

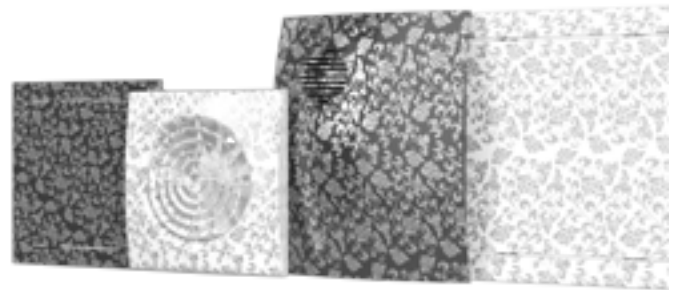


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Akvavent company prepared series of recommendations for color and stylistic concepts for different types of interior design. Having a big color range, we want our product to be in harmony with your ideas. Color collections extend to domestic fans, revision hatches, dekokots, and also air distributors. The wide size range will satisfy any requests and help to create unique ventilating system. Each element has individual design and qualities, in combination with interior they add originality to household.

The key role in creation of an original interior is the choice of color. Correctly selected color scale will make your house attractive, cozy, and make you feel comfortable.

Color is an important component of the world. And often it sets «mood» not only to our personal space, but also ourselves. Skillful use of colours and their combinations in an interior can change any room beyond recognition, transform its visual perception.



So, it is not a secret that cool, soft colors can expand walls and make the room look bigger than it is. While warm, dark and bright shades, vice versa, visually decrease the space. Color can not only adorn an interior, but also perish it, that's why it is necessary to work with it very carefully. Besides, it is desirable to learn how to work with color compositions.

Colors are divided into two groups: the inspiring warm and calming cold ones. Warm scale is presented by red, orange, yellow. Among cold colors there are blue, green, violet. There are neutral colors: white, gray, black. Interior shouldn't be made in one single color. General color combinations can help to make apartment comfortable and matching to owner's preferences. The main thing — is not to be afraid of experiment: combine colors and use bright accents.

Rooms can be visually expanded or decreased, sunny rooms can visually look more fresh, rooms with north-directed windows can feel warmer. For example, dark and warm colors close walls, and light or cold — expand them. The ceiling will look higher if you make it one tone lighter than walls. And it is possible to extend windows, if window frames are painted the same color as walls.

Prevalence of this or that color in an interior affects atmosphere and mood of the person. For example, monochrome interior exhausts people, multi-colored atmosphere makes a positive impact on life.

Color schemes in an interior can be different, but it is important to know that every color has its own magic.



Thus, you should select colour schemes for the house more consciously. It is necessary to understand that various shades can cause mixed feelings. The most important is to aim for color balance in an interior, keeping in mind impact colors make. Thereby you will be able to control the psychophysical and emotional state.

Ivory is traditionally associated with nobility and luxury, and products made of ivory were always a symbol of prosperity and greatness.

Akvavent company produces a wide range of products in **ivory** colour — fans, ventilating grills, revision hatches. There are different techniques to get high quality product coloring and coating. German RAL standard is used as color chart.

Ivory colour looks interesting and lively color, in comparison with simple white.

It has several variations, most often with brown or yellow shimmering- cream, papyrian, deep alabaster. Other its shades — beige, peach and pink Ivory are also widespread.

Ivory color remains up-to date regardless of frequent change of fashionable trends in the world of design. It is suitable for any premise in your house: living room, kitchen, bedroom, nursery.

- Visually expands space which benefits to small rooms;
- Looks splendid in a room where furniture, doors and walls are made in ivory color;
- **«Ivory»** is a neutral shade that can be used as the main background in an apartment interior.
- This color makes a positive psychological impact in combination with other color compositions.
- looks interesting in combination with chocolate, brown, deep red colors.

Ivory color is an excellent basis for creative solutions that allows to play on contrasts, to experiment, create unusual combinations. Depending on the chosen add-ons, colour can change the atmosphere around, giving a cold or warm shade. At the same time the color will remain simple and elegant to the room.

Ivory colour is universal for any style — from moderate classics to ultramodern variations of modernism.



«Ivory» – an ideal decision for any interior!





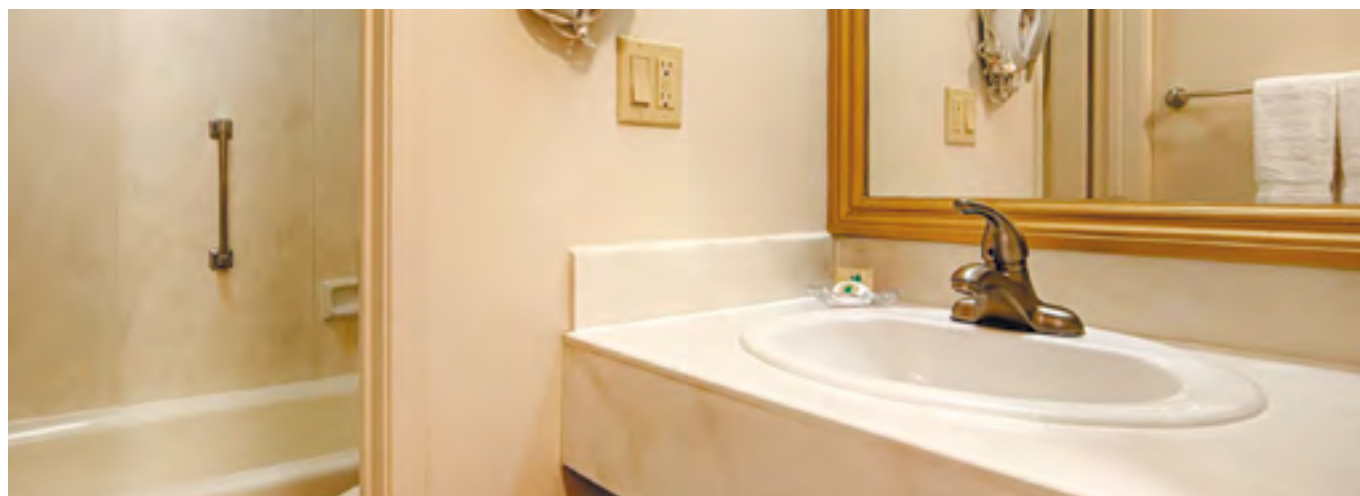
Ventilation grills of RR, RTs, RRP and MTs series will perfectly complete an interior of kitchen in **Ivory** color and create an impression of well elaborated project. These decorative grills will hide supply and exhaust exits of ventilating systems, create a cosy atmosphere. Shades of warm lacteous color are suitable for kitchen of any style and can be combined either with pastel or bright contrast colours of orange, green, lavender, beige, brown and gold. Regardless of the room size the design executed in light tones will look spectacular. The reason is that ivory and coffee with milk colors became classic and can hide the flaws of a room, expanding it.

All fans of the ArtFan trademark are presented in Ivory colour. Low noise and energy saving ArtFan fans will perfectly fit into your interior, modern design and aesthetic appearance will make an interior with a twist. It is important to create a quiet, relaxed atmosphere at home.



Revision hatch door of LTP series or dekofot of DF series will perfectly fit into a bathroom and toilet room, hiding engineering communications. Shade of **«ivory»** can't compete in brightness and deepness with the main range of colours, its elegance and moderation are the key to its success. If you want to design a bathroom in light tones, but white colour is boring for you, **Ivory** will become the best alternative.

This result can be achieved with light discreet colors. People who prefer light interior gradually switch from white to **ivory color**, considering it perfect for warm atmosphere.





Gray color gains a lot of popularity thanks to its successful combination with different interior styles and its neutral look. Available in a lot of half tones, it became the most favorite color for designers.

One of the reasons is a current trend to create interiors with neat and clearly defined lines. Despite wide scale of shades, it looks more favourably in combination with other colours, for example, cream and white, gray-brown, gray-beige or gray-blue.

You can achieve special effect by means of lilac-gray and gray-green. **Gray color** is traditionally perceived as industrial. It is color of metal, concrete constructions. However there are trends in which the interior is inconceivable without **gray color**:

- Loft
- Hi-tech

Remarkable ability to be in harmony with all other colours makes it possible to incarnate any author's idea.

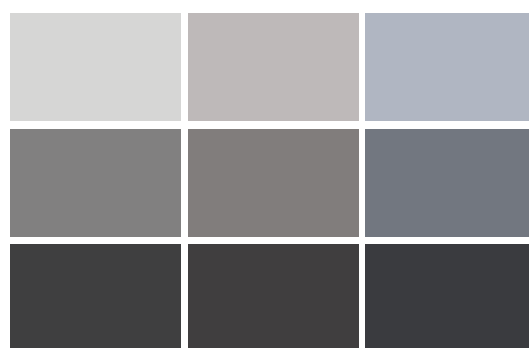
If **gray color** is taken as a canvas there will be dozens of interior design schemes that are based on color and stylistic preferences of apartment's owner.



Gray

Warm Gray

Cold Gray



Champagne color is a light shade of yellow-orange color, is similar to beige. A standard is a color of the alcoholic drink of the same name. Color has beneficial influence on human nervous system contributing to good rest and relaxation. In fact **Champagne** is one of the main background shades because it looks good in combination with the majority of colours.

Thanks to light tone it will help to extend space visually. Fans of the STANDARD series of the ArtFan trademark in **Champagne colour** will perfectly adapt into such warm interior, giving a feeling of integrity and completeness of created design. They are suitable for both spacious and the small room.



Champagne is considerably universal therefore is easy to combine it with other colours.

There is a lot of options which can be seen on photo. With adequate approach **Champagne** allows to create surprisingly elegant, gentle and fresh interiors with bright identity.

- **Champagne** in combination with gray shades creates quiet and pleasant atmosphere.
- **Champagne** with black color will be suitable for those, who aren't afraid of experiments and bold combinations. At the same time it is important not to add too much black color and to avoid making room look gloomy.
- The duet with red or noble claret gives elegance. Crimson or pink will also look good in combination with champagne color.
- The combination of this color with violet and lilac shades looks interesting.
- **Champagne** will make the turquoise colour look softer.



Designers often appeal to black-and-white combination to add some chastity and modernity to interior. Such color scheme is pertinent in any room of any style.

Because of bright **contrast**, the monochrome design can help to divide space, to designate graphic forms, open work details made in black and white give an impression of an elegant curtain. Shades of grey are added to blend between such contrast colors. **Monochrome black and white palette** is often used to create basic color scheme for the whole house. Despite variously decorated rooms this color scheme can unite all elements together to create completed picture. Accents and bright elements can easily be added to such an interior: it's enough to decorate windows with curtains of a deep color or add flashy accessories and small attributes.



Contrast of these two colours can be surprisingly elegant, as long as they are moderately used and there are other colorful elements on the background. Products of Akvavent company will perfectly add to color scheme, and also will become an excellent accessory, bright stylistic accent in design.



Recently this color is considered to be one of the most highly requested among design projects, at all times it was associated with aristocraticness and wealth. This entails golden color. When in the past **gilding** was available only to wealthy society nowadays **golden elements** are easy to obtain by anyone.

Being flamboyant and expressive this color allows to create unique harmonious style, without going too far. **Golden color** really draws the eye, can breathe new life in strict classical style or add chic in minimalism.

Even freestanding **golden objects**, such as ArtFan fans or revision hatches of L series in **Gold color** will be enough to dilute an interior and to give elegance.

Products in golden color will truly emphasize and complete the Italian style of Renaissance — Baroque.

The flashy luxury is a characteristic of **Baroque style** though it holds such important feature of classical style as symmetry. There was an abundance of color and huge decorations like murals on ceilings, marble walls and accessories, gilding.

Patterns to use golden color in an interior:

- **Golden color** is warm shade if used correctly it can create a cozy feeling in your house;
- this color reflects light from a surface therefore optically expands the room;
- the best option to use **golden color** in design is to pick up the gold accessories or minute objects with a shade of gilding;
- **golden color** looks refined and noble, but only if the room is big and light;
- it is necessary to harmony of style approaches — **golden color** requires appropriate company.



Mirror panels and mirrors are very popular, but are quite difficult in application. Skillful use of mirror panels will allow you to expand space and height of the room significantly, and to solve also some other problems. Most often mirror surfaces meet in hi-tech style. It is remarkable that poor decor is perfectly compensated by play of light on the various chrome-plated surfaces.

The interior in hi-tech style often doesn't need available additional decorative elements, because great amount of light refracted in the chromeplated and glossy surfaces is reflected in mirrors and glass, completely replacing any decor.



The interior in hi-tech lacks home comfort – each detail has practical meaning. All constructions are simple and straight-lined, materials are practical and convenient, room is divided into several zones. The main principles of style are: observation of geometric forms and proportions, use of metal, glass and plastic.

The hi-tech design is requires compliance with the following principles:

- minimum decorations - no engraving , stucco molding, animalistic or vegetable patterns;
- the main color scale – light colours (white, shades of gray);
- abundance of equipment – built-in equipment which helps to make household chores simple and easy;
- doors and screens are made of glass, dishware doesn't have drawings, metal and glass decorations are used.



Domestic fans

Domestic ArtFan fans have modern design and equipped with a large number of options. Made of high-quality plastic, lightweight fans are easily mounted. Most experienced clients highly appreciate a variety of color schemes and wide size range.



ArtFan Design

Especially for our clients, we have developed a wide color range (**ArtFanDesign**) for the creation of unique stylish projects, which are thought out to the last detail!



SmartFan

Our company developed a product, the most convenient in operation, possessing high technical characteristics. It has several operating modes, control of the fan is exercised on unique algorithms Fusion Logic. **Our Smartfan is a device, which thinks for you!**



Commercial fans

Conditions of air environment in the working room has to meet sanitary and hygienic standards. That's why it is necessary to provide good air exchange. Correctly designed ventilation system helps to support comfortable conditions for the person. Inflow of fresh air increases attention, brain and physical activity.



Our new fan is adunation of advanced technologies and distinguished modern design!

The smart, stylish, powerful fan, which uniqueness consists in a possibility of control by means of the smartphone or a pad. The mobile app allows to use several additional functions:

- control of fan rotational speed,
- the postponed start and start delay, setup of operation, according to the necessary daily schedule
- control of light and humidity sensors.

Advantages:

- High efficiency
- Low noise level
- Several operating modes
- Finger-tip control through a mobile app
- Simplicity of installation and operation
- Wall and ceiling mounting
- Availability of additional functions



Series of SILENT fans

Axial ArtFan fan of **SILENT** series is a combination of modern stylish design and an engineering thought for your house. Each detail deserves special attention.

The case and impeller are made of the high-quality ABS plastic, resistant to ultraviolet. The special aerodynamic form of an impeller of the mixed type provides high performance and low noise level.

Design layout



SILENT 4 Black Chrome

This series will also be available in ArtFan Design, that will become bright finishing accent in your interior!

A series of **SILENT** fans is presented by three models:

SILENT 4 (100 mm),

SILENT 5 (125 mm)

SILENT 6 (150 mm)

which are available with various options.



