

Private Joint-Stock Company  
«VENTILATION SYSTEMS»

**YESTERDAY, TODAY, TOMORROW**  
VENTS – reliable partner

*Fresh air in  
your house!*



05/2013









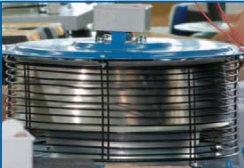






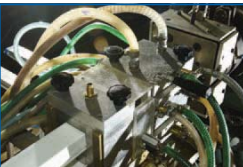










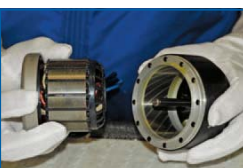
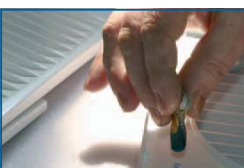



VENTS world means huge production and a great professional team. VENTS world means philosophy of care, comfort, attention, friendship, honesty, partnership, quality and eco-friendliness. VENTS mission is to bring fresh air to your house and surround you with the world of comfortable microclimate.

**Welcome to the VENTS world!**

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VENTS Company (Private Joint Stock Company) was founded in the 90th of the last century. Today we are proud to proclaim:

**VENTS is the worldwide  
ventilation leader**

This deserved status is confirmed by our partners' and consumers' acknowledgement worldwide, by more than 50 million units of manufactured and sold products and finally by the honourable membership in the largest worldwide HVAC associations.

VENTS is a powerful research, development and production enterprise that owns a largest state-of-the-art production facility in Europe and manufactures the full ventilation and air conditioning equipment range from simple to the most complicated product known as VENTS, Domovent, Plastivent, Aluvent, X-VENT, AirVENTS™.

The VENTS product range includes above 10 000 items for residential and industrial ventilation, specially cut for different target audiences and various climatic areas.

The VENTS manufacturing facilities are located at more than 60 000 m<sup>2</sup>. Each of 16 workshops is tooled up in compliance with international standards to cover the fully-featured production cycle. The enterprise engages more than 2000 professionals. Their team work is aimed to provide ready ventilation products from idea and design development up to the ready high-tech product. VENTS ongoing development strategy is based on implementation of innovations and application of advanced technologies in climatic equipment.

**VENTS is the largest  
worldwide ventilation  
production company**




One of the most significant advantages of the VENTS ventilation equipment is a perfect balance between high quality and customer-friendly price policy which is attained due to own large production of all components, assemblies and units of the ventilation products.

**During establishment of the enterprise we have accomplished a number of important production, economical and social principles:**

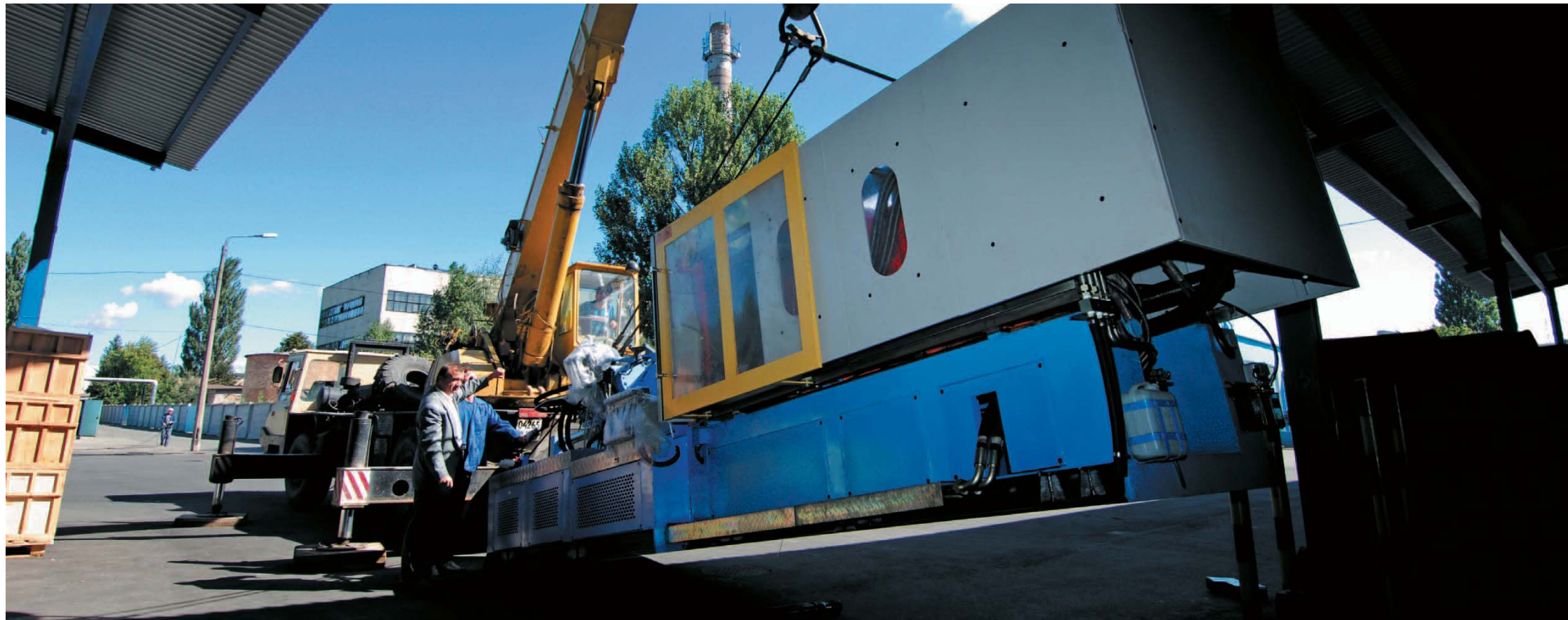
- location of all the production divisions at the common territory and active interaction between the colleagues;
- closed-loop manufacture supported by independent heat- and water supply systems (own boiler facility, transformer and gas-distribution plants, water wells with modern cooling systems);
- integration of engineering, trade, logistics and manufacturing divisions under one roof for fast interaction and communication;
- creation of excellent working conditions for our staff;
- eco-friendly manufacturing processes aimed to the maximum environmental protection.

**VENTS corporate policy is aimed to create the maximum efficient conditions for production of a wide palette of top-quality products**

A close-up photograph of a person's hands using a yellow pencil to draw a technical sketch of a ventilation grille on a white sheet of paper. The drawing shows multiple slats of the grille in perspective. The VENTS logo is visible in the bottom right corner of the drawing. The text "DEVELOPMENT DYNAMICS INNOVATIONS" is overlaid in large, white, bold, sans-serif letters on the left side of the image.

