning air.

HIGHLY QUALIFIED STAFF

A team of experienced professionals of the older generation and young highly motivated specialists.

INNOVATIVE SOLUTIONS AND MODERN PRODUCTION EQUIPMENT

The park of modern machine tools with software control allows to optimize the production process and perform tasks of increased complexity.

RAW MATERIALS OF EUROPE'S LEADING SUPPLIERS

In the production process, metal and components are used only from proven suppliers that have proven themselves in the international market.

QUALITY SYSTEM IN PRODUCTION

Continuous improvement of production and increase in the competitiveness of products.

CCK TM Company

is a producer
and a supplier of ventilation equipment,
automatic ventilation control systems
and components

CCK TM produces and offers a number of solutions for effective ventilation and air conditioning at various facilities. Equipment manufactured by CCK TM is widely used at commercial and industrial construction facilities: sports facilities, business centers and residential complexes, shopping centers, medical facilities, agricultural facilities and others.

The CCK TM ventilation equipment provides high productivity and first-class comfort, while not harming the environment. The vision of a "useful future" that has contributed to the development and implementation of many innovative and energy-efficient solutions. Among them: supply and exhaust units with recovery, which allow you to save up to 80% of heat; the use of engines based on EC-technologies are characterized by high efficiency and allow saving up to 50% of energy.

CAPACITIES

The company CCK TM aims to be a professional in its work - a responsible manufacturer, trustworthy.
The production area of the company is more than 5000 m^2. The machine tools park of CCK TM includes modern and automated machines and equipment from leading manufacturers such as Trumpf (Germany), Salvagnini (Italy), LUKAS (Italy), Fronius (Austria), CEMB (Italy), RAS (Germany), etc.
On its own manufacturing sites provides a full cycle of ventilation equipment. The engineering department of CCK TM is in continuous search of the most effective and productive solutions in the field of ventilation. New models of equipment are regularly developed, tested and introduced.
The combination of the three key factors of "conscious production" makes it possible to achieve high performance indicators, reduce index of defective products and achieve a quality level that meets the highest requirements:

- MODERN TECHNOLOGICAL EQUIPMENT
- ENGINEERING DEVELOPMENT
- EXPERIENCE AND QUALIFICATION OF EMPLOYEES

5000
M²

EQUIPMENT

AIR CONDITIONING

air handling unit and compact air handling unit

AIR HEATING

air curtains, heat exchangers,
air-heating units

DUCT EQUIPMENT

for rectangular, round
and square ducts

VENTILATION EQUIPMENT

radial, roof, axial, dust-exhaust fans,
air regulating devices, roof elements

SMOKE EXTRACTION

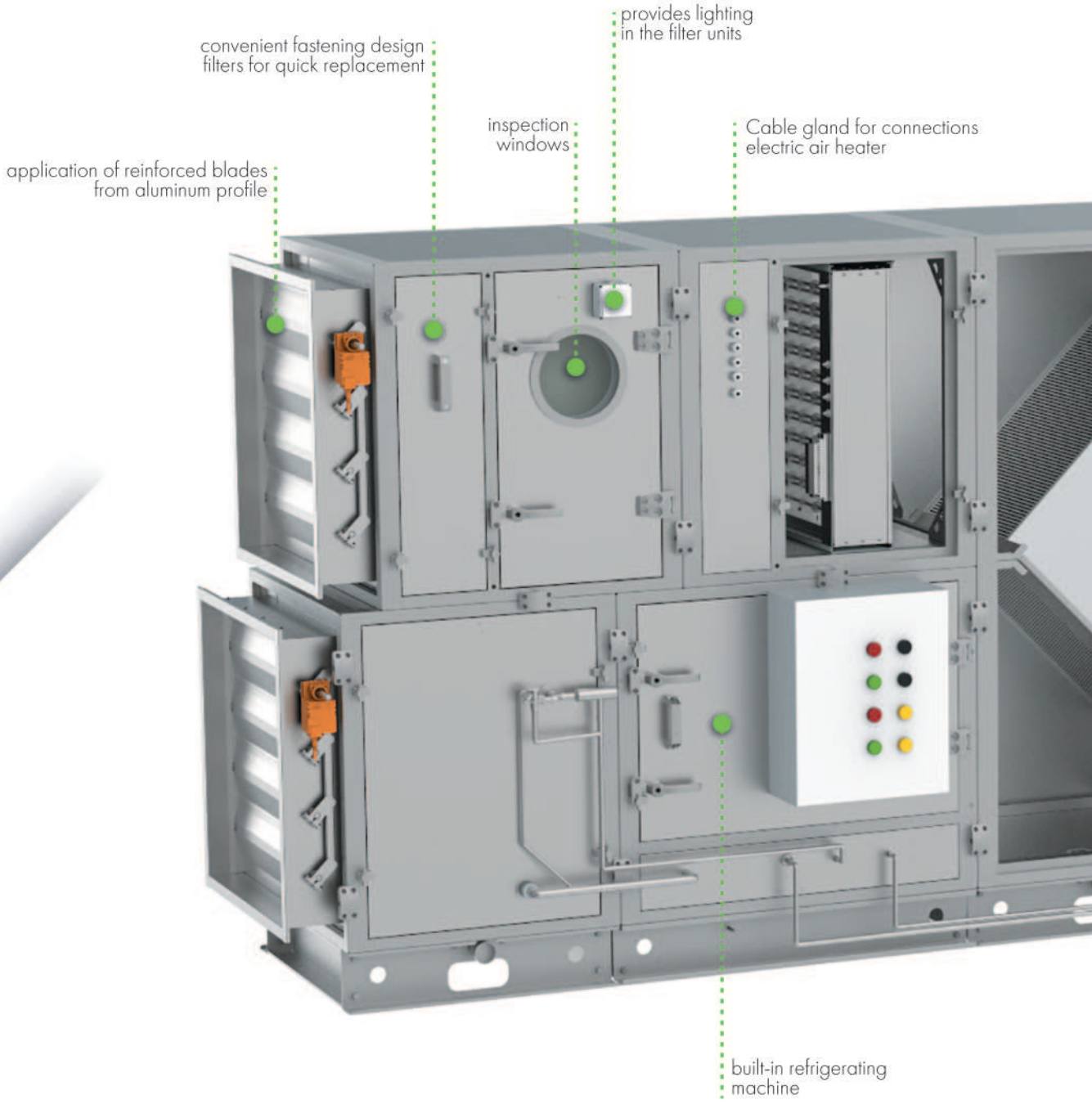
fans for exhaust systems
and forced smoke ventilation, fireproof valves

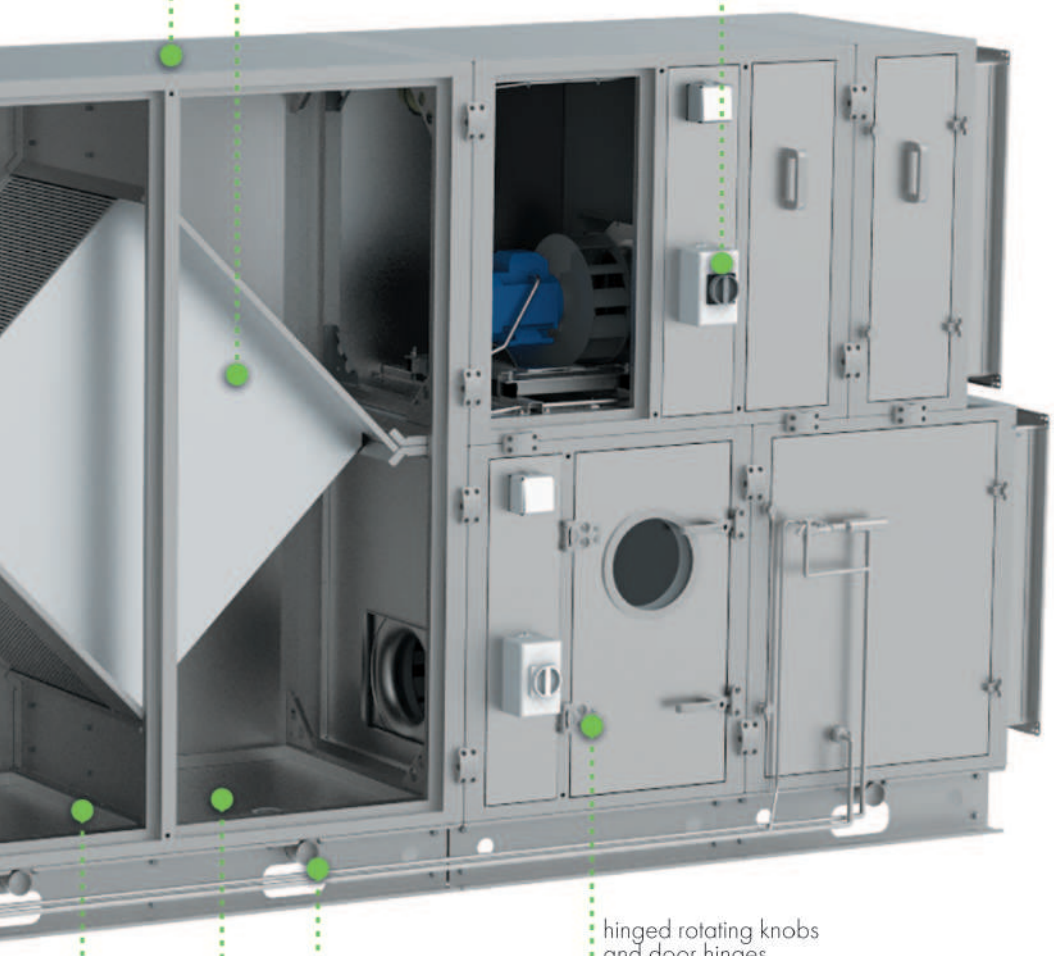
AUTOMATION ENGINEERING

standard control systems
and on an individual project

Air handling unit

The supply and exhaust ventilation system is the most perfect ventilation system. The supply and exhaust systems have a modular design and can be individually adjusted. Thus, you can find the best solution to the most difficult problems.
This system is characterized by high efficiency and energy efficiency. Recovery can minimize heat loss – up to 90% of the returned heat from the exhaust air.