Fans are equipped with energy efficient motors on ballbearings, with the extend service life and overheat protection. Motors are fixed to the case by means of specially developed fastenings which prevent transfer of vibrations and noise from the motor to the fan case. The shortened flange will allow to install the fan easily to the shaft or to connect an air duct of the corresponding diameter.



Packing description



Bar code EAN13



where
STANDARD - model name
4 - flange dimension (4", 5", 6")
C HT-02 - option combination



QR-code as quoted by article page

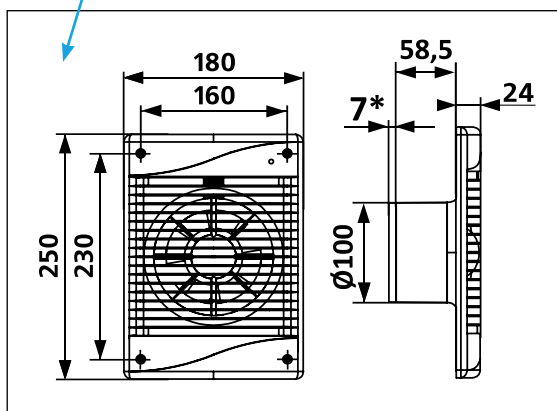
	C*	-02	ET	ETF	ET-02	HT	HT-02
BACK valve							
PULL cord							
ELECTRONIC timer							
PHOTO sensor							
HUMIDITY							

List of optional types of this model

W	m ³ /h	dB(A)	mA	Kg	IP
16	100	35	70	0,7	24

List of technical characteristics, where:

W - Power efficiency
m³/h - Capacity
dB(A) - Noise level
mA - Current consumption
Kg - Net weight
IP - Degree of protection



Scheme of overall and installation dimension



Certification marks



STANDARD 4

Model name and flange dimension



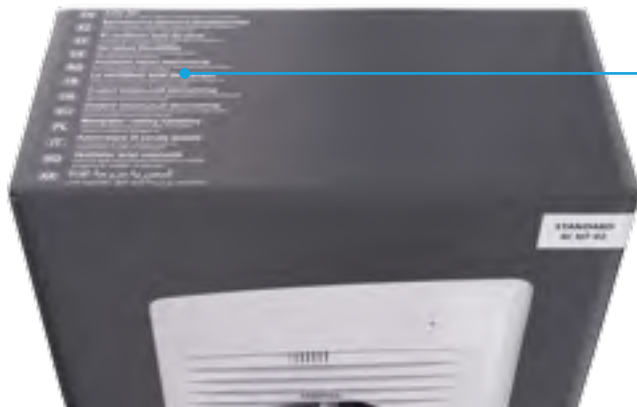
Icons of constructive fan options is an integral part of the device.

Ø100

Color strip along the fan box and digital designation indicate the fan flange size:

(Ø100 - yellow, Ø125 - blue, Ø150/
Ø160 - green)

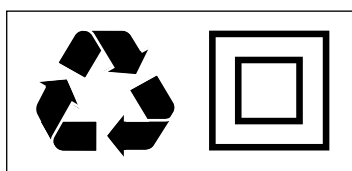




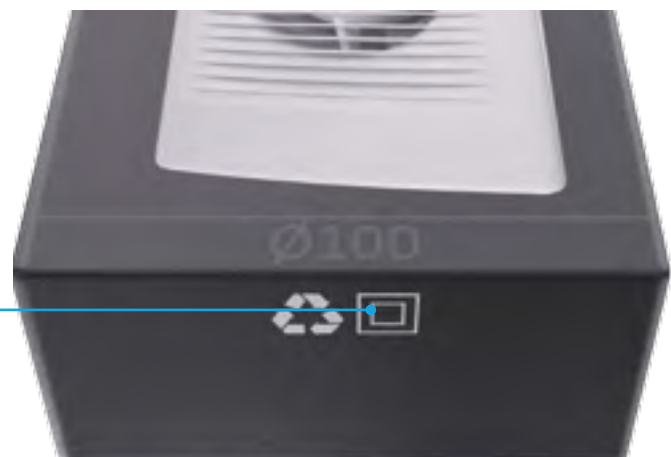
EN	Axial fan The axial fan is used in inflow or exhaust system of ventilation
KZ	Белағаштың арнаның желдеткіштері Кіндіктің арнаның желдеткіш ауаны жаңартудың сырудың немесе тарту жүйесінде пайдаланылады
ES	El ventilador axial de canal Ventilador de conducto axial se utiliza para el suministro y sistema de ventilación de escape
DE	Der axiale Kanallüfter Der axiale Kanallüfter wird in Zuluftung oder Abluftentlüftung verwendet
BG	Аксиален канал вентилатор Аксиални тръбата вентилатор се използва при доставките или изпускателната фен система
FR	Le ventilateur axial des canaux Ventilateur hélicoïde pour gaine est utilisée pour alimenter le système de ventilation et d'échappement
UA	Сьової каналний вентилятор Осьової каналний вентилятор використовується в припливної або витяжної системи вентиляції
RU	Осевой канальный вентилятор Осевой канальный вентилятор используется в приточной или вытяжной системе вентиляции
PL	Wentylator osiowy kanałowy Osiowy wentylator kanałowy służy do zasilania i systemu wentylacji wyciągowej
IT	Ammiratore di canale assiale L'ammiratore di canale assiale è usato in scappamento o cucto di ventilazione
RO	Ventilator axial conductă Ventilator axial conductă este folosit pentru a furniza și sistemul de ventilație de evacuare
AR	المحورية مروحة القناة يستخدم محوري مروحة لاصق لتوفير ونظام تهوية العادم

Full name and correct use of the product

Symbol of reutilization is the international sign of waste recycling. It points that goods are made of raw materials received by recycling or material, which can be subjected to reclamation.

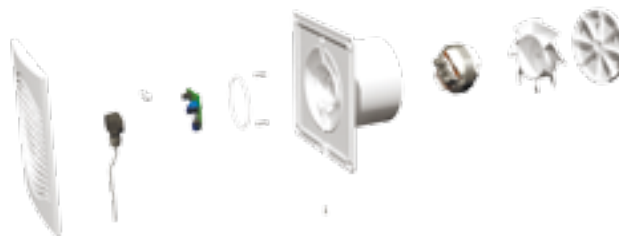


Class notation of protection against electric shock



To choose the fan, it is necessary to remember some parameters and technical characteristics:

1. Overall dimensions
2. Capacity, m^3 / hour
3. Noise level, db(A)
4. Safety against waterlogged environment IP
5. Functionality of instruments, constructive and additional options
6. Design

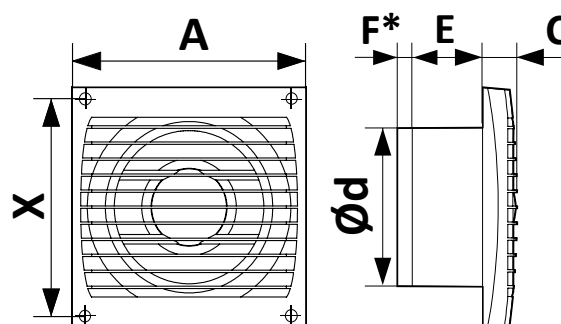


1. Overall dimensions

It is required to make control measurements of ventilation shaft, because a fan has its individual sizes:

- height;
- width;
- depth.

Height and width of a ventilation shaft are measured for calculation of fan installation dimension. The installation dimension of the fan is less than overall ones. A ventilation shaft shouldn't be bigger than installation dimension, however there are exceptions – for example when it is provided by the project. Defects which can arise along edges of a ventilation shaft, will help to hide overall dimension.



A – Overall dimensions

X – Installation dimensions

All sizes are specified by the manufacturer in technical passport and on individual packaging.

Depth of a ventilation shaft needs to be measured to define whether installation of the chosen fan to a ventilation shaft is possible. It is especially important for fans with back flow valve, because during the work the valve opens and adds to flange depth the additional size :

- for \varnothing of 100 mm – not less than 40 mm.
- for \varnothing of 125 mm – not less than 53 mm.
- for \varnothing of 150 mm – not less than 65 mm.

How to determine fan flange depth?

For the fan without back flow valve it is the size E.

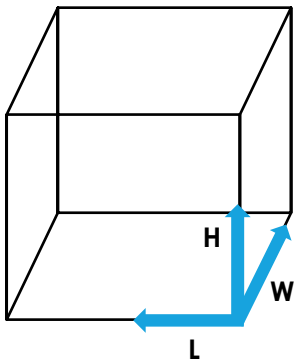
For the fan with back flow valve, it is calculated as follows:

depth = size E + size F (back flow valve) + size of opening of the backflow valve.

2. Capacity, m³/ hour

Let's calculate airspace : let's times length of the room (L) its width (W) and height (H), and then we will round up the resulting number.

Now the resulting airspace times air exchange rate. Air exchange rate is a number, which shows how many times an hour air has to change on fresh.



Air exchange rate always depends on type of the room and is set in construction standards. For example, air exchange rate in the bathroom amounts 6-8 according to construction standards. It will be 6 if up to 3 people use a bathroom in your house, if this quantity is more than 3 the air exchange rate will be 8. Air exchange rate for a toilet will be 6-10. As practice shows that it is necessary to choose the fan which has higher technical characteristics above calculated parameters. Usually capacity of fans for bathrooms and toilets amounts 95-100 m3/hour.

3. Noise level, db(A)



The fan is powered to rotation by the electromotor which operation always came with noise of two types – mechanical and aerodynamic. The first is capable to penetrate into premises, being extend over an air duct, the second is a result of vibration of constructional elements (walls of the protection cover of the exhaust fan and air ducts).

Noise, which level is more than 40 dB affects person`s mentality annoyingly. This moment needs to be considered in case of a choice and mounting of fans. Thus, the noise level produced by the device shan't exceed an index in 30-35 dB. If you are going to leave the powered-on fan for the night, then remember that noise level in this case shan't exceed 25 dB. Noise values are specified in passport data of the fan.

Noise scale (volume level, decibel)		
Decibel, dB	Characteristics	Sound sources
0	Nothing to be heard	
5	hardly heard	
10	hardly heard	soft rustle of leaves
15	deafly heard	murmur of leaves
20	deafly heard	human whisper (at a distance of 1 m)
25	small	human whisper (1m)
30	small	whisper, tick of the wall clock - an admissible maximum by standards of living accomodations at night, from 23 to 7 h.
35	quite heard	subdued conversation
40	quite heard	usual speech, norm for living accomodations in the afternoon, from 7 to 23 h.
45	quite heard	normal speaking
50	clearly heard	conversation, typewriter

4. Safety against waterlogged environment IP

One of the major requirements to the fan, especially for premises with high humidity, is its protection from moisture penetration. Penetration of water provokes short circuit to the unprotected electrical components of the fan and high consequences for an electrical wiring – for example, the fire! It is necessary to consider it every time when there is a question how to select the fan of this category.

For this purpose, we will divide it into zones and define what IP protection level is required for each of them.

For complete safety of the person who is in the room with high humidity, manufacturers produce fans with low voltage motors – 12 V. For connection of such fan it is required to purchase a refusing transformer separately.

FAN	IP VALUE	
SLIM	25 C, MR, without options	24 02, C-02, MR-02, C MR-02, MRH, C MRH, MRH-02, C MRH-02
AURA	25 C, MR, without options	24 MRH, C MRH
PARUS	24	
STANDARD	24	
PRO	24	
CYCLONE	X4, 44 motor	

If there is a short circuit in wiring, low voltage will save the person's life. Ingress Protection Rating – a classification system of protection degrees of an electric equipment cover and other devices from penetration of solid objects, dust and water, according to the international standard IEC 60529 (DIN 40050, GOST 14254-96).

Degree of protection is a protection method which is checked by standard methods and by means of a cover blocks access to dangerous current carrying and mechanical parts of external solid objects and (or) water and other liquids inside.

The code is written as IPXX where X - figures or a X symbol if the degree isn't defined. For example, convenience outlet may have a degree of protection of IP22 – it is protected from penetration person's hands;

The first figure means protection from solid objects penetration

Vertical drops	Protection from foreign objects with diameter	Description
0	—	Protection is absent
1	≥ 50 mm	Big body surfaces, no protection from mental contact
2	≥ 12,5 mm	Fingers
3	≥ 2,5 mm	Equipment, cables, etc
4	≥ 1 mm	Most of wires, bolts, etc.
5	Dust-proof	A quantity of dust can get inside, however it doesn't impair the device operation. Full protection against contact.
6	Dust-resistant	Dust can't get into the device. Full protection against contact.

- for the equipment, which is inside of a cover, from penetration of external solid objects.

The code is written as IPXX where X - figures or a X symbol if degree isn't defined. For example, convenience outlet may have a degree of protection of IP22 — it is protected from penetration of fingers and the water dripping vertically or almost vertically. The maximum degree of protection on this classification — IP68: it is obtained by the dustproof device kept under water for a long time under pressure. of fingers and the water dripping vertically or almost vertically. The maximum degree of protection on this classification — IP68: it is obtained by the dustproof device kept under water for a long time under pressure. Marking of protection degree of an electric equipment cover is carried out by means of the international sign of protection (IP) and two figures, first of which means protection from penetration of solid objects, the second — from water penetration.

The first figure specifies degree of protection which is provided by a cover:

- for people — from access to dangerous parts, preventing or limiting penetration of any body parts or a subject which is in person`s hands;
- for the equipment, which is inside of a cover, from penetration of external solid objects.

The code is written as IPXX where X - figures or a X symbol if degree isn't defined. For example, convenience outlet may have a degree of protection of IP22 — it is protected from penetration of fingers and the water dripping vertically or almost vertically. The maximum degree of protection on this classification — IP68: it is obtained by the dustproof device kept under water for a long time under pressure.

The second figure- water intrusion protection		
Level	Protection from	Description
0	—	Protection is absent
1	Vertical drops	Vertically dripping water shouldn't to impair operation of the device
2	Vertical drops at an angle to 15	Vertically dripping water shouldn't to impair operation of the device if to reject it from operation position at an angle to 15°.
3	Spatter	Protection against rain. Splashes fall vertically or at an angle to 60 ° to vertical.
4	Splashes	Protection against splashes, dripping in any direction.
5	Streams	Protection against water streams from any direction.
6	Sea waves	Protection against sea waves or strong water streams. The water which has got into the case shouldn't impair an operation of the device.
7	Short-term dipping to the depth of 1m	At momentary immersion , water doesn't get into the device in that quantity, which is capable to impair its work. Permanent work in the dropped mode isn't supposed.
8	Immersing to the depth more than 1m in the interval more than 30 minutes	The device works in dropped mode.

5. Design



Based on fashionable tendencies, rates of industry development and desire of our clients, AkvaVent company provided a wide line of color layouts for your interior. It doesn't matter what style you will specifically choose for your house or office, our products will fine adapt to any design, and also will emphasize all its advantages.