# DEVELOPMENT DYNAMICS INNOVATIONS

State-of-the-art innovations are the preconditions for successful business. Implementation of a good idea and its realization at the market is not enough for the modern dynamic economy. Any new product or service soon becomes «traditional» at the competitive market. VENTS company is the leader for development and implementation of innovative technologies in ventilation field. We establish dynamic trends for the worldwide climatic equipment stock.



The experts of VENTS strategy department are engaged in development of long-term production corporate strategies for efficient implementation of trade plans. They perform ongoing monitoring of available market suppliers of ventilation components, thoroughly select and purchase new production lines.

VENTS product analysis, review of offers on products' modernization and modification from the corporate subdivisions and our clients is one of the most important direction in work of the department's experts.

The department team stays in the know of the latest professional activities and supports close contacts with suppliers and manufacturers.

**VENTS evolution is based on efficient long-term strategy**



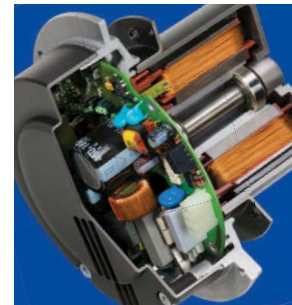


VENTS innovations are based on complex global experience, technologies and expertise in world of ventilation.

The company is involved in permanent development of new engineering solutions to optimize technological processes and improve technical and consumer features. Intellectual iFan series with integrated automation for 100% microclimate control has become one of our latest innovations.

The last generation innovation from VENTS is development and implementation of the ventilation control system based on iPad and iPhone. The program has simple interface and easy control of the equipment settings and is designed for integration of the VENTS equipment into «smart house» systems.

**VENTS evolution is based on efficient long-term strategy**





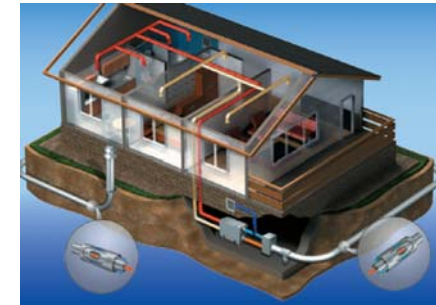
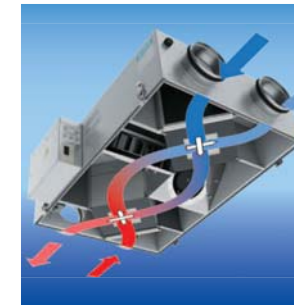


Use of high-efficient EC-motors that have energy demand up to 50% less as compared to standard motors with the same performance characteristics is the most advanced energy-saving solution from VENTS. The electricity bills are by 30% less with EC-motors!

Integration of variously designed heat exchangers into ventilation units with the purpose of utilization of

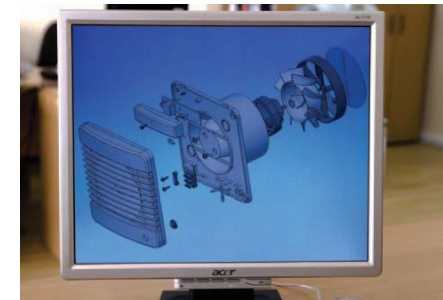
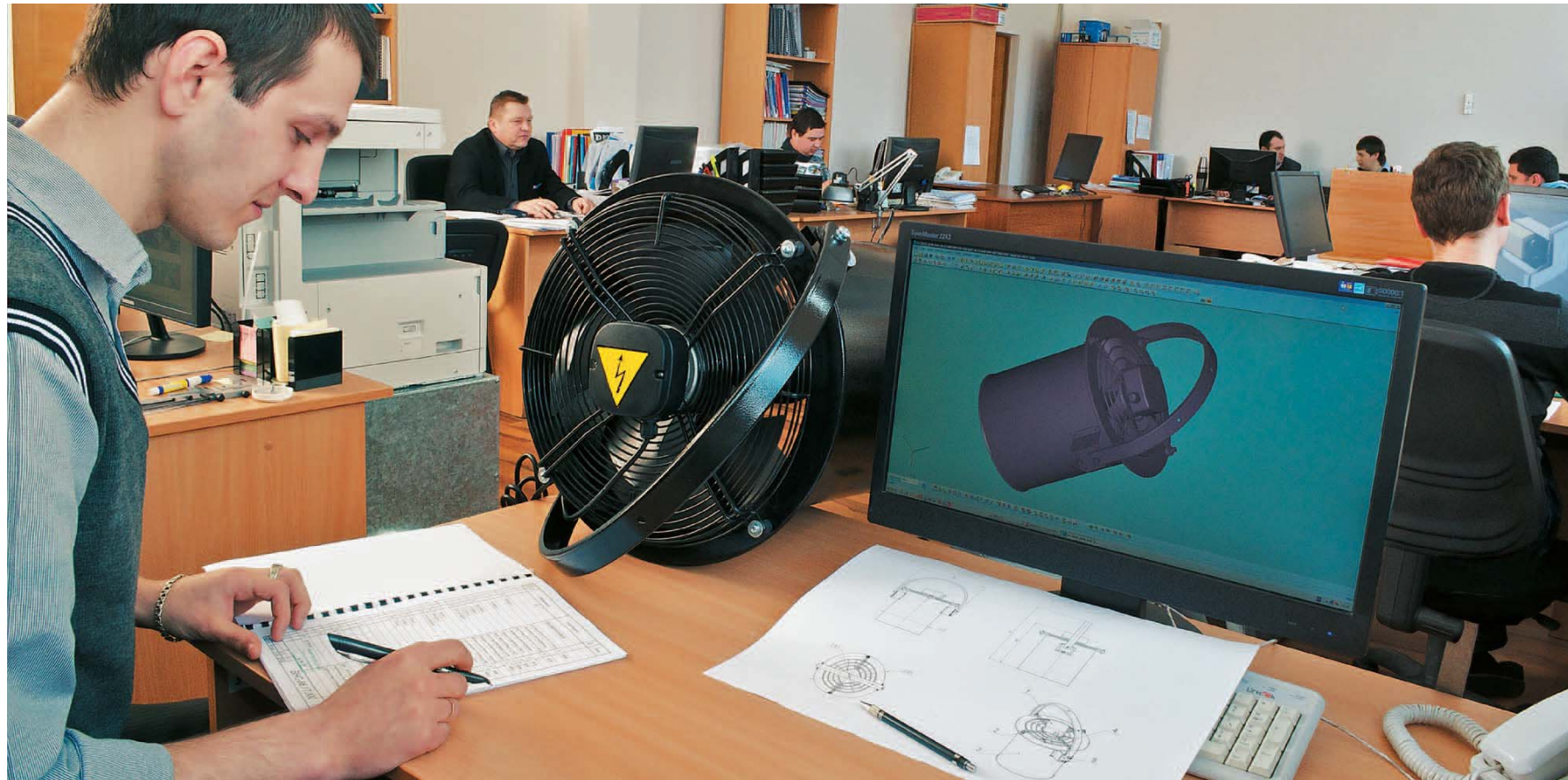
extract air heat or cold for warming up of supply air is another energy-saving technology from VENTS.