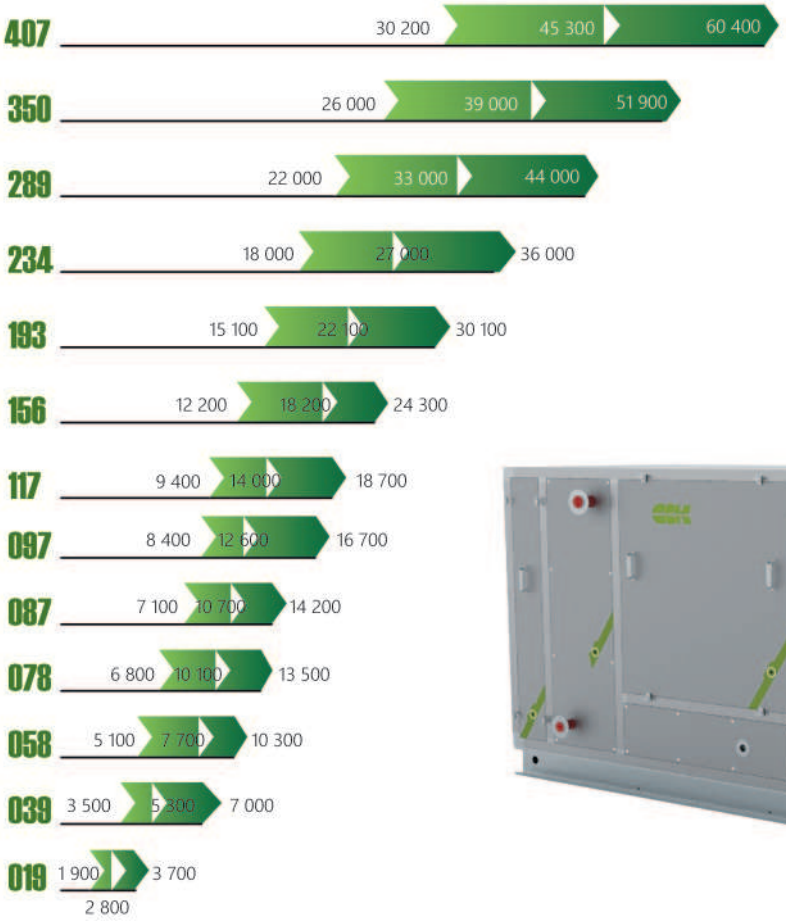



thermo- and noise-insulated housing
highly effective heat exchanger with bypass, Efficiency up to 70%
service switches and lighting in fan units
hinged rotating knobs and door hinges
condensate drain executed through a frame
pallet panel for condensate collection
perfectly smooth surface inside the installation

VRS 300

air handling units

- for standard residential buildings;
- air flow from 1 000 m^3/h to 60 400 m^3/h;
- 13 standard sizes;
- 62 function blocks;
- the thickness of the panels is 25 mm.

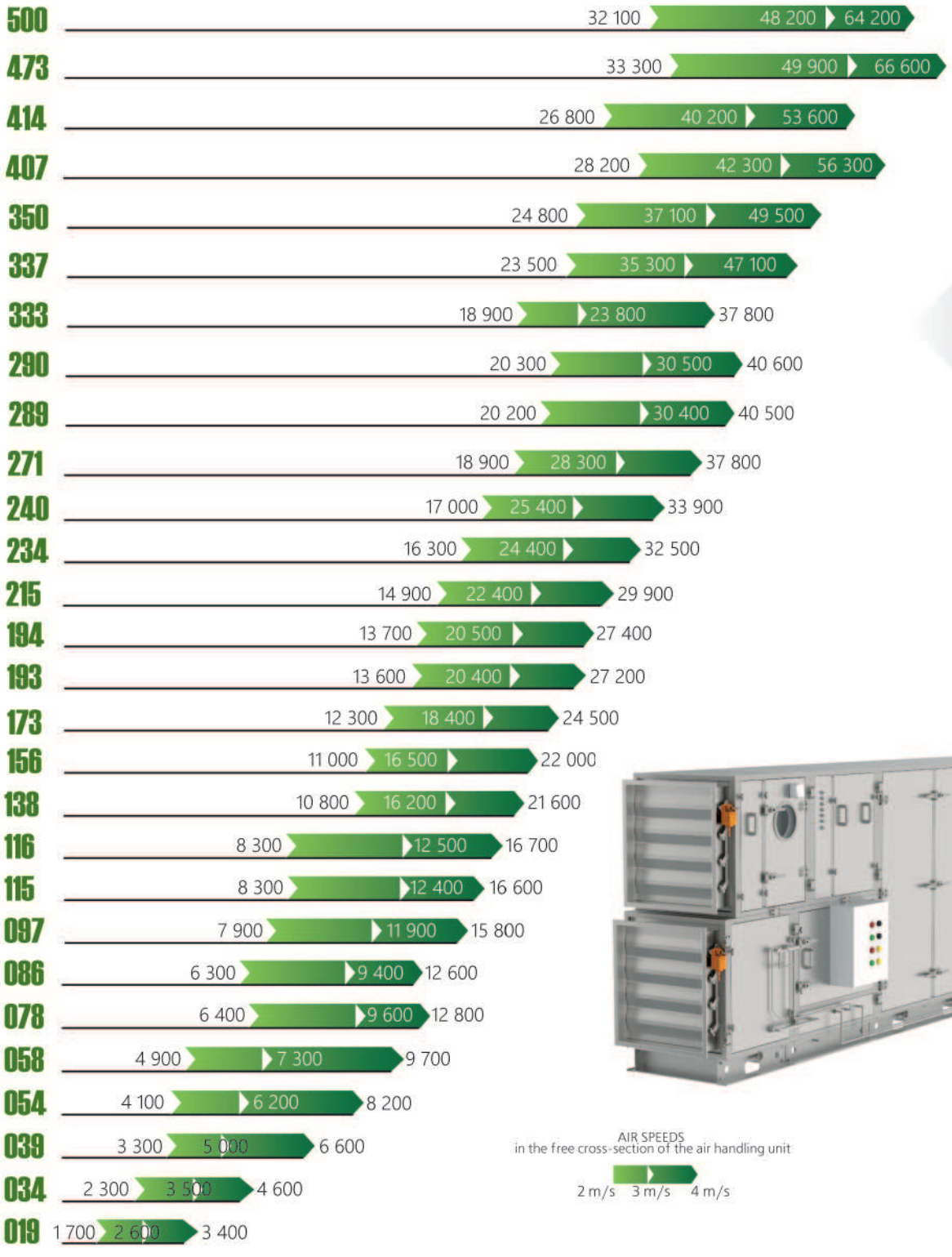


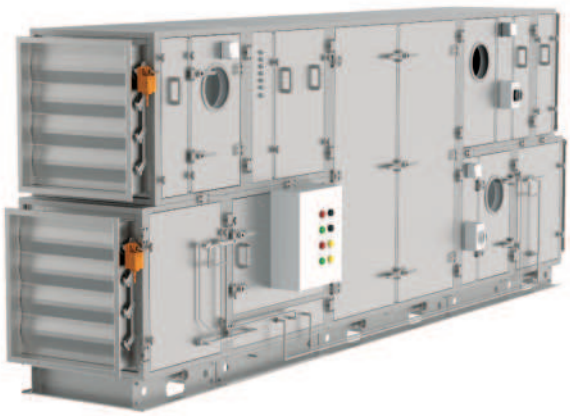
AIR SPEEDS
in the free cross-section of the air handling unit

2 m/s 3 m/s 4 m/s

VRS 500
air handling units

- for clean rooms and industries and medical institutions;
- air flow from 1 000 m^3/h to 64 200 m^3/h;
- 28 standard sizes;
- 62 function blocks;
- panel thickness 50 mm;
- the special frame and shape of the panels provides a significant reduction in the accumulation of dust and other contaminants.