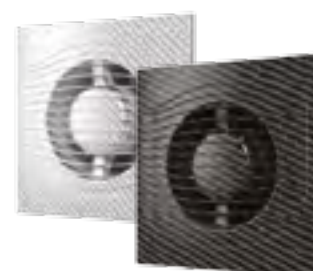
Design layouts



White, Black Design



Chrome, Gold



White, Black Carbon



Ivory



Black Al, Champagne, Grey Metal, Dark Grey Metal

6. Constructive and additional options of device

Of course, it is necessary to pay attention to functionality.

Fans are divided into 2 groups:

- Standard fans
- Automatic fans

Standard fans are fans in basic configuration, with backflow valve, blocking the input of back draught from air duct to the ventilated room and pull-cord switch, allowing to switch on/off the fan.


· **Option 1** - A fan begins to work and vice versa at switching on of the light. It isn't always practical, especially when the level of moisture is strongly increased because this type of fan won't be able to remove all humid air from a bathroom for the short time.

· **Option 2** - In this case we determine ourselves the necessity and running time of the fan. In comparison with the first option this variant is more convenient, however it is necessary to provide the switch installation in readily available place (that isn't always possible) and don't forget to stop its operation.









How to choose a fan?



Fans with more sophisticated options are called as automatic: and equipped with timer, phototimer, humidity sensor, and also absolutely unique management systems of Humid Logic, Light Logic and Fusion Logic. Of course, these fans are more perfect, but also more expensive. Equipped with special sensors working on established procedure. After setup the fan will work itself – according to the established scheme.

Constructive options		Constructive options	
These options are an integral part of the product		These options are an integral part of the product	
	Material: ABS-plastic		The motor on rolling bearings guarantees up to 40 thousand hours of continuous operation
	Light indication of fan operation		Warranty: 5 years
	Low energy consumption		Warranty: 1 year
	Low noise level		The motor is equipped with overheating protection

For your convenience Akvavent offers additional fan options. Who wouldn't want to live in an apartment full of fresh air, without odours and high humidity? However this is no so easy to achieve. Ordinary fans require constant control for on/off mode, consume a lot of electric energy, make a lot of noise, and sometimes we simply forget to turn it on/off when necessary. Akvavent can help you to leave all these problems behind. Our new control systems Humid Logic, Light Logic and Fusion Logic will help you to overcome these difficulties and get rid of expenses. Our company specialists used the long-term expertise in fan operation to create these systems.

Additional options		Additional options	
These options can be combined or absent		These options can be combined or absent	
	-02 Pull-cord switch. Intended for switching on/off the fan physically.		HT Humidity sensor. Controls and regulates operation time and humidity level in the premise.
	C Back flow valve. Automatic valve with back draught protection, for preventing the ingress of odors and moisture from a ventilation duct.		MR Equipped with multioptional Fusion Logic 1.0 controller, responsible for modes and operation time in a ventilated room.
	ET Dual-mode electronic timer. Determines operating time of the fan (connection by 3 wires)		MRH Equipped with multioptional Fusion Logic 1.1 controller, responsible for modes, operation time and humidity level in a ventilated room.
	ETF Dual-mode phototimer. Microprocessor control of the fan is carried out by means of a photo cell (the fan is connected by 2 wires).		Design Color layout. It will become both original addition, and bright accent in an interior of any rooms and premises.



ET Option



Fan with ET option is supplied with an electronic timer which controls fan switch on/off. Operation time (from 15 seconds to 45 minutes) is set with the Time controller on a plate. Unlike other manufacturers AkvaVent fans with ET mode have Standard and Comfort modes. User chooses the mode by switching the jumper on the plate (scheme 1 and 2).

1. Standard

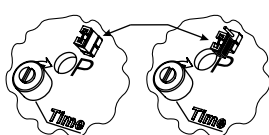
when connected according to scheme 3a fan starts to work right after light is turned on and continues to work until light is turned off. After light is turned off fan continues to work within the determined period of time.

When connected to a separate momentary push button (scheme 3b) fan starts to work every time the button is pushed and continues to work within the determined period of time.

2. Comfort

Fan works only when connected to a lighting switch in this mode (scheme 3a). If light is on for more than 90 seconds, fan will work after light is off within determined period of time. Fan doesn't respond if light is turned on for a shorter period of time. If light is turned on when fan is working it will stop and resume work after light is off. Timer doesn't reset to zero and continues to count since the moment it stopped. When the light is on for more than 90 seconds fan will start to work.

Jumper

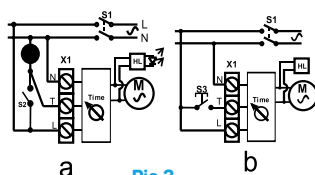


Pic.1

Standard mode
circuit is closed

Pic.2

Comfort mode
circuit is closed



Pic.3

Electrical scheme
for ERA-ET fan

Fans with ET option are connected to electric power system with a three-wire scheme (scheme 3). Voltage is constantly applied to terminal N (0) and L (Live). Third wire connected to terminal T is used to start timer by applying voltage to it.

ET-02 combination of options



Fan with a combination of options ET-02 is supplied with a pull chain switch and electronic timer which allow to control fan switching off.

By pulling the pull chain switch you make timer work. Fan turns off automatically after timer determined period of time ends or manually with the help of pull chain switch. Period of work is from 15 seconds to 45 minutes, it's determined by the Time connector. Fan connection to power system for constant supply is achieved by twin wire.

HT-02 combination of options



Fan with combination of options HT 02 is supplied with a pull chain switch and Humid logic control system which constantly checks humidity level in a room. Humidity level is adjusted by a Humidity controller within the range of 60 and 100%.

The extreme left position of potentiometer corresponds to humidity of 60-64%, extreme right position - to 100%. Fan starts to work when determined humidity level is exceeded.

As soon as it becomes lower fan proceeds to work for a determined period of time (from 15 seconds to 45 minutes) which is set by Time controller on the plate.

If some odour appears in the room but humidity level doesn't reach the determined level fan will not start to work. In this case user has to turn it on manually. Pulling the pull chain switch determined period of time.

Fan can turn off automatically when time determined by timer ends or it can be turned off manually with the help of a pull chain switch. If humidity level gets higher while fan is working in timer mode it will change into automatic moisture removal. Fan connection to power system for constant supply is achieved by twin wire.

ETF Option



Fan with ETF option is supplied with Light logic control system. Fan switching on/off depends on a dramatic change of lighting. Timer has 2 modes: Standard and Comfort. User chooses the mode by switching the jumper on the plate (scheme 1 and 2)

1. Standard

Fan starts to work right after light is switched on and continues to work when light is on. After light goes out fan continues to work for a determined period of time (from 15 seconds to 45 minutes) which is set on a plate with Time controller

2. Comfort

Fan doesn't respond if light is turned on for a short period of time (less than 90 seconds). If light is on for more than 90 seconds, fan will work after light is off within determined period of time (from 15 seconds to 45 minutes), this period of time is determined by Time connector.

If light is turned on when fan is working it will stop and resume work after light is off. Further operation time in this case depends on how long light will be on next time. If it's on for less than 90 seconds timer doesn't reset to zero and continues to count since the moment it stopped.

When the light is on for more than 90 seconds fan will resume to work. Unlike usual fans with a timer fans with ETF have a more simple mounting. Fan connection to power system for constant supply is achieved by twin wire.

HT Option

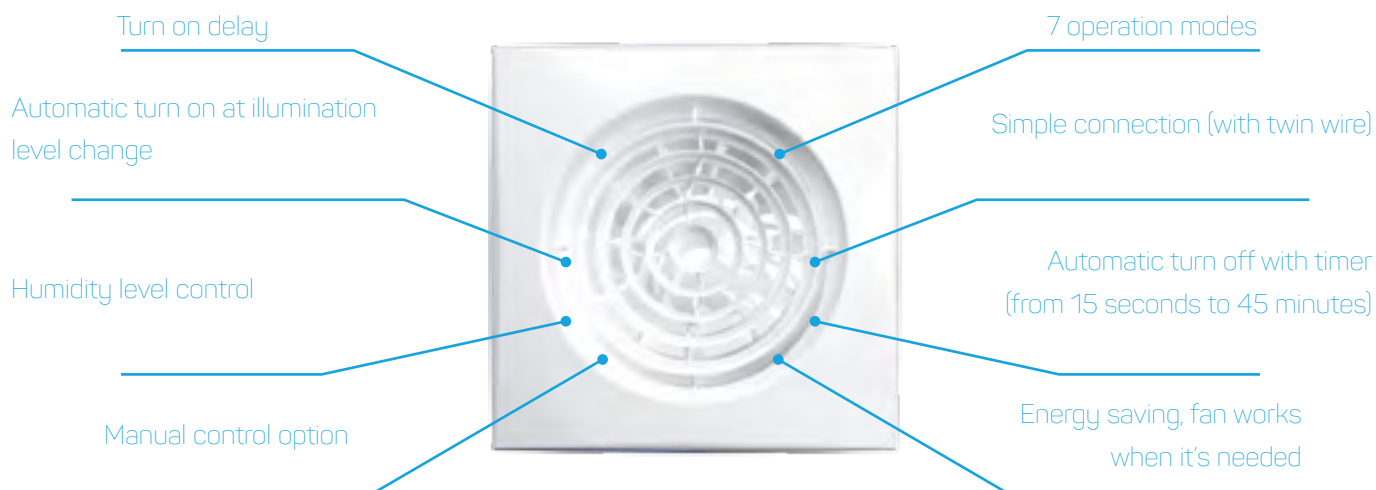


Fan with HT option is supplied with Humid logic control system which checks humidity level in a room. Fan starts to work when determined humidity level is exceeded.

As soon as it becomes lower fan proceeds to work for 1 minute more and turns off.

Humidity level is adjusted by a Humidity controller within the range of 60 and 100%. The extreme left position of potentiometer corresponds to humidity of 60-64%, extreme right position - to 100%. Fan connection to power system for constant supply is achieved by twin wire.

SMART FAN



Fusion Logic 1.0



Fusion Logic 1.1



AURA 4C MR

AURA 5C MR

SLIM 4C MR

SLIM 4C MR-02

SLIM 5C MR

SLIM 5C MR-02

SLIM 6C MR

SLIM 6C MR-02

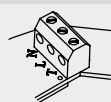
Attention!

When installing and unplugging jumpers please hold the plate to avoid its damage.

Attention!

Fan with any logic used works with circuit breaker S1 switched on. Fan should be switched on with fan front panel closed.

Legend



X1

Terminal block



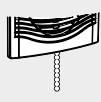
Time

Time controller



S1

Circuit breaker



S2

Pull chain switch installed into fan (for MR-02 option)



S2

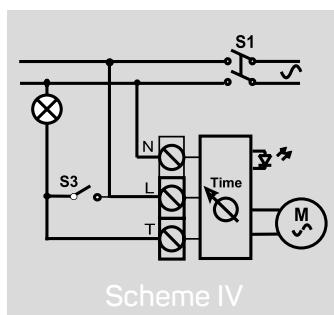
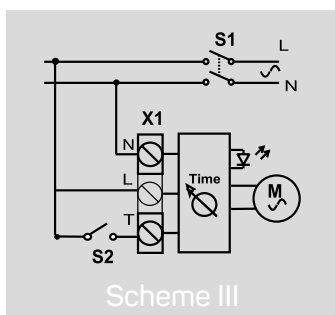
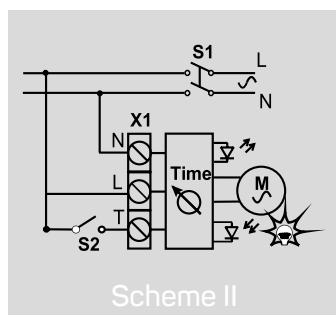
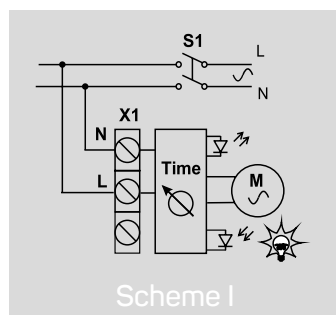
External switch installed into external wiring (for option MR, not included)



S3

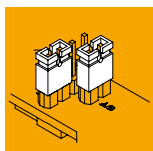
Room light switch

Connection schemes



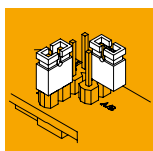
Scheme I

Connection with twin wire (photocell)
factory setting for MR



Standard mode

Fan starts to work in 45 seconds after light is switched on and works all the time light is on. After light is switched off fan works user determined time and turns off. Operation time (from 15 seconds to 45 minutes) is switched by a screwdriver by turning the Time controller on controller plate.

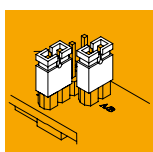


Comfort mode

Fan works only with lights off when no one is in the room. This mode allows to avoid fan noise and draughts in a bathroom or toilet. To save power consumption fan doesn't respond to light switching on for a short period of time (less than 90 seconds). If light is on for more than 90 seconds fan will start to work for a period of time determined by Time controller when light is off.

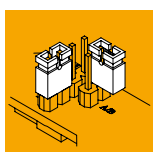
Scheme II

Connection with twin wire (photocell+switch)
for MR and MR-02



Standard mode

Fan starts to work in 45 seconds after light is switched on and works all the time light is on. After light is switched off fan works user determined time and turns off. Operation time (from 15 seconds to 45 minutes) is switched by a screwdriver by turning the Time controller on controller plate.

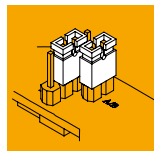


Comfort mode

Fan works only with lights off when no one is in the room. This mode allows to avoid fan noise and draughts in a bathroom or toilet. To save power consumption fan doesn't respond to light switching on for a short period of time (less than 90 seconds). If light is on for more than 90 seconds fan will start to work for a period of time determined by Time controller when light is off.

Scheme III

Connection with twin wire (switch)
for MR and MR 02



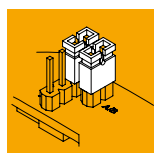
Standard mode

When this scheme is applied fan works almost like a fan with a timer. After fan is turned on with S2 switch set in a convenient place fan works for determined period of time and switches off. Operation time (from 15 seconds to 45 minutes) is switched by a screwdriver by turning Time controller on controller plate.

In comparison to ordinary fans with a timer it can be turned off with a S2 switch, in case there is no need for fan to work, this is power saving.

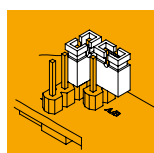
Scheme IV

Connection with triple core wire (switch) for MR



Standard mode

Works as a standard timer. Fan starts to work after light is switched on and works all the time light is on. After light is switched off fan continues to work for determined time and turns off. Operation time (from 15 seconds to 45 minutes) is switched by a screwdriver by turning Time controller on controller plate.



Comfort mode

Fan works only with lights off when no one is in the room. This mode allows to avoid fan noise and draughts in a bathroom or toilet. To save power consumption fan doesn't respond to light switching on for a short period of time (less than 90 seconds). If light is on for more than 90 seconds fan will start to work for a period of time determined by Time controller when light is off.