VENTS equipment based on geothermal and solar energy sources is also a part of our energy-saving ventilation segment.



**Energy saving ventilation is one of the first-rated developments in the VENTS strategy**

# Design department and test laboratory



New ideas, leading solutions and engineering projects are developed by the corporate design departments using the most advanced scientific technologies in cooperation with aerospace and ship-building engineers.

All the ideas and design developments are converted into experimental prototypes on basis of drawings and computer 3D models.

Each prototype of the future product undergoes a number of test and experiments for compliance with aerodynamic and technical parameters.

However not only new items but the ready-made serial products undergo through regular control.



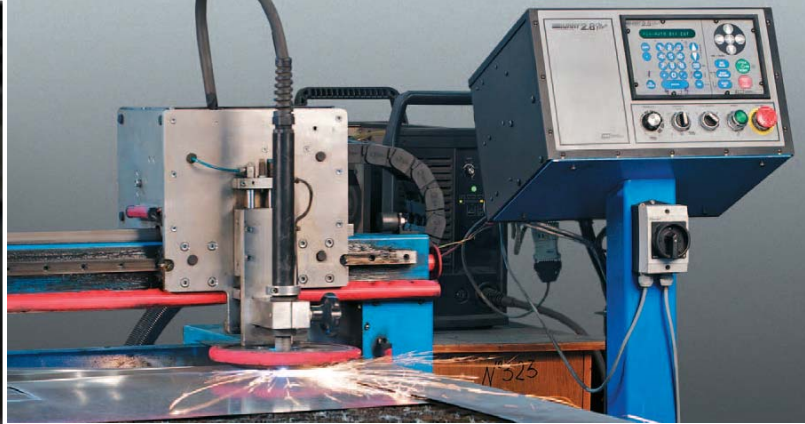
**VENTS design department and test laboratory is the guarantee of high-tech and quality ventilation solutions**



# METAL



# PROCESSING



VENTS possesses own ultramodern metal-working equipment stock which is used for manufacture of a wide variety of extra-quality ventilation products. These products are the component materials used for further VENTS production cycle. Permanent improvement of metal-processing technology, expanding capacities and high-qualified staff allow us to produce the most of the parts and units for kitting-up of ready-made products by own our means.

# Metal workshop



Sheet bending and coordination presses «AMADA» (Japan), automatic cutting centres for metal sheets, welding units and plate rolling machines, press and metal-cutting machines, modern CNC drilling and thread-cutting machines and many other units are available for metal processing in the VENTS metal workshop for manufacture of metal items of any complexity.

At the beginning of 2012 we have started a new customer designed equipment – the CNC bending machine that significantly increases the workmanship of monolithic metal fan casings.

Ongoing strengthening of production capacities allows us to leave behind many other producers in terms of a product range and metalware quality workmanship.



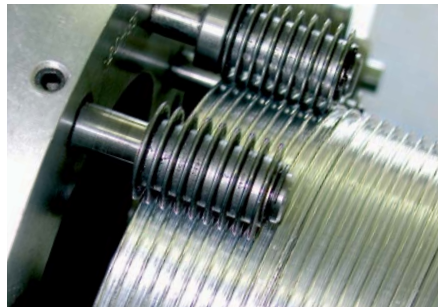


VENTS produces a spiral seam air duct series under the own trademark «Spirovent». The air ducts are made of galvanized or stainless steel bands by means of the spiral winding at the Swiss-made automated line.

We have the last generation equipment and it has higher performance as compared to the previous analogues. The air ducts made at this line have extremely dense seams and infinitely smooth inner surface.

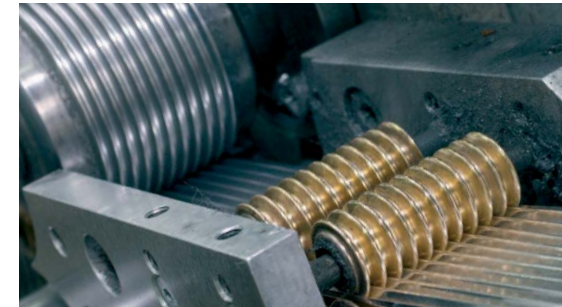
A wide palette of fittings made of galvanized steel as nipples, joints, plugs, bends, reducers, etc. provide assembling of ductwork system of any complexity based on the products from VENTS.





VENTS manufactures a wide range of flexible air ducts under own trade-marks «Polyvent», «Aluvent», «Isovent», «Thermovent». The technical parameters vary depending on a purpose and application area.

Flexible VENTS air ducts are made at high-tech equipment of the leading branch manufacturers from high-quality European materials (aluminium foil, metallized polyether foil, polyurethane, aluminium, galvanized and stainless steel). Due to these factors all the flexible duct series are non-polluting and comply the highest European standards for quality, airtightness, low-combustibility, rigidity, safety and other criteria.



# Powder painting workshop



VENTS powder painting workshop is fitted with modern automated lines for powder polymer coating for the framed goods made of cold-rolled and galvanized steel.

The painting process is effected by highly professional experts following the unique innovative technology developed by VENTS.

Each fan's casing that may be subjected to weather exposure is passivated prior to powder or liquid painting. It is treated in a special solution. The special composition formula creates a film on the casing surface. It is featured with high wear stability and provides protection against metal penetration corrosion within 10 years.





The modern high-production plastic processing lines let VENTS to be the only enterprise in the world that manufactures seven types of various plastic air ducts specially designed for the trademark PLASTIVENT. High-quality raw materials from the best manufacturers are used for manufacture of plastic items. The secret of exclusive quality and great look of the VENTS plastics is our own composition for improvement of the characteristic of raw material base.





Due to ongoing modernization of extrusion equipment, as of today VENTS is the only worldwide producer of 4 types of round and 4 types of flat ductworks under independent mark «Plastivent».

In the middle of 2010 we have commissioned a new extrusion workshop that meets the strictest technological demands for arrangement of such production.

As of today the equipment stock includes 7 high-performance extrusion lines «Weber» (Germany), three of them have co-extrusion functions. The workshop is engaged not only in production of round and flat PVC ductworks of «Plastivent» trademark, but a series of cable channels (tubes and cable ducts) and profiles for assembled grilles.





The VENTS plastic injection moulding workshop consists of more than 100 automatic moulding machines with injection effective volume from 50 to 3500 cm<sup>3</sup> for manufacture of various parts of any complexity.