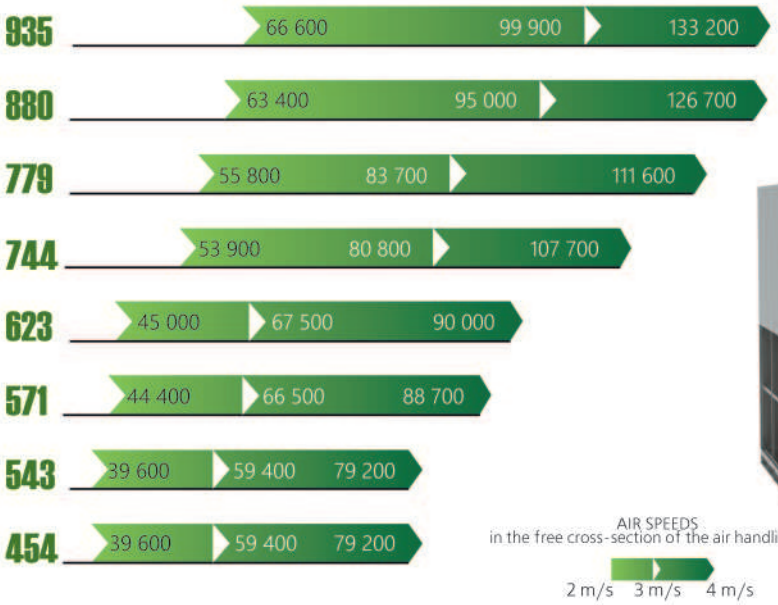


AIR SPEEDS
in the free cross-section of the air handling unit

2 m/s 3 m/s 4 m/s

VRS 700
air handling units

- for standard residential buildings, for clean rooms and industries, medical facilities, facilities with special requirements;
- air flow from 39 600 m^3/h to 133 200 m^3/h;
- 8 standard sizes;
- 62 function blocks;
- the thickness of the panels is 50 mm.

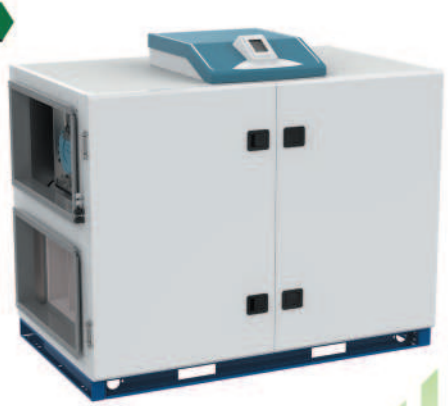


AIR SPEEDS
in the free cross-section of the air handling unit

2 m/s 3 m/s 4 m/s

AEROSMART
air handling units

- EU-ventilation technology;
- heat recovery due to rotary/plate heat exchangers;
- high class filtration system cleaning;
- built-in monitoring and control system;
- compact dimensions combined with a wide range of air handling functions.



AEROSTART

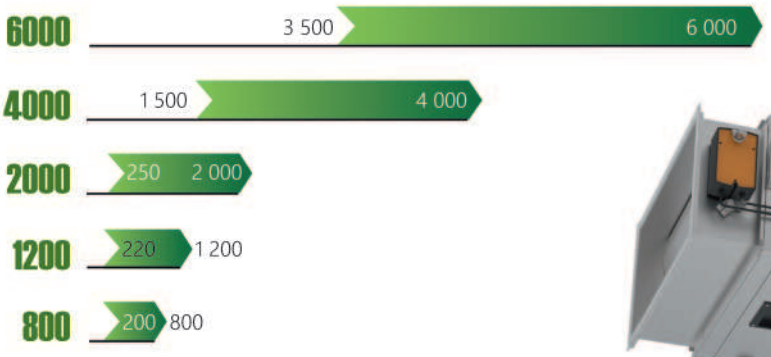
air handling units

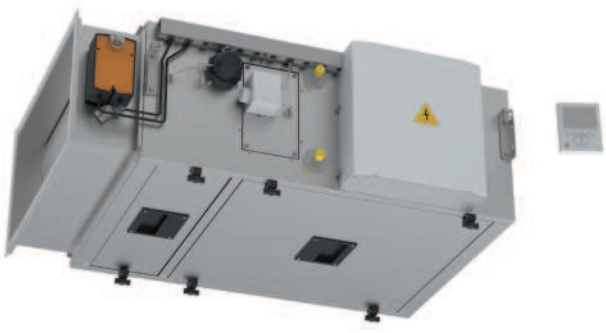
- saving up to 83% of heat;
- high-efficiency energy recovery and intelligent automatic control system;
- compact design;
- reliable and durable housing with high heat and sound insulation.

AIRMATE

compact air handling units

- air flow from 200 m^3/h to 6 000 m^3/h;
- possibility of choosing an option (right, left), depending on the side of the coolant connection, refrigerant and power supply;
- optimization of energy consumption and operating costs due to the built-in control system;
- various installation options due to the compactness - on the floor, under the ceiling, on the wall in a vertical or horizontal position;
- high sound insulation of the housing due to special plates, which are filled with a special material that prevents the particles from being assigned to the air stream.





Air heating

The technology of decentralized heating is used for many non-residential buildings with high ceilings, such as hangars, warehouses, etc. The design of the heating units ensures that people who work at the floor level will feel comfortable. This is an economic and perspective solution for heating large rooms.

AEROGUARD-E

electric air curtains

- the length of the veils is 1.2 – 3 meters, the effective length of the jet is 4 and 7 meters;
- horizontal and vertical installation method;
- reduction of heat loss in the room by cutting off cold or hot outside air;
- the possibility of adjusting the rotary blinds for the direction of the air flow (inclination angle up to 20°);
- automatic control system for electric curtain control with a wide range of functions.

length of the jet 4 m	AG-412-E-18	AG-418-E-27	AG-424-E-36	AG-430-E-45
air flow, m^3/h	5 400	7 500	10 000	12 500
power, kW	18	27	36	45

length of the jet 7 m	AG-712-E-24	AG-718-E-36	AG-724-E-48	AG-730-E-60
air flow, m^3/h	7 200	10 800	14 400	18 000
power, kW	24	36	48	60

AVN-E

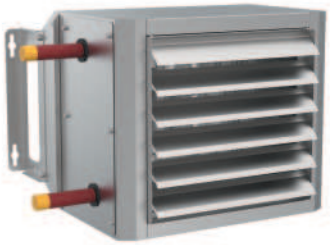
air heating units

- the possibility of heating rooms with a large area or a local organization of heating the work area;
- possibility of installation of the unit at a considerable distance from the heated zone (5 – 12 m and more);
- rapid achievement of the set temperature and a high level of heat output;
- the electric motor of the fan is equipped with built-in thermal protection, and the electric heater is equipped with two thermostats of protection against overheating;
- standard configuration with air distribution blinds with individual adjustment of the flap inclination angle.

	AVN-E-9	AVN-E-12	AVN-E-15	AVN-E-18	AVN-E-24	AVN-E-30
air flow, m^3/h	2 300	2 300	2 300	4 000	4 000	4 000
power, kW	9,138	12,138	15,138	18,25	24,25	30,25

AVN-W
water air-heating units

- in the structure of the units low-noise axial fans are used, which ensure minimum vibrations and noise level;
- in the heat exchanger is used a copper tube with a minimum roughness of the internal surface, which prevents clogging and the occurrence of corrosion;
- the possibility of regulating the heat flow of the unit both manually and automatically.



2 row	AVN-W-1	AVN-W-2	AVN-W-3
air flow, m^3/h	1 400	3 300	5 700
power, kW	0,09	0,18	0,42

3 row	AVN-W-1	AVN-W-2	AVN-W-3
air flow, m^3/h	1 300	3 100	5 300
power, kW	0,09	0,18	0,42

4 row	AVN-W-1	AVN-W-2	AVN-W-3
air flow, m^3/h	1 200	2 800	4 900
power, kW	0,09	0,18	0,42

MAVO.K
modular air cooling unit

- 216 configurations;
- number of fans from 1 to 14 pcs;
- fan diameters: 450 mm, 630 mm;
- the heating efficiency of the condenser is in the range of 8-520 kW;
- operative position: vertical, horizontal.

MAVO.D
modular air cooling unit

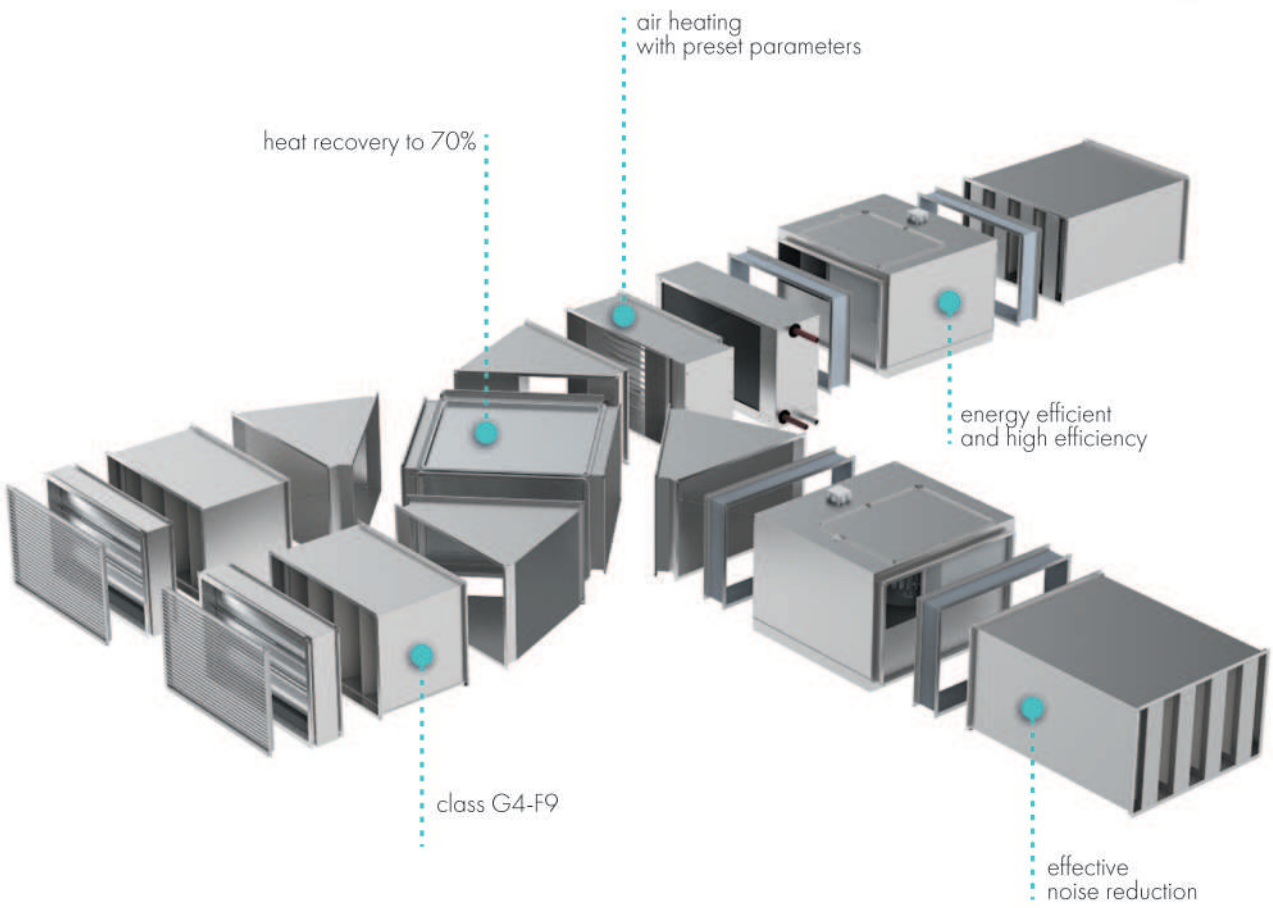
- 216 configurations;
- number of fans from 1 to 14 pcs;
- fan diameters: 450 mm, 630 mm;
- for coolant cooling, which removes excess heat energy from various kinds of technical devices;
- simplicity of installation and ease of operation;
- as a heat carrier, water or inert aqueous solutions based on ethylene glycol, propylene glycol, calcium chloride, etc., can be used.