Attention!

- With the help of S2 switch installed in a convenient place fan operation scheme can be altered.
- If according to the chosen logic fan should not work at the current period of time and its work is required S2 switch can be used. Fan will work for a determined period of time and turn into automatic mode after that.
- If necessary fan can be turned off manually with S2 switch, which turns the fan into automatic mode.
- After light is switched on/off fan always turns into automatic mode.



AURA 4C MRH	SLIM 4C MRH-02 Ivory
AURA 4C MRH Ivory	SLIM 5C MRH
AURA 5C MRH	SLIM 5C MRH-02
AURA 5C MRH Ivory	SLIM 5C MRH-02 Ivory
SLIM 4C MRH	SLIM 6C MRH
SLIM 4C MRH-02	SLIM 6C MRH-02

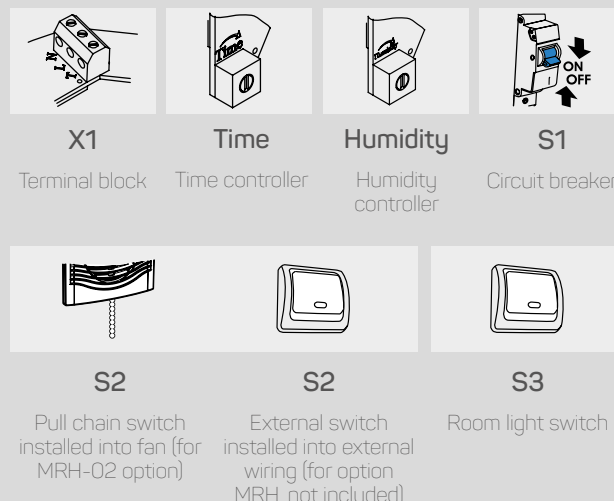
Attention!

When installing and unplugging jumpers please hold the plate to avoid its damage.

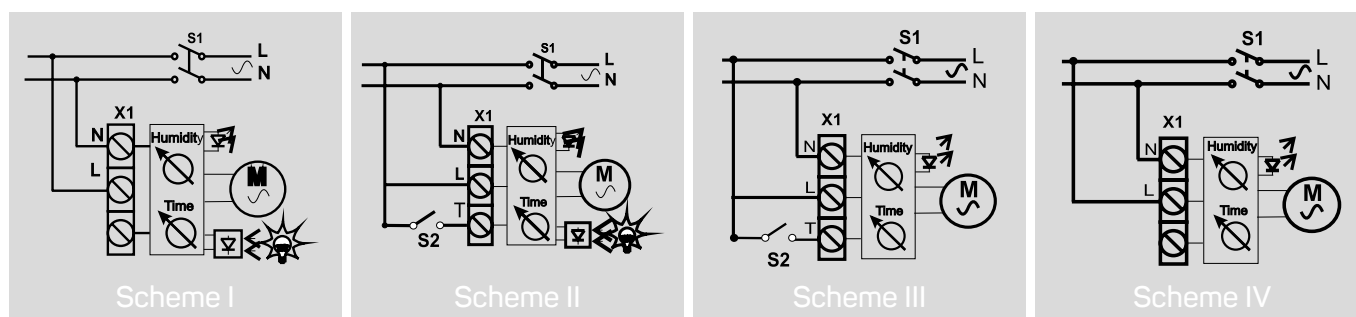
Attention!

Fan with any logic used works with circuit breaker S1 switched on. Fan should be switched on with fan front panel closed.

Legend

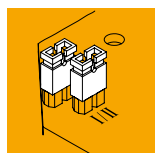


Connection schemes



Scheme I

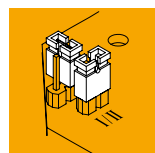
Connection with twin wire (photocell)
factory setting for MRH



Standard mode

Fan starts to work in 45 seconds after light is on and works all the time light is on. After light goes off fan works for determined period of time and switches off. Operation time (from 15 seconds to 45 minutes) is switched with a screwdriver by turning Time controller on controller plate.

If humidity level exceeds determined value from the interval of 60 and 100 percent switched by Humidity controller on controller plate fan turns on and works until humidity level equals the determined value.

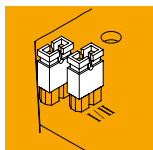


Comfort mode

Fan works only with lights off when no one is in the room. This mode allows to avoid fan noise and draughts in a bathroom or toilet. To save power consumption fan doesn't respond to light switching on for a short period of time (less than 90 seconds). If light is on for more than 90 seconds fan will start to work for a period of time determined by Time controller when light is off.

Scheme II

Connection with twin wire (photocell+switch)



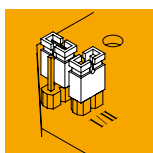
Standard mode

Fan starts to work in 45 seconds after light is switched on and works all the time light is on. After light is switched off fan works

user determined time and turns off. Operation time (from 15 seconds to 45 minutes) is switched by a screwdriver by turning the Time controller on controller plate.

If humidity level exceeds determined value from the interval of 60 and 100 percent switched by Humidity controller on controller plate fan turns on and works until humidity level equals the determined value.

After that fan works for the period determined by Time controller and turns off if there is no light in the room. Otherwise it works all the time light is on. After light is off fan works for determined period of time and turns off.



Comfort mode

Fan works only with lights off when no one is in the room. This mode allows to avoid fan noise and draughts in a bathroom or toilet.

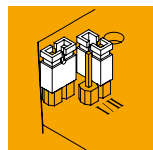
To save power consumption fan doesn't respond to light switching on for a short period of time (less than 90 seconds). If light is on for more than 90 seconds fan will start to work for a period of time determined by Time controller when light is off.

• Attention!

- With the help of S2 switch installed in a convenient place fan operation scheme can be altered.
- If according to the chosen logic fan should not work at the current period of time and its work is required S2 switch can be used. Fan will work for a determined period of time and turn into automatic mode after that.

Scheme III

Connection with twin wire (photocell) for MRH and MRH-02



Standard mode

When this scheme is applied fan works almost like a fan with humidity sensor.

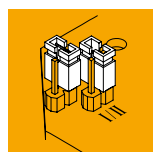
If humidity level exceeds determined value from the interval of 60 and 100 percent switched by Humidity controller on controller plate fan extracts excess moisture. After humidity level equals the determined value fan continues to work for a period of time (from 15 seconds to 45 minutes) which is set with Time controller on controller plate with a screwdriver.

Unlike other fans with humidity sensor this fan can be controlled manually with S2 switch installed in a convenient place. If according to the chosen logic fan should not work at the current period of time and its work is required S2 switch can be used. Fan will work for a determined period of time and turn into automatic mode after that.

If necessary fan can be turned off manually. With the help of S2 switch fan can be returned to automatic mode. If according to the determined scheme fan is working and it should be turned off S2 switch can be used. In 20 minutes fan will return to work according to the logic described above.

Scheme IV

connection with twin wire (switch)



Standard mode

When this scheme is applied fan works almost like a fan with humidity sensor.

If humidity level exceeds determined value from the interval of 60 and 100 percent switched by Humidity controller on controller plate fan extracts excess moisture. After humidity level equals the determined value fan continues to work for a period of time (from 15 seconds to 45 minutes) which is set with Time controller on controller plate with a screwdriver above.

SLIM Series of fans



- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.
- For mounting in air shafts or connection with air ducts.
- Modern design.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- Extra-fine front panel.
- The motor on ball-bearings with the extended operational life (to 40 000 working hours) and low energy consumption is installed. Intended for the continuous operation and does not require additional service.
- The motor is equipped with overheating protection.
- Fixing to the mounting place is carried out by means of screws.
- Degree of cover protection of an electric equipment against penetration of solid objects and
- water - IP25, for the options MRH,-02 and combinations - IP24.



List of models

Article	Item
SLIM 4	Axial fan D100
SLIM 4-02	Axial fan with pull-cord switch D100
SLIM 4C	Axial fan with back flow valve D100
SLIM 4C-02	Axial fan with pull- cord switch and back flow valve D100
SLIM 4 Ivory	Axial exhaust fan, decorative D100
SLIM 4C Ivory	Axial exhaust fan with back flow valve D 100, decorative
SLIM 4C champagne	Axial exhaust fan with back flow valve D 100, decorative
SLIM 4C gray metal	Axial exhaust fan with back flow valve D 100, decorative
SLIM 4C dark gray metal	Axial exhaust fan with back flow valve D 100, decorative
SLIM 4C white carbon	Axial exhaust fan with back flow valve D 100, decorative
SLIM 4C black carbon	Axial exhaust fan with back flow valve D 100, decorative
SLIM 4C Chrome	Axial exhaust fan with back flow valve D 100, decorative
SLIM 4C Gold	Axial exhaust fan with back flow valve D 100, decorative
SLIM 4C MR	Axial fan with Fusion Logic 10 controller and back flow valve D100
SLIM 4C MR-02	Axial fan with Fusion Logic 10 controller, back flow valve and pull-cord switch D100
SLIM 4C MRH	Axial fan with Fusion Logic 11 controller and back flow valve D100
SLIM 4C MRH-02	Axial fan with Fusion Logic 11 controller and back flow valve D100
SLIM 4C MRH-02 Ivory	Axial fan with Fusion Logic 11 controller, back flow valve and pull-cord switch D100, decorative
SLIM 5	Axial fan D125
SLIM 5-02	Axial fan with pull- cord switch D125
SLIM 5C	Axial fan with back flow valve D125
SLIM 5C-02	Axial fan with pull- cord switch and back flow valve D125

List of models

Article	Item
SLIM 5 Ivory	Axial exhaust fan D125, decorative
SLIM 5C Ivory	Axial exhaust fan with back flow valve D125, decorative
SLIM 5C champagne	Axial exhaust fan with back flow valve D125, decorative
SLIM 5C gray metal	Axial exhaust fan with back flow valve D125, decorative
SLIM 5C Dark gray metal	Axial exhaust fan with back flow valve D125, decorative
SLIM 5C white carbon	Axial exhaust fan with back flow valve D125, decorative
SLIM 5C black carbon	Axial exhaust fan with back flow valve D125, decorative
SLIM 5C Chrome	Axial exhaust fan with back flow valve D125, decorative
SLIM 5C Gold	Axial exhaust fan with back flow valve D125, decorative
SLIM 5C MR	Axial fan with Fusion Logic 10 controller and back flow valve D125
SLIM 5C MR-02	Axial fan with Fusion Logic 10 controller, back flow valve and pull-cord switch D125
SLIM 5C MRH	Axial fan with Fusion Logic 11 controller and back flow valve D125
SLIM 5C MRH-02	Axial fan with Fusion Logic 11 controller, back flow valve and pull-cord switch D125
SLIM 5C MRH-02 Ivory	Axial fan with Fusion Logic 11 controller, back flow valve and pull-cord switch D125, decorative
SLIM 6	Axial fan D150
SLIM 6-02	Axial fan with pull- cord switch D150
SLIM 6C	Axial fan with back flow valve D150
SLIM 6C- 02	Axial fan with pull- cord switch and back flow valve D150
SLIM 6C MR	Axial fan with Fusion Logic 10 controller and back flow valve D150
SLIM 6C MR-02	Axial fan with Fusion Logic 10 controller, back flow valve and pull-cord switch D150
SLIM 6C MRH	Axial fan with Fusion Logic 11 controller and back flow valve D150
SLIM 6C MRH-02	Axial fan with Fusion Logic 11 controller, back flow valve and pull-cord switch D150

SLIM Series of fans

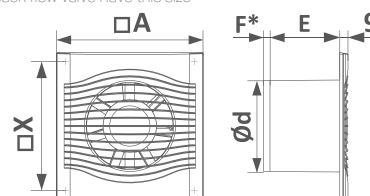
Technical characteristics

Characteristics	SLIM 4	SLIM 5	SLIM 6
Diameter, mm	100	125	150
Power consumption, W	7,8	10	10
Capacity, m3/h	90	140	250
Pressure, Pa	39	44	54
Noise level, db(A)	25	30	33
Current consumption, A	0,04	0,05	0,05

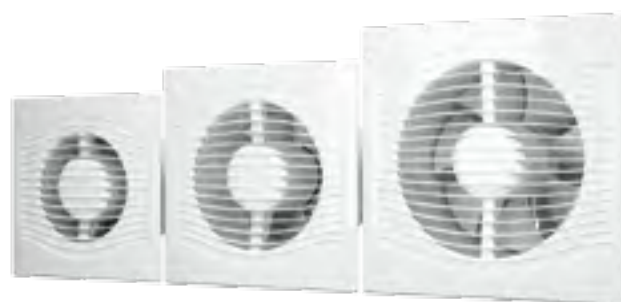
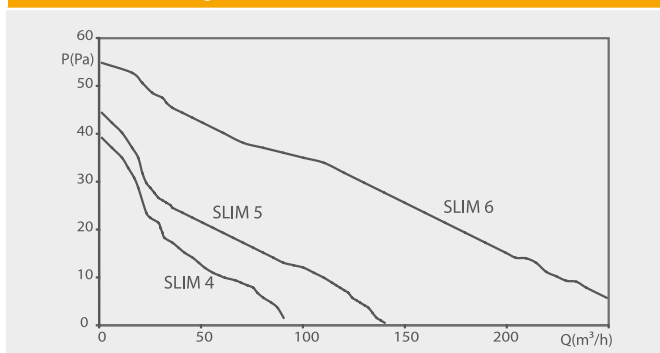
Overall dimensions

Model	A	X	E	d	F*
SLIM4	160	140	76	100	7
SLIM5	180	160	82	125	8,5
SLIM6	205	187	86	150	10

*-Only fans with back flow valve have this size



Performance diagram



SLIM Colour layouts

Dark Gray Metal & Gray Metal



Loft

At present this is the most popular style which combines interior of an industrial space with modern designer ideas. For example vivid attributes like brick walls, staircases, pipes, industrial attributes are well balanced with modern appliances, metall and mirrors.

Characteristics of this style:

1. open space with almost complete absence of divisions. Color contrasts, placement of furniture, effects of light or different kinds of divisions can help to zone the room for different functional spaces. Maximum open space is the key!
2. industrial traits in interior. Harsh industrial background is combined with any kind of contents beginning with elegant classics to glamour. This allows to create contrast that adds expression and distinctive character.
3. nonconventional accessories. Graffiti, posters, abstractions are well applicable in this style. One of the main traits of this style is urban spirit, that's why choice of the most modern hygiene equipment should be taken special care of. It emphasizes



White Carbon

Minimalism



For some people minimalism is life philosophy, for some it's a desperate measure, still all are attracted by a possibility to create comfortable and clear space. Expressive means of this style are color, simple forms and effects of light. Bathroom interior is very laconic, with light colors that make the room look bigger.

One of the favourite combination of colors in this style is White, grey and black. A grey wall with a black trimming around the ceiling make white walls look more expressive. Minimal quantity of bright accessories like painting or a vase can be present.