About 10 types of various polymers from the leading worldwide producers are used in the production process which is a guarantee for high operating and aesthetic properties of ready-made VENTS products.

The plastic injection moulding workshop is busy 24/7. With the twin sets of press-forms no need more to shut down the equipment prior to maintenance operations. Each press-form set undergoes regular servicing that includes full cleaning and replacement of worn parts. The technical condition of all the equipment stock is permanently checked and controlled.





# ASSEMBLY SHOPS

VENTS production is a closed-loop cycle from idea and development to its final assembly and packing. The most state-of-the-art technologies, strict quality control system at all stages, powerful production capacity and the most skilled human resources are the basis of the manufacturing process. Perfectly organized activity allows VENTS to produce the widest product range in terms of its purpose and functions starting from accessories, components, devices, including residential fans and finishing with high-tech air handling units.

# Ventilation grille assembly

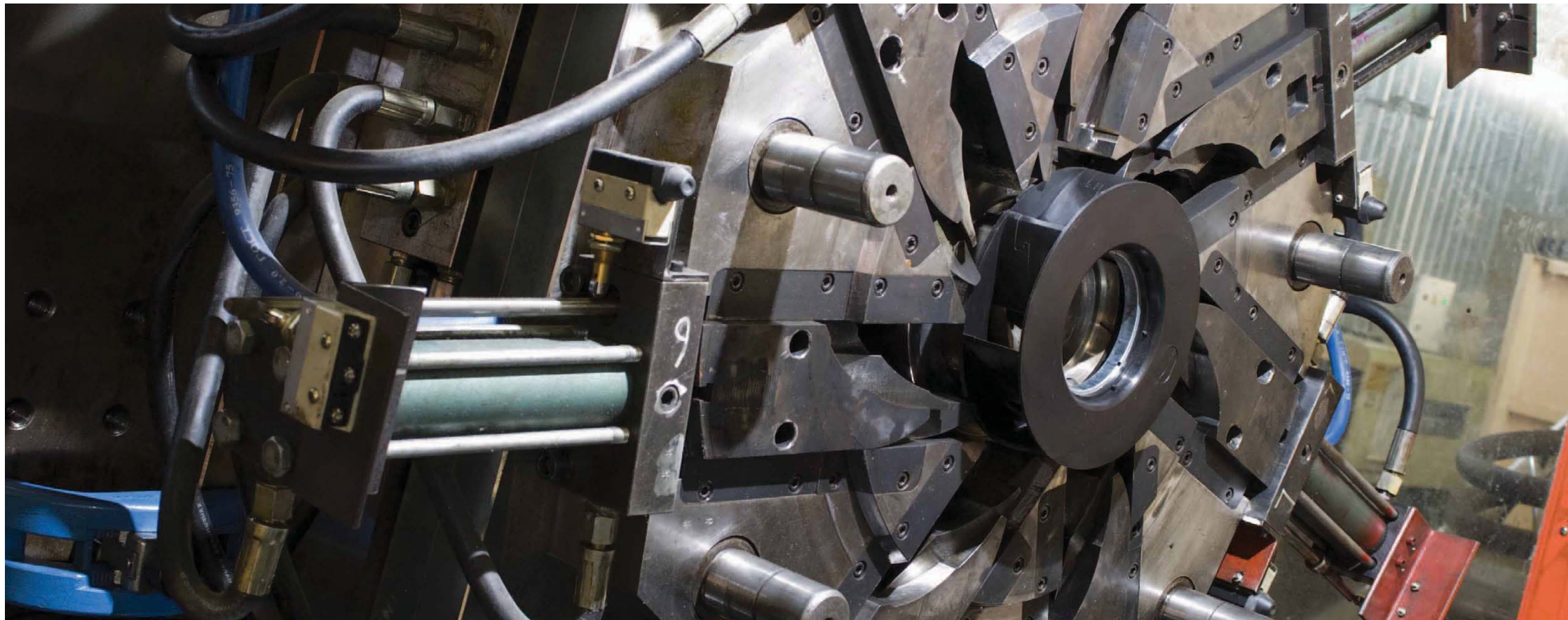


Manifold of forms, sizes, purposes, designs of the grilles for ceiling and wall mounting, both inner and outer application – all that is available in a greatest palette of the VENTS ventilation grilles.

Beginning of the year 2012 was marked by commissioning of a new soldering line for insect screens that is specially cut for VENTS production cycle. Due to the new machinery we managed not only to improve the grille workmanship quality, but to enhance technology and speed up production process.

The modern automatic lines for the goods packing allow to meet high demands of retail and professional market clients. Each production line has an individual specially designed packing. Nowadays we have more than 10 types.

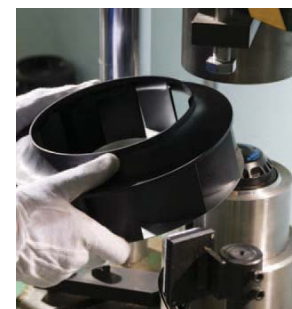




Electric motor is a fan core and its quality determines energy demand of ventilation equipment in general, durability of the service life, noise level and other parameters.

As of today VENTS is one of few manufacturers that produces not only fans but the motors!

The VENTS motors are distinguished by high quality and reliability and all the components are carefully checked. To attain accurate characteristics, low noise level and safe operation each turbine is dynamically balanced at assembly.



# Residential fan workshop

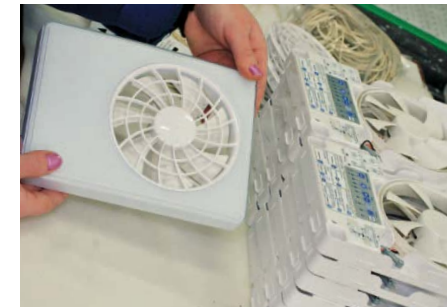


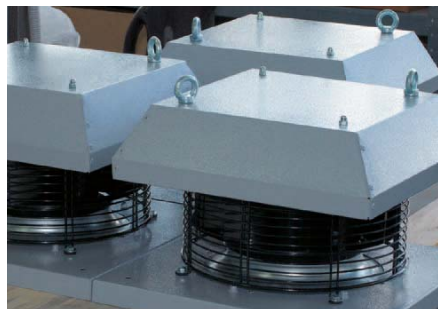
As of today VENTS is the leader in the residential fan sector. We cover 6% of the total world market share.

Following the worldwide trends, we develop energy-efficient residential fans with low energy demand and silent fans that are very popular with various consumer worldwide.

Creation of intellectual ventilation, i.e. the series of residential fans that provide total automatic indoor microclimate control has become one of the latest unique VENTS developments.

We are the first to offer 5 year warranty for our products. We are sure in our warranty conditions due to high-quality components and VENTS innovative technologies.