Duct ventilation

Duct ventilation equipment is designed for mounting in rectangular, round or square ducts. The peculiarity of the duct equipment are compact dimensions, low noise and vibration. Duct ventilation systems are the most optimal option for office, commercial and industrial premises.

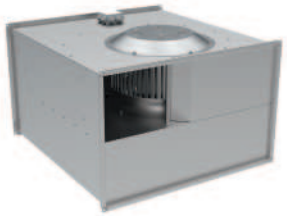
RECTANGULAR DUCT EQUIPMENT

- a wide range of equipment for solving various tasks for air treatment;
- universally combined with other elements of duct ventilation;
- does not require a lot of space, is notable for its compactness, speed and ease of installation;
- automatic control and management of air treatment processes using the automation set.



C-PKV

duct rectangular fan



- air flow from 200 m³/h to 14 000 m³/h;
- fan impellers with forward curved blades;
- the case from the zinced steel;
- series C-PKV-S is manufactured in a soundproof enclosure;
- thermal protection of motors is provided by a thermal contact relay;
- protection class IP54.

standard size

40-20-4-220	50-25-4-220	50-30-4-220	60-30-4-220					
40-20-4-380	50-25-4-380	50-30-4-380	60-30-4-380	60-35-4-380	70-40-4-380	80-50-4-380	90-50-4-380	100-50-4-380
			60-30-6-380	60-35-6-380	70-40-6-380	80-50-6-380	90-50-6-380	100-50-6-380
								100-50-8-380

C-PKV-BC

duct fan

- air flow from 400 m³/h to 8 500 m³/h;
- fan impellers with backward curved blades;
- characterized by a high efficiency (compared with C-PKV), provide energy savings;
- series C-PKV-BC-S is manufactured in a soundproof enclosure.

standard size

50-30-4-220	60-30-4-220	60-35-4-220	70-40-4-380	80-50-4-380	90-50-6-380

C-PKV-V

duct explosion-proof fan

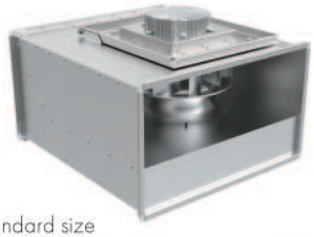
- air flow from 100 m³/h to 7 000 m³/h;
- for use in rooms with increased requirements for explosion protection;
- can be made in a soundproof enclosure.

standard size

40-20-4-380	50-25-4-380	50-30-4-380	60-30-4-380	60-35-4-380	70-40-6-380	80-50-6-380

C-PKV-EC

duct fan with EC motor



- air flow from 100 m³/h to 17 000 m³/h;
- modern energy-efficient EC-motor, which provides high efficiency of the fan;
- provide increased system performance while maintaining compact dimensions;
- possibility of additional adjustment of parameters and automation of work.

standard size

50-30-2-220	60-30-2-220	60-35-2-380	70-40-2-380	80-50-2-380	100-50-2-380	100-50-6-380	100-50-8-380
50-30-4-220	60-30-4-220	60-35-4-380	70-40-4-380	80-50-4-380	100-50-4-380	100-50-6A-380	

C-KVARK-P

duct rectangular radial fan

- air flow from 100 m^3/h to 9 500 m^3/h;
- series C-KVARK-P-V is manufactured in explosion-proof design;
- the impellers of channel fans with backward curved blades undergo a thorough static and dynamic balancing;
- this type of impeller allows you to maintain a uniform air velocity along the initial section of the fan, provides the optimum flow velocity in the ventilation duct, and reduces energy consumption and noise level.

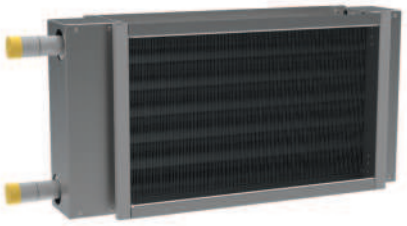
standard size

40-20-18-2	50-25-20-2	50-30-22-2	60-30-25-2	60-35-28-2	70-40-31-2	80-50-35-2	90-50-35-2	100-50-40-2
	50-25-22-2	50-30-25-2	60-30-28-2	60-35-31-2	70-40-35-2	80-50-40-4	90-50-40-2	100-50-45-4
							90-50-40-4	

C-KVN and C-EVN

duct heaters

- are designed to heat air;
- equipped with a two-stage protection against overheating;
- the body is made of galvanized steel.



standard size C-KVN

40-20	50-25	50-30	60-30	60-35	70-40	80-50	90-50	100-50

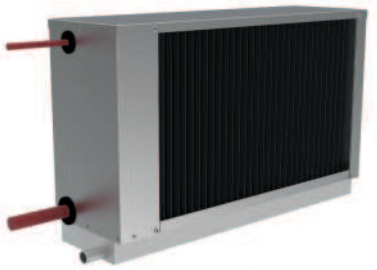
standard size C-EVN

40-20			50-25			50-30				60-30				60-35				70-40			80-50			90-50			100-50		
9	12	17	12	17	23	12	17	23	27	15	22,5	27	31,5	16,5	22,5	27	31,5	27	31,5	45	31,5	45	60	45	67,5	90	45	67,5	90

C-VKO and C-FKO

duct air cooling

- heat transfer media: water (C-VKO) and freon (C-FKO);
- heat exchanger is made of copper tubes arranged in staggered order, with aluminum fins;
- a drip tray and a drip tray are installed inside the housing;
- are installed directly into ducts of rectangular cross-section.



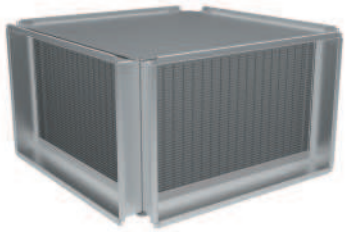
standard size

40-20	50-25	50-30	60-30	60-35	70-40	80-50	90-50	100-50

C-PKT

duct heat exchanger

- utilizes the thermal energy of the exhaust air;
- allows to use the saved energy for heating (cooling) the supply air;
- efficiency of heat recovery can reach 70%;
- heat recovery housing is made of galvanized steel.
- heat exchanger surface of the heat exchanger is formed by corrugated plates of aluminum foil.



standard size

40-20	50-25	50-30	60-30	60-35	70-40	80-50	90-50	100-50

C-FKP

duct filter

- to clean air of dust and fibrous particles in ventilation systems;
- case is made of galvanized steel, has a box-like structure;
- standardly equipped with cassettes of the cleaning class from G4 to F9;
- are mounted regardless of the spatial orientation.

standard size

40-20	50-25	50-30	60-30	60-35	70-40	80-50	90-50	100-50

C-GKD and C-GKP

duct muffler

- to protect the premises from noise;
- the plates are filled with sound absorbing mineral wool with a protective coating;
- C-GKP – requires the installation of a straight duct section to equalize the air speed. C-GKD – does not require.

standard size

40-20	50-25	50-30	60-30	60-35	70-40	80-50	90-50	100-50

C-REG, C-GMK, C-GMK-P, C-KOL

duct rectangular damper

- are designed to regulate the flow of supply, recirculation and exhaust air;
- C-REG – used to seal the internal volume of ventilation networks;
- C-GMK – has perimeter heating and protection against icing of blades;
- C-GMK-P – differs by a reduced volume of flow through the valve and heat loss through the valve flaps;
- C-KOL – prevents the flow of air and non-explosive air mixtures from different rooms of one ventilation system.