Black Carbon

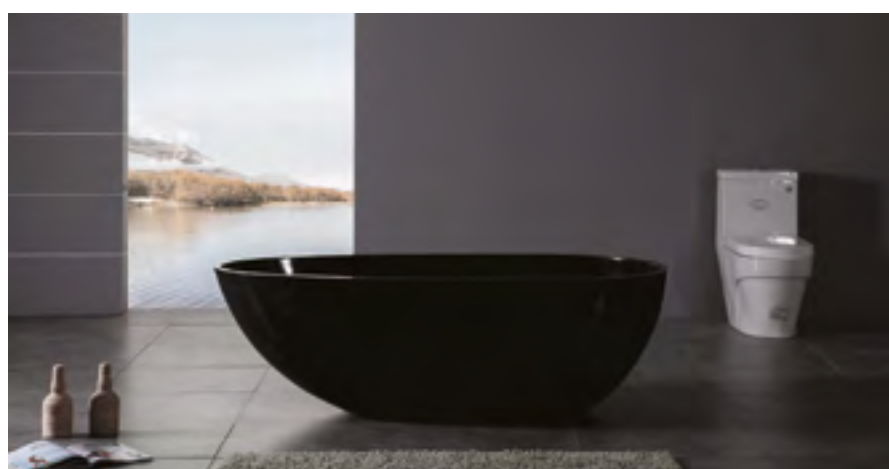


It's preferable to choose sober and natural colors to create minimalism design. Ceramics, marble, stone fit best of all to put the style in action. A small drawer of simple forms with smooth fronts and a few glass shelves don't take much space but allow to place every necessary thing.

Hygiene equipment of unusual design adds expression and originality to the style.

Main characteristics:

- lack of bright colors
- dot illumination of functional spaces
- state of the art hygiene equipment
- natural finish materials
- uniform surface without textural or artistic design



Ivory

Gray Metal

Dark Gray Metal

Champagne

White Carbon

Black Carbon

Chrome

Gold



PARUS-02



PARUS Design

PARUS Series of fans



- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.
- For mounting in air shafts or connection with air ducts.
- Modern design.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- The motor on ball-bearings with the extended operational life (up to 40 000 working hours) and low energy consumption is installed. Intended for the continuous operation and does not require additional service.
- The motor is equipped with overheating protection.
- Fixing to the mounting place is carried out by means of screws.
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

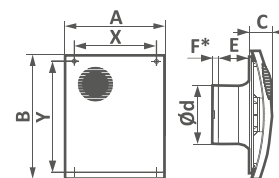
List of models

Article	Item
PARUS 4	Axial fan D100
PARUS 4-02	Axial fan with pull-cord switch D100
PARUS 4C	Axial fan with back flow valve D100
PARUS 4 Ivory	Axial exhaust fan D 100, Ivory
PARUS 4C champagne	Axial exhaust fan with back flow valve D100, decorative
PARUS 4C gray metal	Axial exhaust fan with back flow valve D100, decorative
PARUS 4C white design	Axial exhaust fan with back flow valve D100, decorative
PARUS 4C black design	Axial exhaust fan with back flow valve D100, decorative
PARUS 4C Chrome	Axial exhaust fan with back flow valve D100, decorative
PARUS 4C Gold	Axial exhaust fan with back flow valve D100, decorative
PARUS 5 Ivory	Axial exhaust fan D 125, Ivory
PARUS 5	Axial fan D125
PARUS 5-02	Axial fan with pull-cord switch D125
PARUS 5C	Axial fan with back flow valve D125

Overall dimensions

Model	A	X	B	Y	d	C	E	F*
PARUS4	175	140	220	175	100	37	48	8
PARUS5	219	175	275	220	125	42	54	10

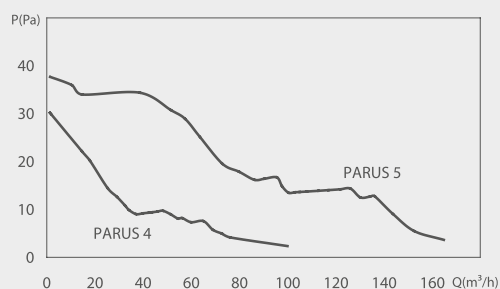
*-Only fans with back flow valve have this size



Technical characteristics

Characteristics	PARUS4	PARUS5
Diameter, mm	100	125
Power consumption, W	16	20
Capacity, m3/h	100	165
Pressure, Pa	31	38
Noise level, db(A)	35	36
Current consumption, A	0,07	0,09

Performance diagram



PARUS Colour layouts

White Design



Black Design



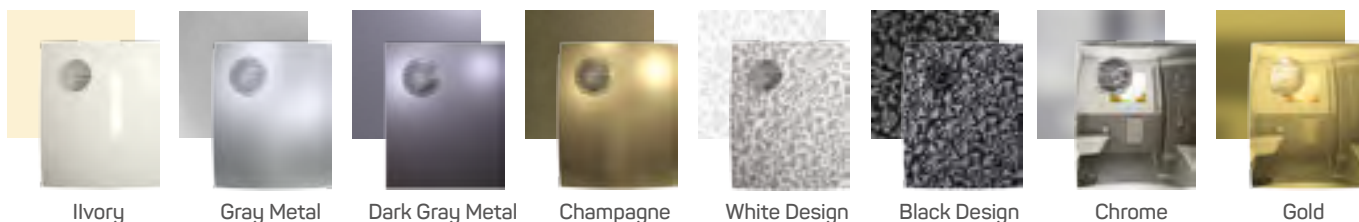
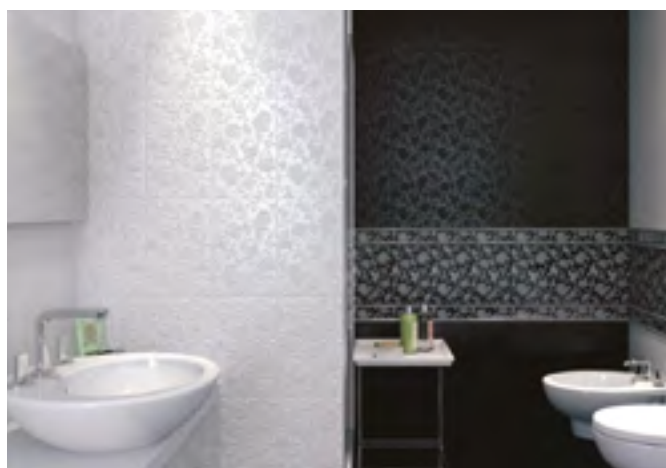
Scandinavian style

Versatility, simplicity, functionality are the main characteristics of Scandinavian style.

Pastel colors like light grey, beige, light blue, light green and light brown are traditional. Main color of this style without any doubt is white. Natural materials like wood, metal, glass, stone, fur, ceramics are preferable, any of these materials emphasize style peculiarities. There are few decor elements present in this style, they are used to make bright accents and liven the surroundings. One of the main requirements is maximum open space. That's why mirrors fit in this style perfectly, filling the room with sunlight and make it look bigger.



One more specific element of this style is floral black and white ornaments. Black and white colors in bathroom are always appropriate. Monochrome bathroom is an example of impeccable taste and presentability, Scandinavian style fits people who admire cozy warm atmosphere, who likes spending time at home and aims to renew interior without drastic changes.





AURA Series of fans



List of models

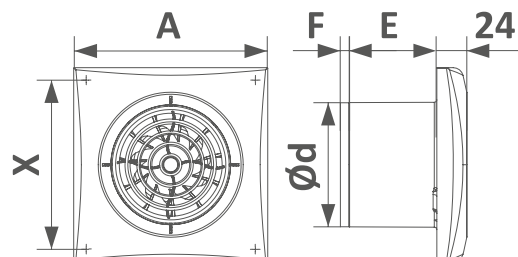
Article	Item
AURA 4	Axial fan D100
AURA 4C	Axial fan with back flow valve D100
AURA 4 Ivory	Axial exhaust fan D 100, Ivory
AURA 4C champagne	Axial exhaust fan with back flow valve D100, decorative
AURA 4C dark gray metal	Axial exhaust fan with back flow valve D100, decorative
AURA 4C gray metal	Axial exhaust fan with back flow valve D100, decorative
AURA 4C white design	Axial exhaust fan with back flow valve D100, decorative
AURA 4C Chrome	Axial exhaust fan with back flow valve D100, decorative
AURA 4C Gold	Axial exhaust fan with back flow valve D100, decorative
AURA 4C MR	Axial fan with Fusion Logic 1.0 controller and back flow valve D100
AURA 4C MRH	Axial fan with Fusion Logic 1.1 controller and back flow valve D100
AURA 4C MRH Ivory	Axial fan with Fusion Logic 1.1 controller and back flow valve D100, decorative
AURA 5	Axial fan D125
AURA 5C	Axial fan with back flow valve D125
AURA 5 Ivory	Axial exhaust fan D 125, Ivory
AURA 5C champagne	Axial exhaust fan with back flow valve D125, decorative
AURA 5C dark gray metal	Axial exhaust fan with back flow valve D125, decorative
AURA 5C gray metal	Axial exhaust fan with back flow valve D125, decorative
AURA 5C white design	Axial exhaust fan with back flow valve D125, decorative
AURA 5C Chrome	Axial exhaust fan with back flow valve D125, decorative
AURA 5C Gold	Axial exhaust fan with back flow valve D125, decorative
AURA 5C MR	Axial exhaust fan with Fusion Logic 1.0 controller and back flow valve D125
AURA 5C MRH	Axial exhaust fan with Fusion Logic 1.1 controller and back flow valve D125
AURA 5C MRH Ivory	Axial exhaust fan with Fusion Logic 1.1 controller and back flow valve D125, decorative
AURA 6	Axial fan D150
AURA 6C	Axial fan with back flow valve D150
AURA 6C MR	Axial exhaust fan with Fusion Logic 1.0 controller and back flow valve D150
AURA 6C MRH	Axial exhaust fan with Fusion Logic 1.1 controller and back flow valve D150
AURA 6C MRH Ivory	Axial exhaust fan with Fusion Logic 1.1 controller and back flow valve D150, decorative

- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.
- For mounting in air shafts or connection with air ducts.
- Modern design.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- Impeller construction allows to increase the fan efficiency and service life of the motor.
- The motor on ball-bearings with the extended operational life (up to 40 000 working hours) and low energy consumption is installed. Intended for the continuous operation and does not require additional service.
- The motor is equipped with overheating protection.
- Fixing to the mounting place is carried out by means of screws.
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP25, for the options MRH and combinations - IP24.

Overall dimensions

Model	A	X	E	d	F*
AURA 4	155	135	70	100	7
AURA 5	175	155	78	125	8,5
AURA 6	NEW!				

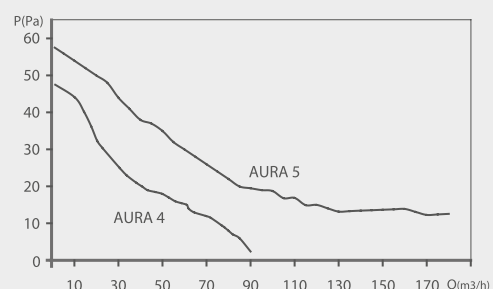
*-Only fans with back flow valve have this size



Technical characteristics

Characteristics	AURA 4	AURA 5	AURA 6
Diameter, mm	100	125	
Power consumption, W	8,4	10	
Capacity, m3/h	90	180	
Pressure, Pa	48	58	
Noise level, db(A)	25	30	
Current consumption, A	0,04	0,05	

Performance diagram



AURA Colour layouts

Chrome



High-tech

This style lacks decorative elements and ornaments. The characteristic feature of this style is modern equipment and high technology finish materials like glass, plastics, chrome steel.

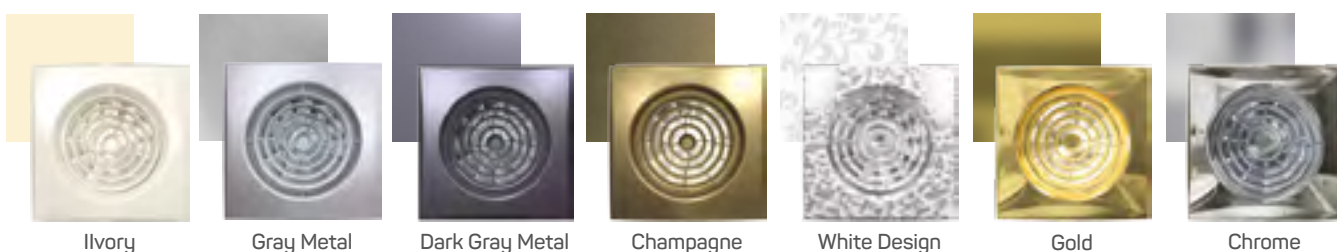
Functional details of the interior like pipes, plumbingware and air ducts are not hidden in a high tech room. Unlike other styles high tech not only shows off the appliances but also makes other interior details match with it. That's why not only functionality but also design should be cornerstone for high tech.



Art-deco

Art deco style is associated with something monumental and massive and is targeted for luxury lovers with sophisticated taste, eager to collect and surround themselves with exclusive interior design items. Geometric pictures, sharp graphic forms, unfinished compositions are specific traits for this style. Art deco combines eastern, russian, african and greek details. One of the main traits of this style is usage of glassy surfaces. Walls, floor, ceiling in a bathroom can be shiny. A bathroom with gold decor elements embodies the style of art deco. Interior in gold combines with other colors very well. Being a warm color gold plays well with contrast colors. Anyway an interior should not be overfilled with shiny pieces like glowing walls and ceiling.