VENTS rapidly develops the direction of industrial ventilation and produces a great variety of ventilation equipment for complex ventilation systems designed for various applications.

With modern equipment stock, high qualification and expertise of the VENTS team we can produce fans and ventilation components for round ducts from  $\varnothing$  80 to 455 mm and rectangular ducts from 400x200 up to 1000x500 mm.

Duct filters, heaters, silencers as well as centrifugal, roof and inline fans, sound-insulated fans, fans with EC-motors – these products and many other industrial ventilation items meet the highest worldwide ventilation standards.





Electric equipment assembly workshop is a high-tech production sector where all the VENTS ventilation automation and control equipment is born.

The assembly process is organized following the most state-of-the-art technologies with the use of only the best components. Our qualified electronics experts are able to assemble the products of any complexity – from control blocks and controllers for residential, commercial and industrial ventilation up to control systems for air handling units and the most complicated control boards of the modular air handling units.





# Air handling unit workshop



Manufacture of the air handling units is one of the VENTS top priority strategies. High technologies and original design solution enable manufacture of a variety of air handling units with different operating characteristics including power, functions, energy-saving EC motors, heat recovery, innovative software controlled from iPad or iPhone that is easily integrated into «smart home» system.

Modern technologies that are the basis for the workshop production base let us manufacture several heat exchanger types for the VENTS air handling units with heat recovery efficiency up to 90%.





VENTS is the only manufacturing company that produces the air handling units on its own production base.

The air handling units AirVents are designed for arrangement of compact-sized multi-functional ventilation networks. Modularity is the basic advantage of AirVents. Due to this special design the functional unit sections may be integrated in any combinations with respect to individual operating conditions.

Application of only high-quality components from the first-rate world-wide producers is a guarantee for the unit reliability and integrated automation. Assemblies with low energy demand boost the energy efficiency of the whole system.







**Residential fans**  
 – flange diameters 100, 125, 150mm  
 – air capacity up to 365 m<sup>3</sup>/h  
 – max. pressure 140 Pa  
 Humidity sensor  
 Motion sensor  
 Timer  
 Switch  
 Press series – high pressure

Turbo series – high-powered motor  
 12V series – safe voltage 12 V  
 Silenta series – silent fans

**Application**  
 Ventilation of small and medium-sized premises



**Ventilation grilles**  
 – Air supply and air exhaust  
 – fixing with screws or glue  
 – wall or ceiling mounting into air ducts

**Application**  
 ventilation of small and medium-sized premises

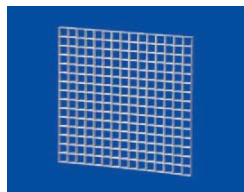
**Metal ventilation grilles**  
 – supply and extract ventilation, conditioning and heating  
 – weather resistant

**Application**  
 ventilation of industrial, administrative, residential and public premises



**Ceiling diffusers**  
 – air distribution devices  
 – compatible and with round  $\varnothing$  80-315 mm air ducts  
 – mounting into suspended ceilings  
 – fixation with screws or a lock ring

**Application**  
 supply and extract ventilation of residential and public buildings



**Ceiling grilles**  
 – air supply and extract  
 – installed into suspended ceilings  
 – easy mounting without any tools

**Application**  
 supply and extract ventilation of residential and public buildings



**Door grilles**  
 – room-to-room air circulation regulation  
 – minimum door leaf thickness 32 mm  
 – fixation with screws  
 – air pass regulation with a tilt wand  
 – mounting into bathroom and kitchen doors

**Application**  
 ventilation of residential, public and administrative buildings



**Swirl diffusers**  
 – air distribution devices  
 – air stream direction regulation  
 – easy mounting with adapter

**Application**  
 ventilation of residential, public and administrative buildings



**Disk valves**  
 – air supply and extract  
 – made of metal or ABS plastic  
 – smooth air pass regulation  
 – easy mounting with flange and lock ring

**Application**  
 residential, administrative and public buildings



**Fittings**  
 – integration of ventilation systems based on round air ducts  
 – high mechanical durability, air tightness  
 – smooth inner surface

**Application**  
 ventilation of residential, public and administrative buildings



**Flat and round PVC ductworks**  
 $\varnothing$  100, 125, 150, 200 mm  
 $\varnothing$  55\*110, 60\*120, 60\*204 mm  
 – connecting dimensions provide  
 – tight connection of the system components without extra sealing or fastenings  
 – precisely adjusted dimensions prevent air leakage  
 – variety of connectors

**Application**  
 ventilation of small and medium-sized premises of residential, office and commercial buildings



**Flexible round and rectangular air ducts POLYVENT™ from polymer materials on wire frame**  
 – low aerodynamic resistance  
 – wide model range

**Application**  
 arrangement of small and medium-sized premises of residential, office and commercial buildings



**Flexible air ducts for ventilation, air conditioning and heating**  
 – air transportation in ventilation systems  
 – made of stainless steel or aluminium  
 – high aerodynamic and strength characteristics  
 – thickness from 50 to 100  $\mu$ m

**Application**  
 ventilation of residential, public and administrative buildings



**Access doors**  
 – accessing to concealed equipment and utility lines  
 – made of high-quality steel and ABS plastic  
 – easy mounting  
 – left- and right-hand mounting  
 – wide model range

**Application**  
 residential, administrative and public buildings



### Inline mixed-flow fans. TT series

- installation into ventilation systems requiring high pressure, powerful air stream and low noise level
- for round  $\varnothing 100-315$  mm air ducts
- compact size
- two speeds
- easy access to motor and impeller without air duct dismantling
- easy and fast mounting
- power: 21-330 W
- max.  $V = 2350$  m<sup>3</sup>/h

### Application

ventilation of residential, office and commercial buildings



### Centrifugal fans. VK series

- motor with ball bearings and overheating protection
- extra durable plastic casing
- compatible with round  $\varnothing 100-315$  mm air ducts
- low noise level
- balanced impeller
- power: 62-310 W
- max.  $V = 1700$  m<sup>3</sup>/h

### Application

ventilation of small and large premises

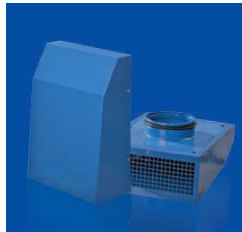


### Centrifugal fans. VKM and VKMz series

- motor with ball bearings and overheating protection
- steel polymer-coated or galvanized steel casing
- compatible with round  $\varnothing 100-450$  mm air ducts
- balanced impeller
- low noise level
- power: 60-665 W
- max.  $V = 5260$  m<sup>3</sup>/h