standard size

40-20	50-25	50-30	60-30	60-35	70-40	80-50	90-50	100-50

C-RKO and C-RKA

duct rectangular louver

- perform a decorative function;
- C-RCO – unaligned channelized galvanized grating;
- C-RKA – a lattice channel uncontrolled aluminum.

standard size

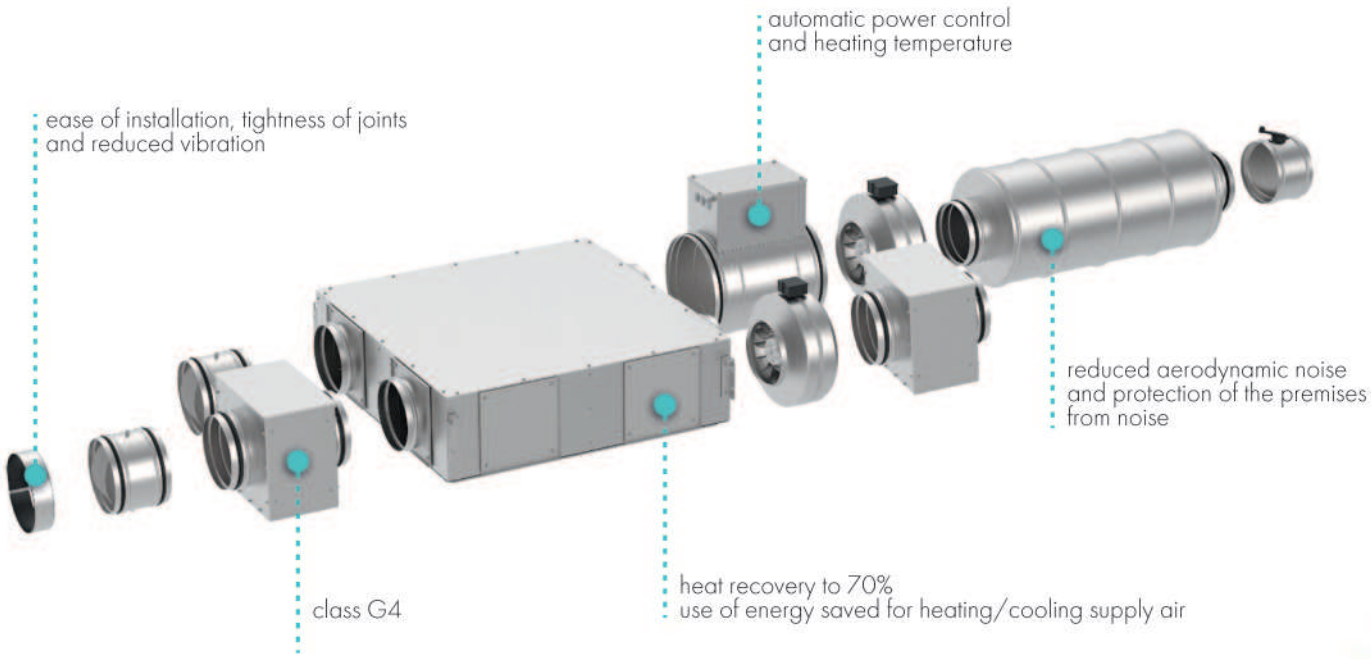
40-20	50-25	50-30	60-30	60-35	70-40	80-50	90-50	100-50

Duct ventilation

Duct ventilation equipment is designed for mounting in rectangular, round or square ducts. The peculiarity of the duct equipment are compact dimensions, low noise and vibration. Duct ventilation systems are the most optimal option for office, commercial and industrial premises.

DUCT ROUND EQUIPMENT

- the units can include sections for heating, cooling, regulation, sound attenuation, filtration;
- are built directly into the duct, thereby not occupying an additional area;
- are universally combined with other elements of duct ventilation systems;
- special model range with low noise performance for use in rooms with increased noise requirements.



C-VENT and C-VENT-EC

duct fans

- air flow100 m³/h to 7 500 m³/h;
- the case from the galvanized steel;
- thermal protection is made with the help of thermal contacts;
- are characterized by low noise level;
- series C-VENT-EC – high-performance fans with EC-motors.

standard size C-VENT

100A	125A	150B	160A	200A	200B	250A	250B	315A	315B

standard size C-VENT-EC

250-2-220	250-4-220	315-2-220	315-4-220	355A-2-380	355A-4-380	355B-2-380	355B-4-380

C-VENT-PF, C-VENT-PF-EX

duct fans

- air flow from 100 m³/h to 5 000 m³/h;
- impellers with forward curved blades;
- single-phase or three-phase asynchronous motors;
- series C-VENT-PF-S for rooms with increased noise requirements;
- series C-VENT-PF-EX for rooms with increased requirements for explosion protection.

standard size C-VENT-PF

150-2-220	160-2-220	200-2-220	250-2-220	315A-4-220	315B-4-220	
150-4-380	160-4-380	200-4-380	250-4-380	315A-4-380	315B-4-380	355-4-380
					315B-6-380	355-6-380

standard size C-VENT-PF-EX

150-4-220	160-4-380	200-4-380	250-4-380	315A-4-380	315B-4-380	355-4-380	400-6-380

C-VENT-PB, C-VENT-PB-S

duct fans

- air flow from 100 m³/h to 5 000 m³/h;
- impellers with back curved blades;
- are characterized by high efficiency and provide energy savings;
- series C-VENT-PB-S for rooms with increased noise requirements.

standard size C-VENT-PB

150-2-220	150-2-220	160-2-220	200-2-220	250-2-220	315A-4-220	315B-4-220
150-4-380	150-4-380	160-4-380	200-4-380	250-4-380	315A-4-380	315B-4-380

C-VENT-V

duct fans

- air flow from 100 m³/h to 1 100 m³/h;
- for exhaust ventilation of industrial air, public and residential buildings;
- impellers with back curved blades;
- the lower part of the fan is protected by a grid;
- the exhaust is carried down.

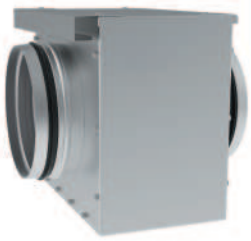
standard size C-VENT-PF-EX

100-4-220	125-4-220	150A-4-220	150B-4-220	160A-4-220	160B-4-220	200A-4-220	200B-4-220

C-KVN-K and C-EVN-K

duct heaters

- for heating of air in stationary systems of ventilation and air conditioning of industrial, public and residential buildings;
- series C-KVN-K – hot water is used as the heat carrier;
- series C-EVN-K – electric air heater is equipped with a two-stage protection against overheating;
- series C-EVN-K-S1 (S2) – electric air heater for additional heating of supply air. It is possible to control from the regulator on the housing or using an removable unit.



standard size C-KVN-K

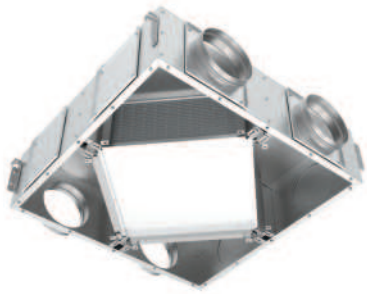
160	200	250	315

standard size C-EVN-K, C-EVN-K-S1 (S2)

100		125			150				160				200			250				315				
0,6	1,2	0,8	1,6	2,4	1,5	3,0	4,5	6,0	1,5	3,0	4,5	6,0	3,0	4,5	6,0	3,0	4,5	6,0	9,0	3,0	6,0	9,0	12,0	15,0

C-PKT-K

duct plate heater



- it is installed in duct systems for ventilation and conditioning of industrial and residential buildings;
- utilizes the thermal energy of the exhaust air, the efficiency is up to 70%;
- allows to use the saved energy for heating (cooling) the supply air;
- the utilizers are equipped with filters of class G3, a condensate tray.

standard size

100	125	150	160	200	250	315

C-FKK

duct filter

- protect the room and components of the duct ventilation system from the ingress of various mechanical impurities contained in the air;
- the body is provided with round branch pipes with a rubber seal;
- class of air cleaning G4.

standard size

100	125	150	160	200	250	315

C-GKK

duct muffler

- to reduce aerodynamic noise arising in duct ventilation and air conditioning systems;
- noise absorbing material - mineral wool with a protective coating;
- the length of the body is 600-900 mm.

standard size

100	125	150	160	200	250	315

C-DKK and C-KVK

duct damper

- are designed to regulate the flow of supply and exhaust air;
- can be used for recirculating air;
- structural elements are made of galvanized steel;
- actuator C-DKK – hand drive; C-KVK – manual or electric drive for remote control.

standard size

100	125	150	160	200	250	315

C-KOL-K

duct return damper

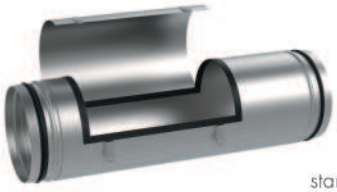
- prevents the flow of air and non-explosive air mixtures from different premises of one ventilation system;
- prevents the outside air from entering the service room after the fan is turned off;
- the minimum air velocity through the cross section of the damper: in the horizontal section not less than 1.5 m/s, and on the vertical – at least 2.5 m/s.

standard size

100	125	150	160	200	250	315

C-DUCT

air flow regulator



- for automatic control of air flows in the ventilation system;
- provide optimal climatic conditions in any room of the building;
- the use of regulators eliminates the need for measuring and regulating the ventilation system before putting it into operation.