Gold





STANDARD Series of fans



List of models

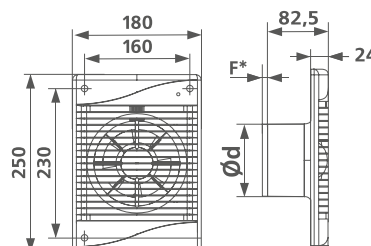
Article	Item
STANDARD 4	Axial fan D100
STANDARD 4C	Axial fan with back flow valve D100
STANDARD 4 Ivory	Axial exhaust fan with light indication D 100, Ivory
STANDARD 4C gray metal	Axial exhaust fan with back flow valve D100, decorative metal
STANDARD 4C black Al	Axial exhaust fan with back flow valve D100, decorative Al
STANDARD 4C Chrome	Axial exhaust fan with back flow valve D100, decorative Chrome
STANDARD 4C Gold	Axial exhaust fan with back flow valve D100, decorative Gold
STANDARD 4-02	Axial fan with pull-cord switch D100
STANDARD 4ET	Axial fan with electronic timer D100
STANDARD 4ETF	Axial fan with phototimer D100
STANDARD 4ET-02	Axial fan with electronic timer and pull-cord switch D100
STANDARD 4HT	Axial fan with humidity sensor and electronic timer D100
STANDARD 4HT-02	Axial fan with humidity sensor, electronic timer and pull-cord switch D100
STANDARD 5	Axial fan D125
STANDARD 5C	Axial fan with back flow valve D125
STANDARD 5 Ivory	Axial exhaust fan with light indication D 125, Ivory
STANDARD 5C gray metal	Axial exhaust fan with back flow valve D125, decorative metal
STANDARD 5C black Al	Axial exhaust fan with back flow valve D125, decorative Al
STANDARD 5C Chrome	Axial exhaust fan with back flow valve D125, decorative Chrome
STANDARD 5C Gold	Axial exhaust fan with back flow valve D125, decorative Gold
STANDARD 5-02	Axial fan with pull-cord switch D125
STANDARD 5ET	Axial fan with electronic timer D125
STANDARD 5ETF	Axial fan with phototimer D125
STANDARD 5ET-02	Axial fan with electronic timer and pull-cord switch D125
STANDARD 5HT	Axial fan with humidity sensor and electronic timer D125
STANDARD 5HT-02	Axial fan with humidity sensor, electronic timer and pull-cord switch D125

- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.
- For mounting in air shafts or connection with air ducts.
- Modern design.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- Intended for ventilation shafts with rectangular opening.
- The motor on ball-bearings with the extended operational life (up to 40 000 working hours) and low energy consumption is installed. Intended for the continuous operation and does not require additional service.
- The motor is equipped with overheating protection.
- Fixing to the mounting place is carried out by means of screws.
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

Overall dimensions

Model	d	F*
STANDARD 4	100	7
STANDARD 5	125	8,5

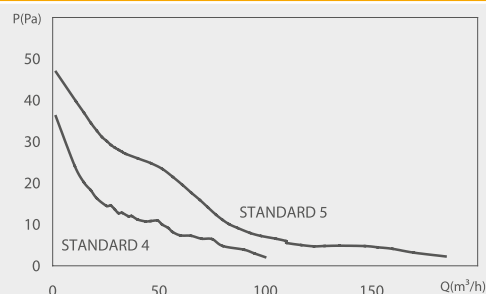
*-Only fans with back flow valve have this size



Technical characteristics

Characteristics	STANDARD 4	STANDARD 5
Diameter, mm	100	125
Power consumption, W	16	20
Capacity, m ³ /h	100	185
Pressure, Pa	38	48
Noise level, db(A)	35	36
Current consumption, A	0,07	0,09

Performance diagram



STANDARD Colour layouts

Black al

Art Nouveau



Defining attribute of this style is absence of straight and sharp lines. Flowing and curvy, close to natural forms are emphasized with floral ornaments. Main decorative materials which give fascinating refinement are colored glass and porcelain. Handling with rough materials like metal creates contrast to the fairy-tale natural patterns.

Specific details of this style:

1. lots of wood Main material to work with is wood. Its natural qualities, softness and wide range of possible uses add to its success
2. floral ornaments. This style is close to nature, that's why it's overwhelmed with ornaments and prints of animal world and flora.
3. stained-glass windows are just about the obligatory element of this style.
4. forged products. A lot of metal elements should be avoided in one room - one active element and a few supplementary ones are more than enough.

Bathroom design of this style requires functional hygiene equipment like corner bathtubs, shower booths, hydromassage. Creative constructions and modern materials fit perfectly into this style which can be considered topclass for complexity and unusual forms.



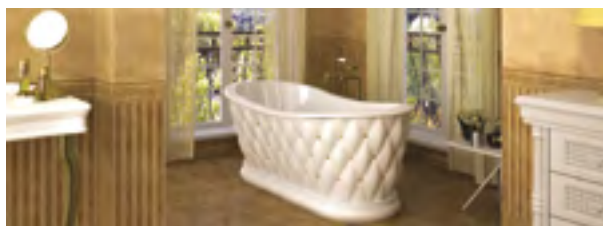
Champagne

Classicism



Elegance and delicacy, functionality and rationality characterize classic interior style. No matter how many years would pass, what stylistic ideas are offered classic style will always be classic. Bathroom design in this style should be elaborated with careful assortment of details. This style can be called pretentious. Big beautiful chandeliers are characteristic of classicism, and bathroom is no exception.

Color options are mainly white, light blue, pink, golden. Such colors on wide surfaces create relaxing atmosphere to hole up after a long day at work.



Ivory



Gray Metal



Dark Gray Metal



Champagne



White Design



Gold



Chrome



STANDARD Series of fans



- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.
- For installation with PVC plastic duct systems or flexible ducts.
- Exhaust or supply ventilation, according to fan installation in the system.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- Original fastening end-to-end system with ventilating ducts
- Easy mounting dismantling.
- The motor on ball-bearings with the extended operational life (up to 40 000 working hours) and low energy consumption is installed. Intended for the continuous operation and does not require additional service.
- The motor is equipped with overheating protection.
- Fixing to the mounting place is carried out by means of screws.
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

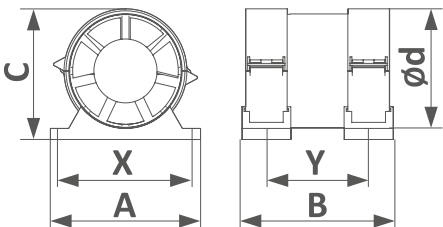
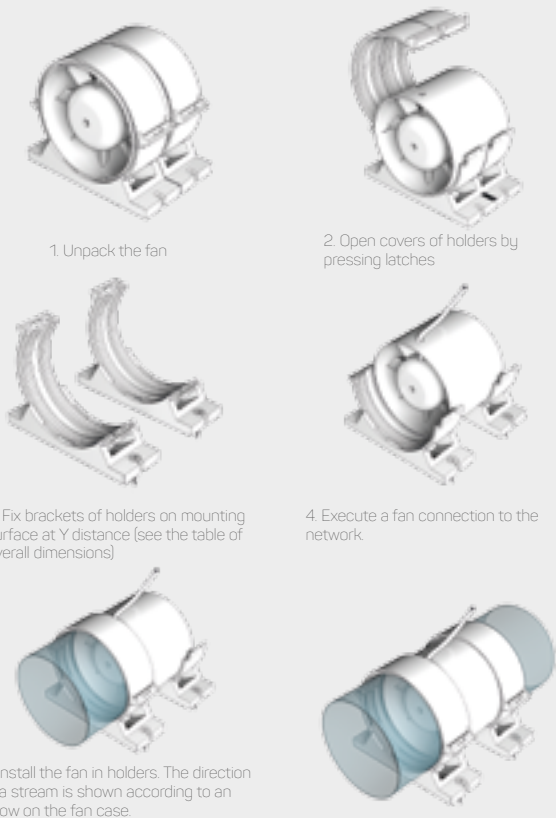
List of models

Article	Item
PRO 4	Axial supply and exhaust duct fan with fastening set D100
PRO 5	Axial supply and exhaust duct fan with fastening set D125
PRO 6	Axial supply and exhaust duct fan with fastening set D160

Overall dimensions

Model	A	B	X	Y	C	d
PRO 4	138	139	122	94	119	103,6
PRO 5	163	146	147	101	144	128,6
PRO 6	198	154	182	104	179	163,6

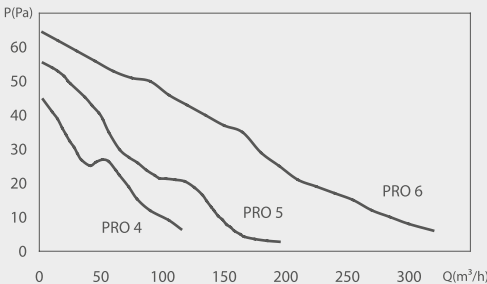
Mounting method



Technical characteristics

Characteristics	PRO 4	PRO 5	PRO 6
Diameter, mm	100	125	160
Power consumption, W	14	18	22
Capacity, m ³ /h	115	195	320
Pressure, Pa	46	56	65
Noise level, db(A)	32	34	36
Current consumption, A	0,06	0,08	0,10

Performance diagram





CYCLONE-EBM Series of fans



- Duct centrifugal fan in the plastic case. Intended for supply and exhaust ventilation systems.
- Exhaust or supply ventilation, depending on fan installation.
- The fan case is manufactured of high-quality and high-strength plastic.
- Hermetic mounting box.
- The single-phase motor with an external rotor is equipped with the centrifugal driving wheel with back curved blades, has the built-in thermal protection with automatic restart.
- Fans are intended for duct installation with air vents of the corresponding diameter in any point of ventilating system and at any angle.
- Wall or ceiling fastening is carried out by means of fixing brackets (not included).
- Speed control is possible. It can be both smooth or stepped and to be performed by means of the thyristor or autotransformer regulator. Several fans, if their general capacity and working current don't exceed nominal parameters of the regulator, can be connected to one control device.
- Degree of cover protection of electric equipment against penetration of solid objects and water - IP24, the motor - IP44.

List of models

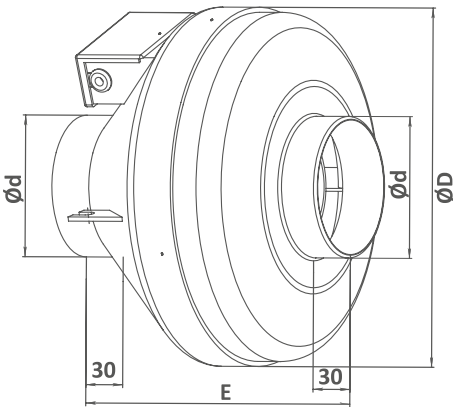
Article	Item
CYCLONE-EBM 100	Centrifugal duct supply and exhaust fan, D100, plastic
CYCLONE-EBM 125	Centrifugal duct supply and exhaust fan, D125, plastic
CYCLONE-EBM 160	Centrifugal duct supply and exhaust fan, D160, plastic
CYCLONE-EBM 200	Centrifugal duct supply and exhaust fan, D200, plastic
CYCLONE-EBM 250	Centrifugal duct supply and exhaust fan, D250, plastic
CYCLONE-EBM 315	Centrifugal duct supply and exhaust fan, D315, plastic

Overall dimensions

Article	d	D	E
CYCLONE-EBM 100	99	251	215
CYCLONE-EBM 125	124	251	220
CYCLONE-EBM 160	159	340	229
CYCLONE-EBM 200	199	339	250
CYCLONE-EBM 250	249	339	250
CYCLONE-EBM 315	314	405	284

Technical characteristics

Characteristics	CYCLONE-EBM 100	CYCLONE-EBM 125	CYCLONE-EBM 160	CYCLONE-EBM 200	CYCLONE-EBM 250	CYCLONE-EBM 315
Diameter, mm	100	125	160	200	250	315
Power consumption, W	52	52	85	135	210	225
Capacity, m3/h	265	370	680	900	1100	1700
Pressure, Pa	310	310	400	540	580	740
Noise level, db(A)	52	51	57	55	53	53
Current consumption, A	0,24	0,24	0,39	0,61	0,95	1,02
Rotation frequency, RPM	2350	2350	2700	2650	2500	2700



Centrifugal motor-wheel

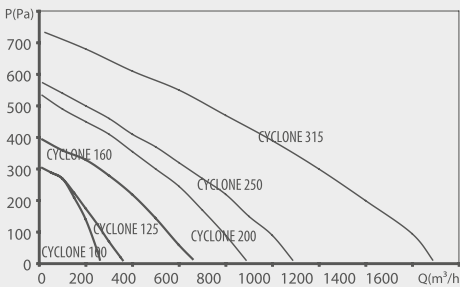


ebmpapst

EBM-papst company is a supplier of system of fractional and industrial motors.

GreenTech EC technology provides performance exceeding requirements of ErP regulations (Energy related Products-Directive).

Performance diagram



Domestic fans

As we know constant air renewal ensures fresh and healthy atmosphere at home. How is it possible to create good microclimate, get rid of condensed moisture, high humidity and bad odour? The answer is simple - household MaxVent fans with modern design and choice of options can help. You can easily choose the model and option that meet your requirements.



Commercial fans

In MaxVent portfolio there are a few series of powerful commercial fans: STELS with compact design, that can be mounted in ARMSTRONG-type ceilings, low pressure fan STORM, MARS and TORNADO fans that are designed to create comfort climate in ventilation systems, supply large volume of air and extract it (apartments, offices, cottages, production sites).

Speed controllers

Speed controllers are used to control revolutions per minute (rpm) in fan motors. Speed regulation is performed with the help of knob control from minimum to maximum levels, this knob also turns the device on/off. Minimum speed is set with potentiometer. Several fans can be controlled with the help of a speed controller, with one condition: total current consumption should not exceed maximum permissible current value of the speed controller. Speed controller can be mounted on a wall inside a room (model PC-H) or into standard round electric junction boxes.



Back draught protection

Back pressure valve with spring plates can be used to

1. block air in round air ducts (model Back draught shutter)
2. to prevent air from moving in opposite direction with switched off ventilation (model Back pressure valve). Back pressure valve installed in a fan doesn't obstruct passive ventilation in a room. Plates of a back pressure valve open with pressure created by air flow. Plates close with the help of the springs.

EURO fans redesigned



EURO fans changed in a lot of ways, not only in design, but also in the number of options. A greater variety of options and modifications is added:

Option AM was updated - fan switching on/off is made with a pull chain switch, thermoactuator controls silent and smooth opening/closing of louvers.

Impeller and body of the fan are made of high quality ABS plastic that is resistant to ultraviolet. Inside there is a ball-bearing motor with overheat regulation that doesn't require secondary service.



Double-mode electronic timer (ET) controls and regulates operation time of a fan



Double-mode photocell (ETP) helps to control fan with a photocell



Humidity sensor (HT) controls and regulates operation time of a fan and humidity level in a room.



EURO 4A fan with open louvers

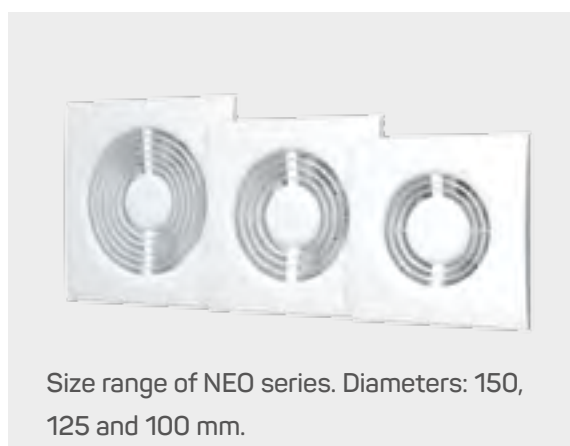
Exhaust household fan NEO



New series of fans NEO is a great solution for look for excellence. Thin front panel design creates neat look which matches perfectly with any color solution and stylistic features of a house or an office, doesn't attract attention to itself thanks to non-binding white color.

Series is equipped with all necessary functions including «smart» option Mre with multi-mode controller Fusion Logic 1.2 which checks the mode and operation time of a fan in a room.