### Application

ventilation of small and medium-sized premises

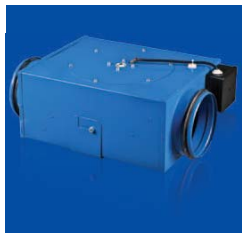


### Centrifugal fans. VCN and VCUN series

- motor with ball bearings and overheating protection
- polymer-coated steel casing
- wall surface mounting
- compatible with round  $\varnothing 100-200$  mm air ducts
- low noise level
- power: 58-104 W
- max.  $V = 710$  m<sup>3</sup>/h

### Application

ventilation of small and medium-sized premises



### Centrifugal fans. VKP mini series

- intellectual impeller for permanent air flow in the system
- made of polymer-coated steel
- three-speed motor with external rotor
- power: 20-45 W
- air capacity 176 m<sup>3</sup>/h

### Application

ventilation of residential and industrial premises



### Axial fans. OV and OVK series

- available with a square and a round flange
- external rotor motor
- polymer-coated steel casing
- power: 55-750 W
- max.  $V = 11900$  m<sup>3</sup>/h

### Application

powerful air supply and extract at low aerodynamic resistance in the system



### Centrifugal fans. VC series

- motor with ball bearings and overheating protection
- polymer-coated steel casing
- compatible with round  $\varnothing 100-315$  mm air ducts
- balanced impeller
- low noise level
- power: 60-296 W
- max.  $V = 1880$  m<sup>3</sup>/h

### Application

ventilation of small and medium-sized premises



### Centrifugal fans. VKPF and VKPFI series

- made of galvanized steel
- models in heat- and sound-insulated casing
- compatible with rectangular 400x200 up to 1000x500 mm air ducts
- equipped with 4 or 6-pole asynchronous external rotor motor
- impeller with forward curved blades – thyristor or transformer speed control
- smooth speed control with thyristor or transformer

- power: 295-1560 W
- max.  $V = 9540$  m<sup>3</sup>/h

### Application

ventilation of residential and industrial premises



### Centrifugal fans. VS series

- made of aluzinc with heat- and sound-insulation
- external rotor motor
- motor with ball bearings and overheating protection
- thyristor or transformer speed control
- power: 245-2000 W
- max.  $V = 16870$  m<sup>3</sup>/h
- compatible with round or rectangular air ducts

### Application

ventilation of residential and industrial premises with high requirements to noise level

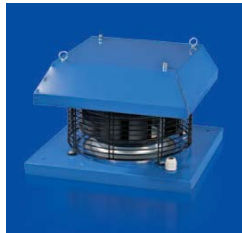


### Centrifugal fans. VCU, VCUN series

- spiral rotary polymer-coated steel casing
- single-phase or three-phase asynchronous motors on ball bearings
- galvanized steel impeller with forward curved blades
- power: 0,125-11 kW
- max.  $V = 19000$  m<sup>3</sup>/h

### Application

ventilation of residential and industrial premises



### Roof fans. VKV/VKH series

- extract ventilation systems on all roof types from flat to sloping
- vertical or horizontal air discharge
- polymer-coated steel casing
- power: 43-640 W
- max. V = 4700 m<sup>3</sup>/h

### Application

ventilation of offices, residential and industrial buildings



### Centrifugal chimney fans. KAM series

- room-to-room hot air distribution from chimneys
- transporting medium system temperature up to 150°C
- galvanized steel casing with heat- and sound-insulation
- single-phase motor with overheating protection
- impeller with forward curved blades
- temperature regulator
- max. V = 540 m<sup>3</sup>/h
- power: 32-116 W

### Application

cottage ventilation



### Supply units. VPA series

- filtration, heating and supply of fresh air to the premise
- aluzinc casing with inner heat- and sound-insulation
- compatible with round ø100-315 mm air ducts
- fan power: 73-296 W
- electric heater power: 1.8-13 kW
- max. V = 1520 m<sup>3</sup>/h
- noise level up to 30 dBA

### Application

Ventilation of cottages, apartments, small shops, cafes, restaurants, hair salons, private pools, offices, workshops



### Supply units. MPA E / MPA W series

- filtration, heating and supply of fresh air to the premise
- aluzinc casing with inner heat- and sound-insulation
- compatible with rectangular 400x200 up to 800x500 mm air ducts
- electric or water heater included
- fan power: 245-1800 W
- heater power: 3.3-25.2 kW
- max. V = 3500 m<sup>3</sup>/h
- noise level up to 55 dBA

### Application

Ventilation of cottages, apartments, small and medium-sized shops, cafes, restaurants, hair salons, private pools, offices, industrial workshops



### Compact air handling units with heat recovery VUT mini series

- filtration, supply of fresh air to the premise and extract of polluted air
- heat recovery efficiency: up to 85%
- made of aluzinc with heat- and sound-insulation
- aluminium cross-flow heat exchanger
- compatible with round ø100-125 mm air ducts
- fan power: 116 W
- max. V = 300 m<sup>3</sup>/h
- noise level up to 45 dBA

### Application

Ventilation of cottages, apartments, small commercial premises



### Air handling units with heat recovery VUT H series

- filtration, supply of fresh air to the premise and extract of polluted air
- heat recovery efficiency : up to 88%
- casing of aluminium sandwich panels with inner heat- and sound insulation
- aluminium cross-flow heat exchanger
- compatible with round ø125-315 mm air ducts
- fan power: 260-1300 W
- max. V = 2200 m<sup>3</sup>/h
- noise level 24-48 dBA

### Application

Ventilation of cottages, apartments, small shops, cafes, restaurants, hair salons, swimming pools, small offices



### Air handling units with heat recovery VUT EH / VUT WH series

- filtration, supply of fresh air to the premise and extract of polluted air
- electric or water heater included
- aluzinc casing with inner heat- and sound-insulation
- aluminium cross-flow heat exchanger
- compatible with round ø125-315 mm air ducts
- heater power: 3-18 kW
- fan power: 260-1300 W
- max. V = 2200 m<sup>3</sup>/h
- noise level 24-65 dBA

### Application

Ventilation of cottages, apartments, small shops, cafes, restaurants, hair salons, swimming pools, small offices



### Silencer. SR and SRF series

- noise level attenuation and prevention of its spreading along air ducts from fans and ventilation units
- ø100-315 mm
- 600-1200 mm length

### Application

supply and extract ventilation of residential and public buildings



### Speed controllers

#### Electronic temperature regulators

- smooth fan speed control
- selection of the best possible fan speed mode
- aesthetic look
- maintaining set indoor temperature level

### Application

supply and extract ventilation of residential and public buildings



### Centrifugal fans. VN series

#### Extract mono-tube ventilation systems

- wall flush or surface mounting
- plastic or fire-proof casing
- two- or three-speed motors
- automatic pressure and air flow maintaining in the system
- low noise level
- max. V = 150 m<sup>3</sup>/h

### Application:

extract ventilation of residential and public buildings



### Centrifugal sound-insulated fans. KSA series

- supply and extract ventilation of premises with high requirements to noise level
- power: up to 570 W
- max. V = up to 1500 m<sup>3</sup>/h

### Application

ventilation of offices, residential and industrial buildings



### Air heating/cooling units. AOW series

- indoor air heating or cooling with water heater and its uniform distribution with fan or louvre shutters
- power: up to 45 kW
- fan power: up to 255 W
- max. V = 3000 m<sup>3</sup>/h

### Application

heating or cooling of large-scale premises as industrial workshops, car repair shops, garages, stocks, trade centres, supermarkets, shops, sport halls, conference halls, exhibition halls, enclosed farms, greenhouses, etc.