standard size

100	125	160	200	250

C-RVK, C-RVC, C-RPVC

duct louver

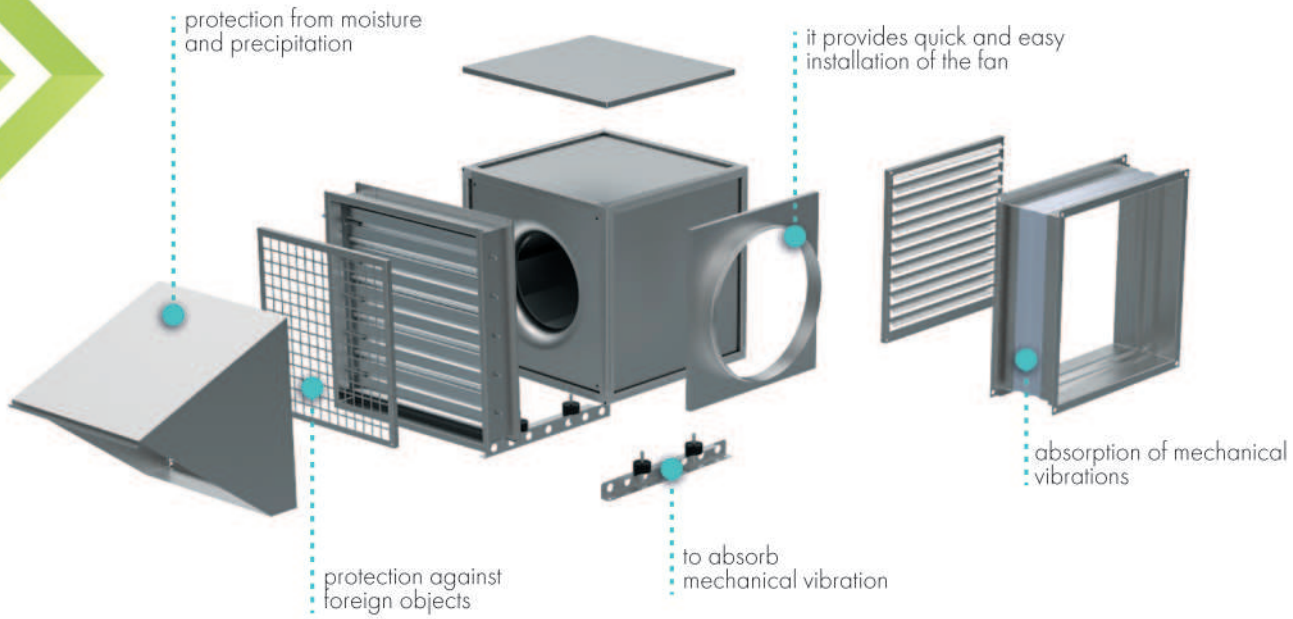
- for supply and exhaust ventilation, installed on the facade of the building;
- perform a decorative function;
- made of galvanized sheet steel;
- series C-RPVC – louver distributing the flow of external and exhaust air, eliminating the possibility of mixing them.

standard size

100	125	150	160	200	250	315

DUCT SQUARE EQUIPMENT

- for compact stationary systems of supply and exhaust ventilation, as well as for air conditioning systems of industrial, public and residential buildings;
- can significantly reduce the size of the system while maintaining the working air parameters;
- compactness of the equipment provides convenience of maintenance and installation in confined spaces;
- to all installations a wide range of automation elements is offered.



C-KVARK

duct fan

- air flow from 200 m^3/h to 13 000 m^3/h;
- for compact stationary systems of supply and exhaust ventilation, as well as for air conditioning systems of industrial, public and residential buildings;
- impeller with back curved blades;
- execution in explosion-proof version is possible.

standard size

35-35-2	40-40-2	45-45-2	50-50-2	56-56-2	63-63-2		
35-35-4	40-40-4	45-45-4	50-50-4	56-56-4	63-63-4	71-71-4	80-80-4
						71-71-6	80-80-6

KP-KVARK-N and KP-KVARK-EC

duct fans

- air flow from 300 m^3/h to 26 000 m^3/h;
- they are compact in size, which makes it possible to use the equipment in a confined space;
- the frame is made of aluminum profile, external panels – made of galvanized steel;
- special elements allow you to install a fan outside the building;
- series KP-KVARK-EC – energy-efficient fans with EC-motors.

standard size KP-KVARK-N

40-40-9-2,5	42-42-9-2,8	50-50-9-3,15	50-50-6-3,55	50-50-9-3,55	67-67-6-4	67-67-9-4	67-67-6-4,5
67-67-9-4,5	67-67-6-5	67-67-9-5	80-80-6-5,6	80-80-9-5,6	80-80-6-6,3	80-80-9-6,3	100-100-6-7,1
							100-100-9-7,1

standard size KP-KVARK-EC

42-42	46-46	50-50	67-67	80-80	100-100

KP-REG and KP-KOL

duct damper

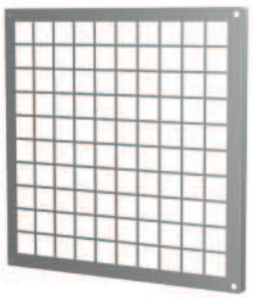
- special series for the complete set with fans KP-KVARK-N, KP-KVARK-EC;
- KP-REG series for regulating the supply and exhaust air flow;
- series KP-KOL – prevents the flow of air and non-explosive air mixtures from different rooms of one ventilation system;
- permissible temperature of the transported air from -30° C to +50° C.

standard size

40-40	42-42	46-46	50-50	67-67	80-80	100-100

KP-RKA (RKO), KP-SET

duct louver



- special series for the complete set with fans KP-KVARK-N, KP-KVARK-EC;
- series KP-RKA (RKO) – installed on the exhaust or suction of the fan;
- KP-SET series – to protect the cavities of the fan from mechanical impact and foreign objects.

standard size

40-40	42-42	46-46	50-50	67-67	80-80	100-100

KP-KRS and KP-KZR

roof and visor from atmospheric precipitation

- specially developed design for fans KP-KVARK-N and KP-KVARK-EC;
- series KP-KRS – are installed on the top of the fan casing to protect the fan from moisture and precipitation when the fan is installed outdoors;
- series KP-KZR – are installed on the side of the fan casing to protect the fan from moisture and rain when the fan is installed outdoors.

standard size

40-40	42-42	46-46	50-50	67-67	80-80	100-100

DUCT AXIAL EQUIPMENT

- for use in exhaust and supply-and-exhaust ventilation systems of industrial, public and residential buildings;
- various mounting options are possible: in the air duct, on the wall with a special plate, directly into the wall;
- they have a long service life (up to 40 000 hours);
- it is possible to additionally equip the fans, including a speed regulator or a frequency converter.

C-OZA-N

duct axial fan

- air flow from 250 m^3/h to 13 000 m^3/h;
- is designed for installation in a duct system;
- smooth speed control with a speed controller or frequency converter;
- power supply to the fan via the built-in terminal block.

standard size

020-220	025-220	030-220	035-220	040-380	045-220	050-380	055-220	063-380

C-OZA-S

duct axial fan

- air flow from 250 m^3/h to 13 000 m^3/h;
- soundproof enclosure made of galvanized steel with heat and sound insulation of non-combustible fiberglass 50 mm thick;
- asynchronous motor with external rotor is equipped with built-in thermal protection with automatic restart.

standard size

020-220	025-220	030-220	035-220	040-380	045-220	050-380	055-220	063-380

C-OZA-T
duct axial fan

- air flow from 260 m^3/h to 2 800 m^3/h;
- can be installed directly into the air duct or into the wall;
- smooth speed control with the help of the speed regulator;
- temperature of the transported medium from -30° C to + 60° C.

standard size

020-220	025-220	030-220	035-220

C-OZA-P
duct axial fan

- air flow from 250 m^3/h to 13 000 m^3/h;
- installation directly on the wall with a special square plate;
- asynchronous motor with external rotor is equipped with built-in thermal protection with automatic restart.
- protection class IP 44.

standard size

020-220	025-220	030-220	035-220	040-380	045-220	050-380	055-220	063-380

C-OZA-C
duct axial fan

- air flow from 250 m^3/h to 13000 m^3/h;
- installation directly into the wall;
- the service life is up to 40 000 hours thanks to the use of rolling bearings in engines.

standard size

020-220	025-220	030-220	035-220	040-380	045-220	050-380	055-220	063-380

General-purpose fans

The general ventilation system creates the optimal indoor air quality with the help of ventilation throughout the room. Typically, ventilation systems use exhaust fans located in walls or on the roof of a building or building.
The main tasks of ventilation:
- ensure a continuous supply of fresh outdoor air;
- maintain a comfortable temperature and humidity;
- remove or dilute the harmful substances contained in the air.

VRAN
radial fans

- 16 sizes, air flow from 300 m^3/h to 120 000 m^3/h;
- optimized spiral housing provides a reduction in average speed and pressure loss;
- the blades of the impeller are bent back, which provides high efficiency and allows smooth adjustment of the speed;
- additional equipment for fans is provided.

on 1 constructive scheme

025	028	031	035	040	045	050	056	063	071	080	090	100	112	125	140
general purpose				corrosion-resistant				explosion-proof			corrosion-proof explosion proof				

on 5 constructive scheme

063	080	100	125
general purpose		corrosion-resistant	

VRAV
radial fans

- 12 sizes, air flow from 300 m^3/h to 150 000 m^3/h;
- execution of fans: general industrial, explosion-proof, corrosion-resistant, explosion-proof corrosion-resistant;
- are used mainly in injection plants and systems, where strict limitations on overall dimensions are provided.
- an additional set of fans is provided.