Body and impeller of this fan are made of high quality ABS plastic, resistant to ultraviolet. Inside there is a ball-bearing motor with overheat regulation that doesn't require secondary service.



Size range of NEO series. Diameters: 150, 125 and 100 mm.

CV low pressure axial supply and exhaust fan



Meant to be used to arrange supply and exhaust ventilation in different kinds of premises where high performance with low system resistance is required. Body of the fan is made with galvanized steel, impeller is aluminum. Fan uses an asynchronous single-phase motor with thermal protection with automatic restart. Roller bearing provides a long working period. Motor protection class is IP 44.

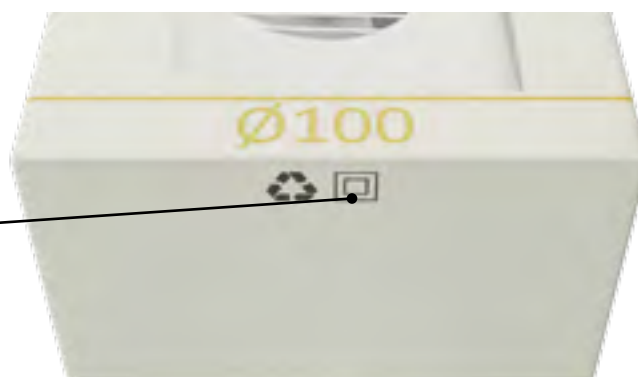
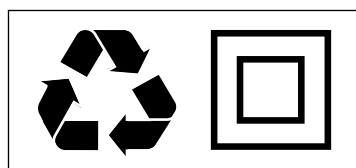




EN	Axial fan The axial fan is used in inflow or exhaust system of ventilation
KZ	Белағаштың арнаның желдеткіштері Кіндіктің арнаның желдеткіш ауаны жаңартудың сырудың немесе тарту жүйесінде пайдаланылады
ES	El ventilador axial de canal Ventilador de conducto axial se utiliza para el suministro y sistema de ventilación de escape
DE	Der axiale Kanallüfter Der axiale Kanallüfter wird in Zuluftung oder Abluftentlüftung verwendet
BG	Аксиален канал вентилатор Аксиални тръбата вентилатор се използва при доставките или изпускателната фен система
FR	Le ventilateur axial des canaux Ventilateur hélicoïde pour gaine est utilisée pour alimenter le système de ventilation et d'échappement
UA	Сьової канальний вентилятор Осьової канальний вентилятор використовується в припливної або витяжної системи вентиляції
RU	Осевой канальный вентилятор Осевой канальный вентилятор используется в приточной или вытяжной системе вентиляции
PL	Wentylator osiowy kanałowy Osłowy wentylator kanałowy służy do zasilania i systemu wentylacji wyciągowej
IT	Ammiratore di canale assiale L'ammiratore di canale assiale è usato in scappamento o cucto di ventilazione
RO	Ventilator axial conductă Ventilator axial conductă este folosit pentru a furniza și sistemul de ventilație de evacuare
AR	المحورية مروحة القناة يستخدم محوري مروحة لاصق لتوفير ونظام تهوية العادم

Full name and correct use of the product

Symbol of reutilization is the international sign of waste recycling. It points that goods are made of raw materials received by recycling or material, which can be subjected to reclamation.



Class notation of protection against electric shock

Constructive options

These options are an integral part of the product

ABS plastic	Material: ABS-plastic
LIGHT indication	Light indication of fan operation
ENERGY saving	Low energy consumption
SILENT	Low noise level

Constructive options

These options are an integral part of the product

BALL bearing	The motor on rolling bearings guarantees up to 40 thousand hours of continuous operation
5 YEARS warranty	Warranty: 5 years
1 YEAR warranty	Warranty: 1 year
OVERHEATING protection	The motor is equipped with overheating protection

For your convenience Akvavent offers additional fan options. Who wouldn't want to live in an apartment full of fresh air, without odours and high humidity? However this is no so easy to achieve. Ordinary fans require constant control for on/off mode, consume a lot of electric energy, make a lot of noise, and sometimes we simply forget to turn it on/off when necessary. Akvavent can help you to leave all these problems behind. Our new control systems Humid Logic, Light Logic and Fusion Logic will help you to overcome these difficulties and get rid of expenses. Our company specialists used the long-term expertise in fan operation to create these systems.

Additional options

These options can be combined or absent

POWER cord	-01 Network cable with breaker and plug
PULL cord	-02 Pull-cord switch. Intended for switching on/off the fan physically
BACK valve	C Back flow valve. Automatic valve from back draught, for preventing the ingress of odors and moisture from a ventilation duct
LOUVERS hand	A Automatic louvers. Used as back flow valve
LOUVERS auto	AM Mechanical back flow valve. In this option the pull-cord switch is used for switching on/off of the fan, and also opening/ closing of fan louvers for protection against back draught
INSECT screen	S Protective mosquito net

Additional options

These options can be combined or absent

ELECTRONIC timer	ET Dual-mode electronic timer. It determines fan operating time (connecting by 3 wires)
PHOTO sensor	ETF Dual-mode phototimer. Microprocessor control of the fan is carried out by means of a photo cell (the fan is connected by 2 wires)
HUMIDITY sensor	EH Humidity sensor. Controls and regulates fan's operation time and humidity level in the premise
BALL bearing	BB The motor on ball-bearings guarantees up to 40000 hours of continuous operation
12V	12V Axial duct domestic attachable electric fans with 12V motor, connected by reducing transformer
MRe	MRe Equipped with multioptional Fusion Logic 1.2 controller, responsible for modes and operation time in a ventilated room

ET Option



Fan with ET option is supplied with an electronic timer which controls fan switch on/off. Operation time (from 15 seconds to 45 minutes) is set with the Time controller on a plate. Unlike other manufacturers AkvaVent fans with ET mode have Standard and Comfort modes. User chooses the mode by switching the jumper on the plate (scheme 1 and 2).

1. Standard

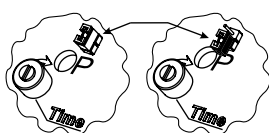
when connected according to scheme 3a fan starts to work right after light is turned on and continues to work until light is on. After light is turned off fan continues to work within the determined period of time.

When connected to a separate momentary push button (scheme 3b) fan starts to work every time the button is pushed and continues to work within the determined period of time.

2. Comfort

Fan works only when connected to a lighting switch in this mode (scheme 3a). If light is on for more than 90 seconds, fan will work after light is off within determined period of time. Fan doesn't respond if light is turned on for a shorter period of time. If light is turned on when fan is working it will stop and resume work after light is off. Timer doesn't reset to zero and continues to count since the moment it stopped. When the light is on for more than 90 seconds fan will start to work.

Jumper

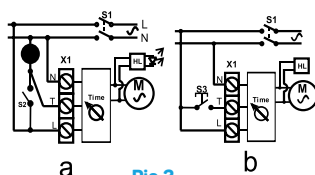


Pic.1

Standard mode
circuit is closed

Pic.2

Comfort mode
circuit is closed



Pic.3

Electrical scheme
for ERA-ET fan

Fans with ET option are connected to electric power system with a three-wire scheme (scheme 3). Voltage is constantly applied to terminal N (0) and L (Live). Third wire connected to terminal T is used to start timer by applying voltage to it.

ET-02 combination of options



Fan with a combination of options ET-02 is supplied with a pull chain switch and electronic timer which allow to control fan switching off.

By pulling the pull chain switch you make timer work. Fan turns off automatically after timer determined period of time ends or manually with the help of pull chain switch. Period of work is from 15 seconds to 45 minutes, it's determined by the Time connector. Fan connection to power system for constant supply is achieved by twin wire.

ETF Option



Fan with ETF option is supplied with Light logic control system. Fan switching on/off depends on a dramatic change of lighting. Timer has 2 modes: Standard and Comfort. User chooses the mode by switching the jumper on the plate (scheme 1 and 2)

1. Standard

Fan starts to work right after light is switched on and continues to work when light is on. After light goes out fan continues to work for a determined period of time (from 15 seconds to 45 minutes) which is set on a plate with Time controller

2. Comfort

Fan doesn't respond if light is turned on for a short period of time (less than 90 seconds). If light is on for more than 90 seconds, fan will work after light is off within determined period of time (from 15 seconds to 45 minutes), this period of time is determined by Time connector.

If light is turned on when fan is working it will stop and resume work after light is off. Further operation time in this case depends on how long light will be on next time. If it's on for less than 90 seconds timer doesn't reset to zero and continues to count since the moment it stopped.

When the light is on for more than 90 seconds fan will resume to work. Unlike usual fans with a timer fans with ETF have a more simple mounting. Fan connection to power system for constant supply is achieved by twin wire.

HT Option



Fan with HT option is supplied with Humid logic control system which checks humidity level in a room. Fan starts to work when determined humidity level is exceeded.

As soon as it becomes lower fan proceeds to work for 1 minute more and turns off.

Humidity level is adjusted by a Humidity controller within the range of 60 and 100%. The extreme left position of potentiometer corresponds to humidity of 60-64%, extreme right position - to 100%. Fan connection to power system for constant supply is achieved by twin wire.

Controller operation procedure Fusion logic 1.2



SMART FAN

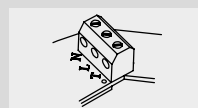


E 100S MRe
E 100S C MRe
E 125S MRe
E 125S C MRe

Attention!

Fan with any logic used works with circuit breaker S1 switched on. Fan should be switched on with fan front panel closed.

Legend



X1

Terminal block



Time

Time controller



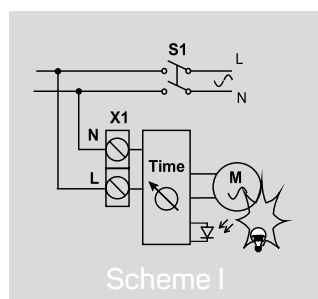
S1

Circuit breaker

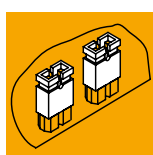
Attention!

When installing and unplugging jumpers please hold the plate to avoid its damage.

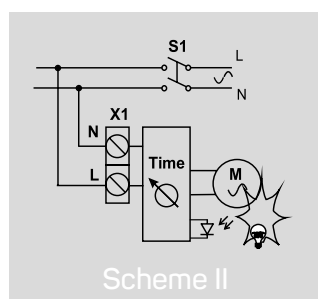
Connection schemes



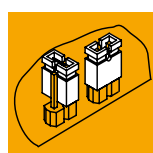
Connection with twin wire (photocell) Scheme I



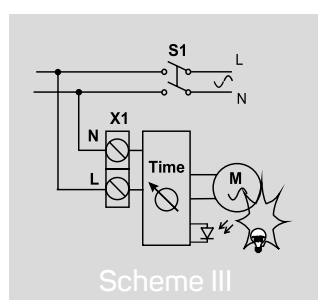
Fan starts to work in 45 seconds after light is on and works all the time light is on. After light goes off fan works for determined period of time and switches off. Operation time (from 15 seconds to 45 minutes) is switched with a screwdriver by turning Time controller on controller plate.



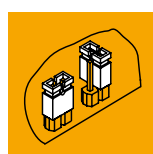
Connection with twin wire (photocell) Scheme II



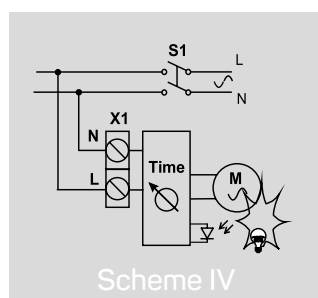
Fan works only with lights off when no one is in the room. This mode allows to avoid fan noise and draughts in a bathroom or toilet. To save power consumption fan doesn't respond to light switching on for a short period of time (less than 90 seconds). If light is on for more than 90 seconds fan will start to work for a period of time determined by Time controller when light is off. Operation time (from 15 seconds to 45 minutes) is switched by a screw driver by turning the Time controller on controller plate.



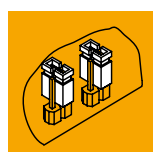
Connection with twin wire (ventilation) Scheme III



Fan works in ventilation mode in full speed. It turns on every hour no matter the light for the period of time determined in controller plate.



Connection with twin wire (photocell+ventilation) Scheme IV



Standard mode

Fan works only with lights off when no one is in the room. This mode allows to avoid fan noise and draughts in a bathroom or toilet. To save power consumption fan doesn't respond to light switching on for a short period of time (less than 90 seconds). If light is on for more than 90 seconds fan will start to work for a period of time determined by Time controller when light is off.

Ventilation mode

In addition ventilation with low speed is switched on every hour, it works for a period of time determined on controller board. If fan worked in Standard mode then after time in operation fan will return to Ventilation mode and start to work in an hour after operated time.

ABS
plastic

5
YEARS
warranty

OVERHEATING
protection

MRe

INSECT
screen

PULL
cord

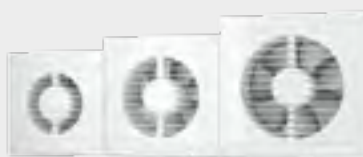
BACK
valve

E Series of fans



Articles

Article	Item
E 100 S	Axial fan with mosquito net D 100
E 100 S C	Axial fan with mosquito net and back flow valve D 100
E 100 -02	Axial fan with pull-cord switch D 100
E 100 C-02I	Axial fan with pull-cord switch and back flow valve D 100
E 100S MRe	Axial fan with mosquito net and Fusion Logic 1.2 controller D 100
E 100S C MRe	Axial fan with mosquito net, Fusion Logic 1.2 controller and back flow valve D 100
E 125 S	Axial fan with mosquito net D 125
E 125 S C	Axial fan with mosquito net and back flow valve D 125
E 125 -02	Axial fan with pull-cord switch D 125
E 125 C-02	Axial fan with back flow valve and pull-cord switch D 125
E 125S MRe	Axial fan with mosquito net, Fusion Logic controller D125
E 125S C MRe	Axial fan with mosquito net, Fusion Logic 1.2 controller and back flow valve D125
E 150 S	Axial fan with mosquito net D 150
E 150 S C	Axial fan with mosquito net and back flow valve D 150
E 150 -02	Axial fan with pull-cord switch D 150
E 150 C-02	Axial fan with back flow valve and pull-cord switch D 150
E 150S MRe	Axial fan with mosquito net, Fusion Logic controller D 150
E 150S C MRe	Axial fan with mosquito net, Fusion Logic 1.2 controller and back flow valve D 150

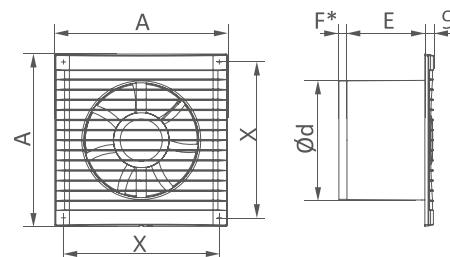


- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.
- For mounting in air shafts or connection with air ducts.
- Modern design.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- Extra-fine front panel (9mm).
- The motor on rolling bearings is installed. Does not require additional service.
- The motor is equipped with overheating protection.
- Fixing to the mounting place is carried out by means of screws.
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