### Air curtains. PVZ series

- prevention of cold or warm air penetration from outside through door and gate openings.
- modifications with electric or water heater
- fan power: 2.46-3.87 kW
- electric heater power: 21-45 kW
- power: 2.46 - 3.87 kW
- max. V = 8400 m<sup>3</sup>/h

### Application

industrial workshops, industrial stocks, car repair shops, garages, trade centres, sheltered markets, supermarkets, exhibition halls, etc.



### Air handling units with heat recovery. VUT PE/ PW series

- compact suspended units for filtration, supply of fresh air to the premise and extract of polluted air. Extract air thermal energy is utilized for warming up of fresh supply air.
- heat recovery efficiency: up to 90%
- electric or water heater included
- fan power: up to 990 W
- max. V = up to 4000 m<sup>3</sup>/h
- noise level up to 58 dBA

### Application

ventilation and air conditioning systems installed in various premises requiring economic solution and controllable ventilation systems. Due to EC-motors the energy demand may be decreased by 1.5-3 times, high performance combined with low noise level



### AIRVENTS air handling units

- Modular air handling units consist of several functional sections that may be integrated in any combinations to meet consumers' demands depending on operating conditions at various objects
- air capacity up to 40000 m<sup>3</sup>/h

### Application

ventilation of offices, banks, cinema and theatre buildings, sport halls, hotels, residential and industrial buildings, stocks, supermarkets, etc.



### Air flow regulating dampers. RRVA series

- multi-blade damper with counter rotated blades for air flow regulation or automatic shutoff of a square air duct
- flange size: 400x200 up to 1000x5000 mm

### Application

mounting into ventilation systems of cottages, apartments, small shops, cafes, restaurants, hair salons, swimming pools, small offices



### Mixing sets. SKRA series

- for mixing (recirculation) a part of extract air with intake air in required ratio. Recirculation (return a part of extract air) ensures utilization of warm extract energy and return it to the room
- flange size: 400x200 up to 1000x5000 mm

### Application

mounting in ventilation systems installed in cottages, apartments, small shops, cafes, restaurants, hair salons, swimming pools, small offices



### Flexible silencers

- noise level attenuation and prevention of its spreading along air ducts from fans and ventilation units
- air duct diameter: ø100-315 mm
- length: 500-2000 mm

### Application

joint operation with a sound-insulating fan for extra noise level demands to air ducts and equipment in general



### Water/DX coolers. OKW and OKF series

- duct water/freon air coolers for supply air cooling in rectangular ventilation systems and supply and air handling units
- flange size: 400x200 up to 1000x5000 mm

### Application

supply and extract ventilation of residential, administrative and industrial buildings



### Transformer speed controllers. RSA series

- air capacity regulation of single- or three-phase motors for selection of comfortable ventilation mode, pleasant indoor microclimate and energy resources saving.

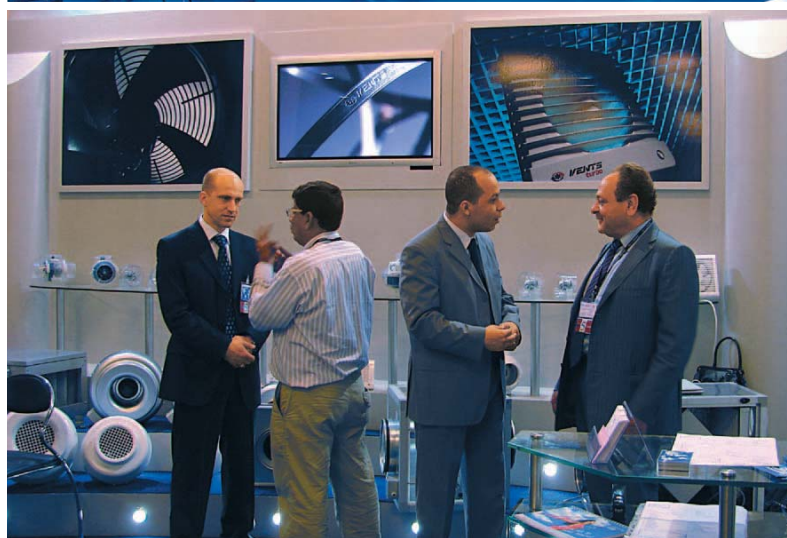
### Application

supply and extract ventilation of residential and public buildings

# PARTNERSHIP AND QUALITY



For about two decades we have been maintaining productive and long-term relations with suppliers of raw materials, component as well as with our customers and trade partners. Worldwide acknowledgement of VENTS as a leader in ventilation industry and reputation of the stable and reliable partner has become the result of this persistent continuous work. VENTS annually participates in more than 30 the most significant international exhibitions and salons specifically cut out for climatic engineering. That is our way not only to promote our own products at the worldwide markets but to render marketing support to our partners.







Due to inner technological normative documentation and thoroughly designed quality control system, VENTS products always meet the strictest quality and safety standards (CE) and are certified by the most reputable international certification institutes and organizations – TÜV (Germany), PCBC (Poland), EVPU (Slovakia), Ukrtest (Ukraine), RosTest (Russia), AMCA (USA), HVI (USA), etc. VENTS manufacturing process is certified in compliance with international quality management system for organizations and enterprises ISO 9001:2000.



Compliance with modern worldwide standards is an integral part of any VENTS product!



# Partnership



VENTS company has a distributor network more than 90 countries. We have about 500 trade partners all over the world and cover about 1% of the worldwide ventilation market.

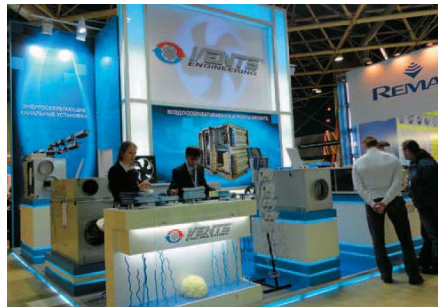
VENTS manufactures the products with the striving to meet all the demands and wishes of our numer-

ous partners and users. We are ready to consider the special desires of each client. Ongoing expansion of our product range and improvement of the products quality is a logical result of this permanent open dialogue. This policy is a precondition for stable growth of VENTS and our partners.