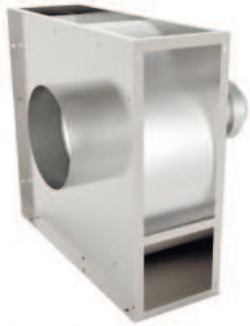
on 1 constructive scheme

020	025	028	031	035	040	045	050	063	080
general purpose		corrosion-resistant		explosion-proof		corrosion-proof explosion proof			

on 5 constructive scheme

063	080	100	125
general purpose		corrosion-resistant	

DUF
dust fan



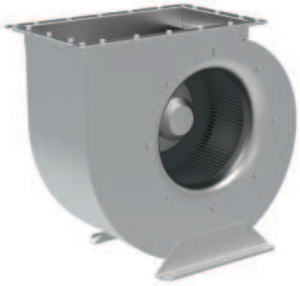
- 5 sizes, air flow from 600 m^3/h to 10 000 m^3/h;
- are used to remove wood shavings and sawdust, remove metal dust from the machines, remove dust and slag from the welding industry, a system for the extraction of dusty air in the production of – cement and reinforced concrete structures;
- are equipped with three-phase asynchronous motors;
- the fan casing has a welded construction made of carbon steel, which means that there is no air flow.

025	031	040	050	063
general purpose				

RAV
compact radial fans

- 4 sizes, air flow from 300 m^3/h to 4000 m^3/h;
- provide increased system performance while maintaining compact dimensions;
- only general industrial designs are made.

2,25	3,10	3,55	4
general purpose			



RAF
compact radial fans

- 7 sizes, air flow from 400 m^3/h to 1000 m^3/h;
- they are compact in size while maintaining high performance;
- the speed of the impeller is controlled by means of a speed controller or a frequency converter.

2	2,25	2,8	3,10	3,55	4	4,5
general purpose						

OZA 300 and OZA 301
energy-efficient axial fans

- 11 standard sizes, air flow from 1 200 m^3/h to 120 000 m^3/h;
- the live section of the air flow is maximally increased, which gives a significant reduction in the exit velocity;
- two types of housing: long and short. The short fan casing does not completely cover the engine and has a low weight.

040	045	050	056	063	071	080	090	100	112	125
general purpose			corrosion-resistant		explosion-proof		corrosion-proof explosion proof			

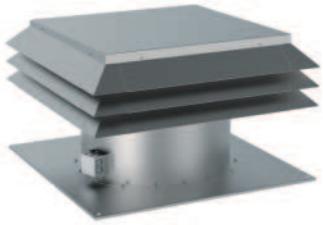
OZA-F 300 and OZA-F 301
high-pressure axial fans

- 11 standard sizes, air flow from 1 850 m^3/h to 110 000 m^3/h;
- are distinguished by higher pressure development;
- the body is made of stainless or carbon steel.

040	045	050	056	063	071	080	090	100	112	125
general purpose			corrosion-resistant		explosion-proof		corrosion-proof explosion proof			

OZA-R

axial roof fans

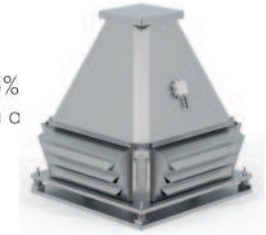


- 9 standard sizes, air flow from 5 000 m^3/h to 54 000 m^3/h;
- are intended for use in exhaust ventilation systems;
- the impeller is made with rotary blades, the blade angle is adjusted to obtain the maximum efficiency.
- the support arm of the engine is aerodynamically shaped and performs the function of a straightening device.

040	045	050	056	063	071	080	090	100
general purpose		corrosion-resistant		explosion-proof		corrosion-proof explosion proof		

KROS

radial roof fans



- 12 standard sizes, air flow from 800 m^3/h to 100 000 m^3/h;
- aerodynamic schemes of impellers are characterized by increased efficiency, which can reach 75%
- fans create a high flow rate, have a minimum dynamic pressure, consume with power consumption a power that does not overload the engine;
- in the output section of the case there are installed blinds, which protect the fan from atmospheric precipitation.

035	040	045	050	056	063	071	080	090	100	112	125
general purpose			corrosion-resistant			explosion-proof		corrosion-proof explosion proof			

KROV

radial roof fans

- provide an air outlet upwards;
- 12 standard sizes, air flow from 800 m^3/h to 100 000 m^3/h;
- fans create a large flow, high static pressure and small noise;
- the impellers are installed directly on the motor shaft and consume power with an increase in consumption, not overloading the engine;
- an additional set of fans is provided.

035	040	045	050	063	080	090	100	112	125
general purpose			corrosion-resistant		explosion-proof		corrosion-proof explosion proof		

KROM

radial roof fans

- 8 standard sizes, air flow from 300 m^3/h to 10 000 m^3/h;
- motor-wheels installed in the fans are distinguished by their considerable compactness, low weight and the possibility of adjustment during operation;
- it is possible to perform in a soundproof enclosure that provides optimized noise characteristics;
- fans have built-in thermal contacts with external outputs to protect the engine from overheating.

2,25	3,10	3,55	4	4,5	5	5,6	6,3
general purpose							

Roofing elements of ventilation

Roof ventilation elements are used in supply and exhaust ventilation systems. These ventilation elements should be used for ventilation of under-roof space, living quarters, cellars, garages.

AVD

active ventilation deflector

- for the removal of gas and steam from the mines of houses and ensure a properly organized ventilation;
- use wind energy to create rotation, thereby not consuming electricity, environmentally friendly and cost-effective.
- prevent atmospheric precipitation, birds and other foreign objects from entering the ventilation duct;
- protect the interior from overheating in hot weather and reduce the cost of air conditioning;

provide effective protection of the internal space of the roof from the formation of condensate.

160	200	250	280	315	355	400	500	560	630

Z

roof air intake

- it is designed to discharge air above the roof surface;
- can be painted with powder paints in the RAL catalog;
- optional additional ventilation elements.

100	125	160	200	250	315	400

PVZ

roof hood

- is intended for both supply and exhaust air;
- the exhaust and supply sections are separated by an inner partition;
- the supply air section is protected from atmospheric precipitation from the roof and mesh from foreign objects. The exhaust air section has a drip tray;
- air is ejected upwards by a directed jet.

400	500	600	700	800	1000	1200	1400	1600

SP

flow shell

- it is intended for connection of roofing elements and roof fans;
- to connect the round elements to the SP-series through-hole, additional equipment is provided with special adapters;
- can be equipped with two through-feeds for power supply.

3	4	5	6	7	8	9	10	11	12	13	14	15	16

Air regulating devices

Devices for air distribution are used in supply and exhaust ventilation, air conditioning and air heating systems. Air distributors distribute the air flow inside the room. Grills protect air ducts from falling into them precipitation and foreign objects.

REG and REG-L

universal air damper

- purpose: REG – cut-off, REG-L – cut-off, regulating;
- REG – only rectangular section, REG-L – rectangular and round section;
- thermal conductivity up to 64.2 W/mxK;
- opening of the blades – parallel;
- actuator: electric drive or handle.

general purpose	corrosion-resistant	explosion-proof	corrosion-proof explosion proof

RLN

universal air damper

- to regulate the flow of supply, recirculation or exhaust air in ventilation and air conditioning systems, and to seal the internal volume of ventilation networks;
- produce only rectangular section;
- purpose: cut-off or regulating.

general purpose

GMK-P and GMK-R

air damper

- for operation in conditions of low temperatures (up to minus 40 ° C);
- purpose: cut-off or regulating;
- blade opening: GMK-P – parallel, GMK-R – symmetrical;
- thermal conductivity up to 52 W/mxK.

general purpose	corrosion-resistant	explosion-proof	corrosion-proof explosion proof

TUL
reed damper

- check valve of gravitational action;
- produce only a rectangular section;
- class of percolation level – 1.

general purpose	corrosion-resistant	explosion-proof	corrosion-proof explosion proof

KLR
check damper

- to automatically block the section of the air duct in order to avoid free flow of air in the ventilation systems with the fan not working;
- purpose: reverse (petal);
- are made both rectangular, and a round section.

general purpose	corrosion-resistant

KOL
universal check damper

- to prevent the flow of air and non-explosive air mixtures, whose aggressiveness in relation to aluminum and aluminum alloys does not exceed the aggressiveness of air with a temperature of up to 60° C;
- made only of rectangular cross-section.

general purpose

GMK-T
heat-insulated damper

- for work in conditions of low temperatures (up to minus 70° C) for thermal insulation of the serviced zones;
- made only rectangular section;
- operating pressure up to 1 800 Pa;
- thermal conductivity up to 2.58 W/mxK.

general purpose	corrosion-resistant	explosion-proof	corrosion-proof explosion proof

KED

high density damper

- for regulation of supply, recirculation or exhaust air in high-pressure ventilation systems, as well as for sealing the internal volume of ventilation networks, the working pressure of which can reach 2500 Pa;
- produce only a rectangular section;
- opening of the blades: parallel, symmetrical;
- actuator: electric drive or handle.

general purpose	corrosion-resistant	explosion-proof	corrosion-proof explosion proof

DR

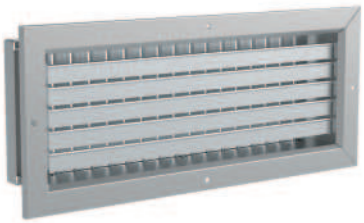
rotational diffuser

- for ventilation of premises with a height of 3 m to 10 m;
- are made of galvanized steel;
- installed under the ceiling or in the construction of a reflected ceiling.

200	250	315	350	400	500	630	800

RRO-25 and RRD-25

adjustable louver



- RRO-25 – gratings from the galvanized case and one row of aluminum lamellas. It is possi to adjust the air flow by changing the slope angle of the slats;
- RRD-25 – gratings from the galvanized case and two rows of movable aluminum slats; are standardly painted white.

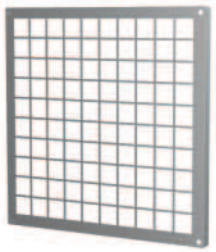
galvanized steel

R25, R50, R100

decorative unregulated louver

- R25 – for interior decoration of premises. Made of unified lightweight elements made of aluminum with plastic elements;
- R50, R100 – for external protection of the exit points of ventilation shafts, air ducts, openings. Made of reinforced unified elements made of aluminum.

aluminum



SET

anti-vandal mesh

- to protect against unauthorized access to the valve and its actuator;
- can be used as part of any fire or smoke valve, both round and rectangular.

carbon steel | stainless steel | low alloy galvanized steel

MRP

mounting frame

- serves as a strength base when attaching the valve as an embedded element;
- produce only a rectangular section.

steel | stainless steel | galvanized steel

VG and VGT

flexible connectors

- VG are used as linear expansion joints in general ventilation systems to protect against transmission of vibration loads from ventblocks, etc. on the air ducts. The temperature of the transported medium is from +40° C to +60° C;
- VGT are used as linear compensators in networks with an elevated temperature of the transported medium from 200° C to 600° C or more.

general purpose

Smoke extraction

The smoke extraction system is part of the fire safety system. The systems of supply and exhaust smoke ventilation remove and / or limit the spread of combustion products to safe areas and evacuation routes. These systems include exhaust fans required to remove smoke, and supply fans that supply fresh air instead of contaminated products by combustion.

UKROS-DU/DUV

roof fans for smoke extraction

- air flow from 2 000 m^3/h to 120 000 m^3/h;
- temperature of the transported medium – 400° C - 600° C;
- folding protective pockets, a strong built-in check valve generates a flare discharge of the gas being removed;
- the possibility of an additional fan protection.

035	040	045	050	056	063	071	080	090	100	112	125
general purpose				corrosion-resistant				corrosion-proof explosion proof			

KROV-DU/DUV

energy-efficient roof radial fans

- air flow from 1 000 m^3/h to 120 000 m^3/h;
- provide the output of the flow upwards;
- efficiency up to 75%;
- create high flow, high static pressure and small noise;
- work is provided both in the smoke exhaust mode and in the combined smoke and ventilation mode.

035	040	045	050	056	063	071	080	090	100	112	125
general purpose			corrosion-resistant			explosion-proof		corrosion-proof explosion proof			

VNR-DU/DUV

energy-efficient wall-mounted fans

- 6 variants of the fan arrangement can be used inside and outside the room;
- cooling of the engine and thermal protection on the shaft protects the engine from the action of high-temperature transported air;
- toroidal inlet with large inlet diameter;
- the special model range is designed for use in aggressive environments.

035	040	045	050	056	063	071	080	090	100
general purpose				corrosion-resistant					

VRAN-DU/DUV

radial fans

- air flow from 1 000 m^3/h to 130 000 m^3/h;
- impeller with back curved blades of special shape, which provides high efficiency and low noise level;
- work is provided both in the smoke exhaust mode and in the combined smoke and ventilation mode.

on 1 constructive scheme

040	045	050	056	063	071	080	090	100	112	125	140
general purpose			corrosion-resistant			explosion-proof		corrosion-proof explosion proof			

on 5 constructive scheme

063	080	100	125
general purpose		corrosion-resistant	

AF-DU

smoke axial fan

- air flow from 2 000 m^3/h to 85 000 m^3/h;
- ehe movement of gases with a temperature of up to 400° C to 600° C for 120 minutes
- the ability to install wheel blades at different angles, which provides a wide range of modes
- the fan has a protective and decorative paint coating.

040	050	063	071	080	090	100	112	125
general purpose								

OZA 201, OZA 501

axial fans

- OZA-201 – short body, OZA 501 – long body;
- all-welded cylinder body with high accuracy of internal circular section;
- asynchronous motor, located in the body;
- impeller with adjustable blade angle.

OZA 201

080	090	100	112	125
general purpose				

OZA 501

040	045	050	056	063	071	080	090	100	112	125
general purpose										

VKOP
air supply roof fans

- for smoke suppression systems;
- provide a direct supply of outside air from the roof overhead to the stair and elevator zones, thereby creating an overpressure.

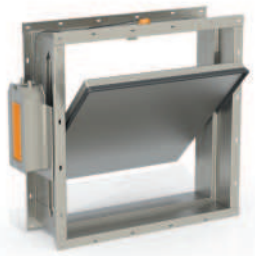
VKOP 0, VKOP 1

040	045	050	056	063	071	080	090	100	112	125
general purpose										

VKOP 2

063	071
general purpose	

KPU-1N
universal fireproof dampers



- are intended for automatic blocking of openings in protecting building constructions, technological apertures and apertures in places of passage of ventilating ducts through interstitial overlappings, walls, partitions;
- produce three types: duct, walling, nipple;
- cassette execution of dampers is provided.

duct		walling	nipple
rectangular	round	rectangular	round

KPD-4
smoke fire dampers

- produce two types: duct and walling;
- the damper is brought into working position in automatic and semi-automatic modes.

KPD-4-01		KPD-4-02		KPD-4-03		KPD-4-04	KPD-4-05	
duct	walling	duct	walling	duct	walling	walling	duct	walling

Controls

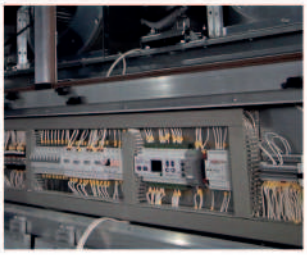
The control cabinets for ventilation systems are designed to control supply air, supply and exhaust installations with a water or electric heater, duct fans, general and special fans, and smoke exhaust.

standard controls

- are intended for control of fans, air heating units, intake and exhaust systems;
- protection and management of executive mechanisms;
- presence of equipment status indication;
- fire alarm connection

built-in controls

- it is structurally executed in the form of an integrated cabinet on the body of the installation;
- compact design ensures quick and easy installation, and ease of maintenance;
- the maximum factory availability – the equipment is made according to the concept of plug & play (hooked up and use)
- to ensure the operation of the ventilation system for the specified temperature parameters, standard sensors and devices for monitoring the operation and protection of the elements of the system, as well as the remote control are supplied as standard.



controls for individual orders

- standard solution with special requirements (preheating, humidifier, optional equipment)
- a special solution for combining several systems (redundant installation, combination of several independent control systems in one cabinet)
- individual solution for special objects (maintaining the microclimate of the pool, managing the operation of systems with steam heaters).

UWS
mixer units

- maintenance of circulation and regulation of temperature of the heat-transfer medium in heat exchangers of ventilation systems and air-supply plants;
- water, aqueous solutions (up to 50%) of ethylene glycol and propylene glycol, saline solutions, etc can act as a coolant;
- UWS1 – are used when connecting heat exchangers to a centralized system of coolant supply;
- UWS2 – are used to ensure the uninterrupted operation of local heating systems that require a constant flow of coolant in the internal and external circulation circuit;
- distinguish the nodes "right" (R) and "left" (L), depending on the direction of the coolant.

Realized objects

school in the village of Pesochin, Kharkiv region

«Hoffmann haus», Kiev

«Forum Lviv», L'viv

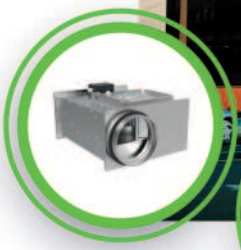
Walnut Global LLC, Kyiv region

metallurgical company "Interpipe", Dnipro

Tripolskaya TPP, Kiev region

Zaporizhzhya NPP, Energodar

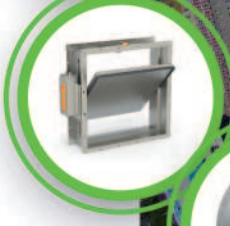
«Horus Paradise», Chisinau



supermarket «Tavria V», Odesa

sports club «SportPark», Chisinau

Pharmaceutical company «Health», Kharkiv



residential complex «Parkovye lakes», Kyiv

food company «Danone Ukraine», Kremenchuk

«Dnepropetrovsk Oil Extraction Plant», Dnipro

car wash "Super Car Wash", Poltava

The main office and production of the company CCK TM are located in Kharkov. Also, a network of regional representative offices of the company across Ukraine:

- KIEV,
- L'VIV,
- DNIPRO,
- ODESA,
- POLTAVA.

The network of regional offices helps in a timely manner to provide personal advice and technical support to customers and customers of the company.

To ensure more convenient and quick service, the company CCK TM introduced the system of electronic orders through trading Internet sites. This system allows you to order and select the necessary equipment at a convenient time, using various tools:
computer, laptop, tablet, mobile phone.

CCK TM B2B portal is a web-site, which is intended for use by partners and customers of the company and is a catalog of duct equipment with all characteristics and special prices.

www.b2b.ccktm.com

The company's policy in the field of sales and customer service is based on the principle of a thorough understanding of the customer's requirements and continuous improvement of both the quality of the ventilation equipment and the servicing mechanisms.

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