**VENTS Company is a stable and reliable supplier of in-house fabricated ventilation products available in a rich palette**



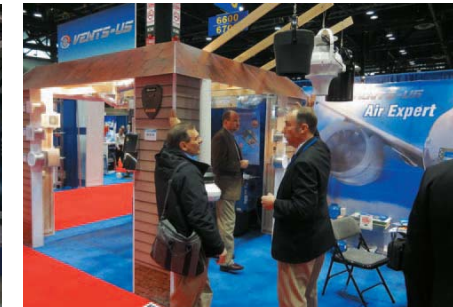
# VENTS in the world



With the purpose of marketing and information support to our partners, the VENTS representatives take active annual participation in profiled international and domestic exhibitions, salons and forums specifically dedicated for HVAC industry. This participation is a wonderful opportunity to demonstrate the corporate powerful potential and to show the latest ventilation technological innovations.

Exploring new markets and further partnership development open new horizons for promotion of the most advanced ventilation ideas from VENTS in the world.

**VENTS is the international ventilation leader**





VENTS is a member of the most honourable international organizations – HVAC experts.

Since 2008 we have become a full HARDI member (Heating, Air-conditioning and Refrigeration Distributors International Association, USA).

Since 2010 we have possessed the membership in AMCA Association (Air Movement and

Control Association International Association, USA).

In 2011 the VENTS products successfully withstood tests for compliance to AMCA standards and was certified in USA.

In 2011 VENTS joined the members of HVI (Home Ventilation Institute), USA.

**VENTS is the only Ukrainian manufacturer – member of USA institutions HARDI, AMCA and HVI**





Efficient organization of logistics makes it possible to deliver any VENTS products everywhere anytime.

The stock resources is optimized in such a way to minimize any product delay at a stock. Control of flow of goods, documents circulation, internal and external communication process is a smoothly running business process designed to expedite the goods dispatch and delivery.

The storage facilities are equipped following European standards and fitted with modern hoist machinery for cargo operations.

**Efficient VENTS logistics is one of key features of our success!**





Our company has a special department of ready DIY solutions aimed for fully-featured trade and marketing support for our partners engaged in the construction DIY (do it yourself) supermarket business.

VENTS carefully selects products for DIY retailers and offers efficient individual planograms for each shop.

DIY experts of the company regularly prepare marketing printed materials and demo equipment for promotion of the VENTS equipment.

VENTS trade solutions are always exclusive, quality, functional and featured with original design solutions.



Variety of VENTS trade decisions is the secret of our success!



A unique event for climatic industry took place in autumn 2012 – the company VENTS opened the largest exhibition ventilation center in the world. The total VENTS ventilation product range, starting from accessories and small domestic fans and finishing with modular air handling units and ready ventilation projects, is exhibited at 500 m<sup>2</sup>. The comfortable conference area of the exhibition center is fitted with modern audio and video equipment for presentations, master classes, training and other VENTS promotional and business meetings.

**Exhibition center is a powerful trade support tool**



# ECOLOGY



Environmental friendliness of the production and the products is in the focus of VENTS attention. Annually we develop and implement new technologies to reduce production wastes and minimize energy demand. We do our best to preserve our wonderful environment. We follow the last decade industrial trend and integrate EC technologies and energy-saving motors into our ventilation equipment. Use of VENTS ventilation energy saving products is not only safe and cost-saving for the users but also environmentally-thinking.





VENTS keeps a watchful eye on the inner production standards in terms of ecology. We implement new technologies to meet the latest environmental demands.

Our manufacturing facilities are located in a picturesque place on a border-line with a forest resort. The high-tech process is develop with the idea not to harm the nature around us. During the plant construction we preserved all the green planting, including the line of 40-years blue spruces.

The corporate policy is aimed to further development of the clean and green production and compliance with European standards.

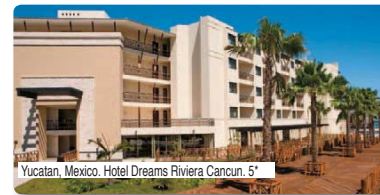
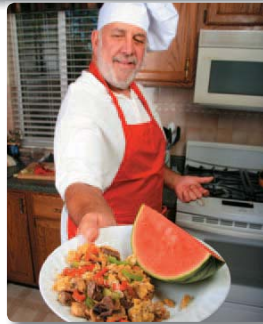
**Ecological production is one of the VENTS top priorities**



Fresh air in your house!



6 continents  
 90 countries  
 100+ cities  
 1000+ installations



# Fresh air in your house!



Tashkent, Uzbekistan. Office Center, 25000 m<sup>2</sup>



Jakarta, Indonesia. Shopping Town, 130 000 m<sup>2</sup>



Ayia Napa, Cyprus. Adams Beach Hotel, 5\*



Moscow, Russia. Apartment House, 8000 m<sup>2</sup>



Manila, Philippines. Apartment House, 8000 m<sup>2</sup>



Talin, Estonia. Living house



Hong Kong, Mansion, 32 floor



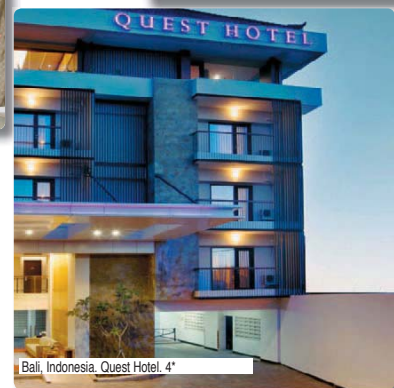
Kavarna, Bulgaria. Apartment House, 3000 m<sup>2</sup>



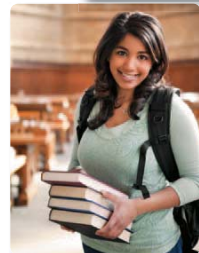
Paris, France. Office Center Class B, 4000 m<sup>2</sup>



Mexico, Mexico. Corporate Office



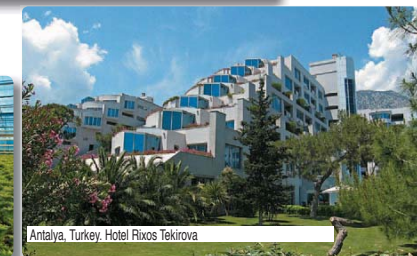
Bali, Indonesia. Quest Hotel, 4\*



Ulan Bator, Mongolia. «Tuushin» hotel



Colombo, Sri Lanka. Apartment House, 12 floor



Antalya, Turkey. Hotel Rixos Tekirova