Overall dimensions

Model	A	X	d	E	F*
E 100	160	140	100	76	7
E 125	180	160	125	82	8,5
E 150	205	187	150	86	10

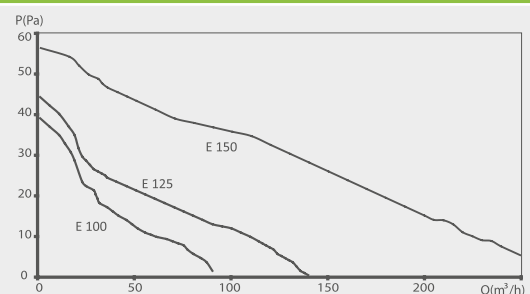
*-Only fans with back flow valve have this size



Technical characteristics

Characteristics	E 100	E 125	E150
Diameter, mm	100	125	150
Power consumption, W	14	16	16
Capacity, m ³ /h	90	140	250
Pressure, Pa	39	44	54
Noise level, db(A)	35	36	38
Current consumption, A	0,06	0,07	0,07

Performance diagram



ABS
plastic

5
YEARS
warranty

OVERHEATING
protection

MRe

INSECT
screen

PULL
cord

BACK
valve

NEO Series of fans



Articles

Article	Item
NEO 4S	Axial fan with mosquito net D 100
NEO 4S C	Axial fan with mosquito net and back flow valve D 100
NEO 4 -02	Axial fan with pull-cord switch D 100
NEO 4C-02	Axial fan with pull-cord switch and back flow valve D 100
NEO 4S MRe	Axial fan with mosquito net and Fusion Logic 1.2 controller D 100
NEO 4S C MRe	Axial fan with mosquito net, Fusion Logic 1.2 controller and back flow valve D 100
NEO 5S	Axial fan with mosquito net D 125
NEO 5S C	Axial fan with mosquito net and back flow valve D 125
NEO 5 -02	Axial fan with pull-cord switch D 125
NEO 5C-02	Axial fan with back flow valve and pull-cord switch D 125
NEO 5S MRe	Axial fan with mosquito net, Fusion Logic controller D125
NEO 5S C MRe	Axial fan with mosquito net, Fusion Logic 1.2 controller and back flow valve D125
NEO 6S	Axial fan with mosquito net D 150
NEO 6S C	Axial fan with mosquito net and back flow valve D 150
NEO 6 -02	Axial fan with pull-cord switch D 150
NEO 6C-02	Axial fan with back flow valve and pull-cord switch D 150
NEO 6S MRe	Axial fan with mosquito net, Fusion Logic controller D 150
NEO 6S C MRe	Axial fan with mosquito net, Fusion Logic 1.2 controller and back flow valve D 150

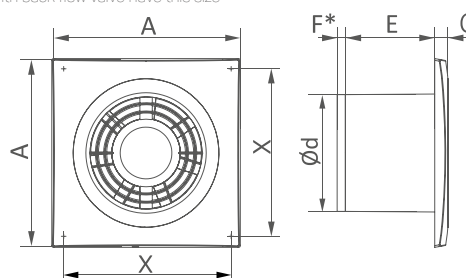


- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.
- For mounting in air shafts or connection with air ducts.
- Modern design.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- The motor on rolling bearings is installed. Does not require additional service.
- The motor is equipped with overheating protection.
- Fixing to the mounting place is carried out by means of screws.
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

Overall dimensions

Model	A	X	d	E	C	F*
NEO 4	160	140	100	76	12	7
NEO 5	180	160	125	82	11	8,5
NEO 6	205	187	150	86	11	10

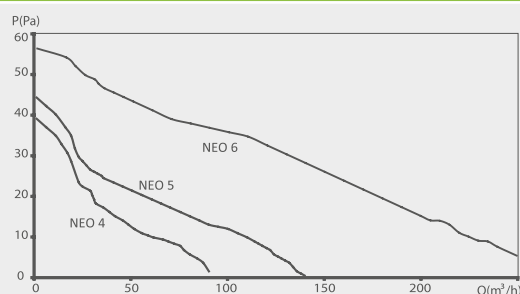
*-Only fans with back flow valve have this size



Technical characteristics

Characteristics	NEO 4	NEO 5	NEO 6
Diameter, mm	100	125	150
Power consumption, W	14	16	16
Capacity, m ³ /h	90	140	250
Pressure, Pa	39	44	54
Noise level, db(A)	35	36	38
Current consumption, A	0,06	0,07	0,07

Performance diagram



ABS
plastic

5
YEARS
warranty

OVERHEATING
protection

LIGHT
indication

INSECT
screen

ERA S

PULL
cord

ERA C

BACK
valve

ERA -02

ELECTRONIC
timer

ERA ET

PHOTO
sensor

ERA ETF

PHOTO
sensor

ERA HT

HUMIDITY

ERA Series of fans



Articles

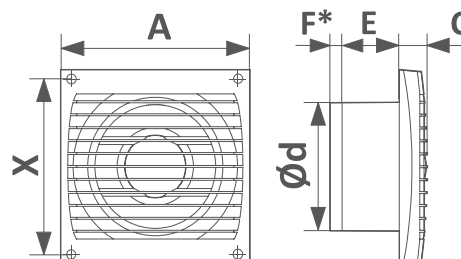
Article	Item
ERA 4 S	Axial fan with mosquito net D100
ERA 4 S ET	Axial fan with mosquito net and electronic timer D100
ERA 4S ET-02	Axial fan with mosquito net, pull-cord switch and electronic timer D100
ERA 4 C	Axial fan with back flow valve D100
ERA 4 C ET	Axial fan with back flow valve and electronic timer D100
ERA 4 S-02	Axial fan with mosquito net and pull-cord switch D100
ERA 4 C-02	Axial fan with back flow valve and pull-cord switch D100
ERA 4C HT	Axial fan with back flow valve, humidity sensor and electronic timer D100
ERA 4S HT	Axial fan with mosquito net, humidity sensor and electronic timer D100
ERA 4S ETF	Axial fan with mosquito net and phototimer D100
ERA 4S ETF-03	Axial fan with mosquito net, phototimer, dual-speed D100
ERA 5 S	Axial fan with mosquito net D125
ERA 5 S ET	Axial fan with mosquito net and electronic timer D125
ERA 5S ET-02	Axial fan with mosquito net, pull-cord switch and electronic timer D125
ERA 5 C	Axial fan with back flow valve D125
ERA 5 C ET	Axial fan with back flow valve and electronic timer D125
ERA 5 S-02	Axial fan with mosquito net and pull-cord switch D125
ERA 5C HT	Axial fan with mosquito net, humidity sensor and electronic timer
ERA 5S HT	Axial fan with humidity sensor and electronic timer D125
ERA 5C-02	Axial fan with back flow valve and pull-cord switch D125
ERA 5S ETF	Axial fan with mosquito net and phototimer D125
ERA 5S ETF-03	Axial fan with mosquito net and phototimer, dual-speed D125
ERA 6S	Axial fan with mosquito net D150
ERA 6S ET	Axial fan with mosquito net and electronic timer D150
ERA 6C	Axial fan with back flow valve D150
ERA 6C ET	Axial fan with back flow valve and electronic timer D150
ERA 6S-02	Axial fan with mosquito net and pull-cord switch D150
ERA 6C-02	Axial fan with back flow valve and pull-cord switch D150
ERA 6C HT	Axial fan with back flow valve, humidity sensor and electronic timer D150
ERA 6S HT	Axial fan with mosquito net, humidity sensor and electronic timer D150

- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments .
- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments .
- For mounting in air shafts or connection with air ducts.
- Modern design.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- Extra-fine front panel (9mm).
- The motor on rolling bearings is installed. Does not require additional service.
- The motor is equipped with overheating protection.
- Fixing to the mounting place is carried out by means of screws.
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

Overall dimensions

Model	A	X	E	d	C	F*
ERA 4	150	135	55	100	22	7
ERA 5	175	160	61	125	23	8,5
ERA 6	200	185	62	150	24	10

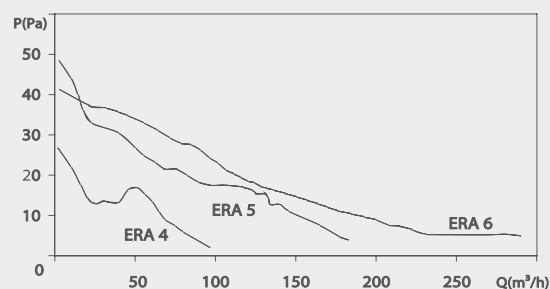
*-Only fans with back flow valve have this size



Technical characteristics

Characteristics	ERA 4	ERA 5	ERA 6
Diameter, mm	100	125	150
Power consumption, W	14	16	16
Capacity, m3/h	97	183	290
Pressure, Pa	28	50	42
Noise level, db(A)	35	36	38
Current consumption, A	0,06	0,07	0,07

Performance diagram



ABS plastic

5 YEARS warranty

OVERHEATING protection

BACK valve

DISC C

BALL bearing

DISC BB

DISC Series of fans



- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.
- For mounting in air shafts or connection with air ducts.
- Modern design.
- Easily removable panel
- The motor on rolling bearings is installed. Does not require additional service.
- The motor is equipped with overheating protection.
- The motor on ball-bearings with the extended service life (up to 40 000 working hours) and does not require additional service.
- Fixing to the mounting place is carried out by means of screws.
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

Articles

Article	Item
DISC 4	Axial fan with mosquito net D100
DISC 4C	Axial fan with mosquito net and electronic timer D100
DISC 4 BB	Axial fan with mosquito net, pull-cord switch and electronic timer D100
DISC 5	Axial fan with back flow valve D100
DISC 5C	Axial fan with back flow valve and electronic timer D100
DISC 5 BB	Axial fan with mosquito net and pull-cord switch D100

Ceiling mounting



Mounting of the fan, equipped with BB option in a ceiling or other horizontal surfaces is possible

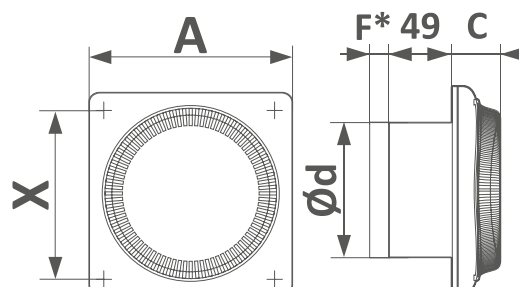
Easily removable panel



Overall dimensions

Model	A	X	d	C	F*
DISC 4	150	140	100	36	8
DISC 5	185	165	125	38	10

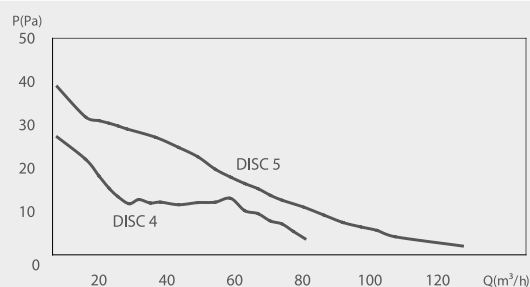
*-Only fans with back flow valve have this size



Technical characteristics

Characteristics	DISC 4	DISC 5
Diameter, mm	100	125
Power consumption, W	16	20
Capacity, m3/h	80	130
Pressure, Pa	28	40
Noise level, db(A)	35	36
Current consumption, A	0,07	0,09

Performance diagram



ABS
plastic

5
YEARS
warranty

OVERHEATING
protection

BACK
valve

FAVORITE C

POWER
cord

FAVORITE 01

FAVORITE Series of fans



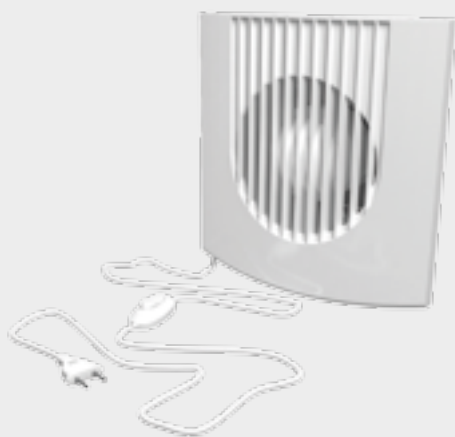
- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.
- For mounting in air shafts or connection with air ducts.
- Modern design.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- The motor on rolling bearings is installed. Does not require additional service.
- The motor is equipped with overheating protection.
- Fixing to the mounting place is carried out by means of screws.
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

Articles

Article	Item
FAVORITE 4	Axial fan D100
FAVORITE 4-01	Axial fan with network cable and switch D100
FAVORITE 4C	Axial fan with back flow valve D100
FAVORITE 4C-01	Axial fan with back flow valve, network cable and switch D100
FAVORITE 5	Axial fan D125
FAVORITE 5-01	Axial fan with network cable and switch D125
FAVORITE 5C	Axial fan with back flow valve D125
FAVORITE 5C-01	Axial fan with back flow valve, network cable and switch D125



Network cable and plug

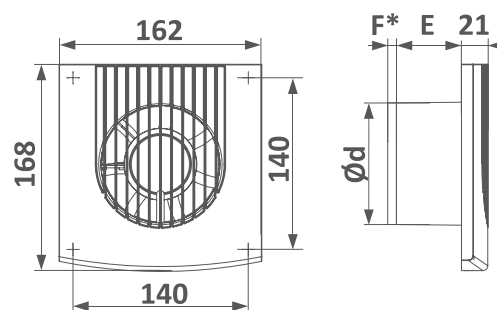


The fan with «-01» option is equipped with network cable and plug

Overall dimensions

Model	d	E	F*
FAVORITE 4	100	52	7
FAVORITE 5	125	59	8,5

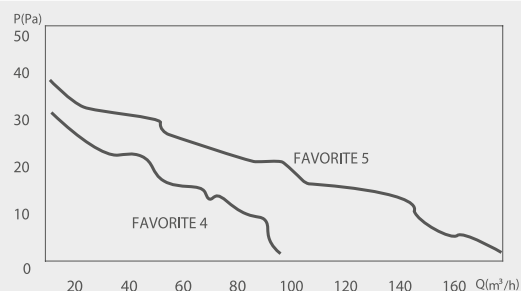
*-Only fans with back flow valve have this size



Technical characteristics

Characteristics	FAVORITE 4	FAVORITE 5
Diameter, mm	100	125
Power consumption, W	16	18
Capacity, m3/h	95	180
Pressure, Pa	31	36
Noise level, db(A)	35	36
Current consumption, A	0,07	0,08

Performance diagram



ABS
plastic

5
YEARS
warranty

OVERHEATING
protection

BACK
valve

COMFORT C

POWER
cord

COMFORT -01

COMFORT Series of fans



- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.
- For mounting in air shafts or connection with air ducts.
- Modern design.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- The motor on rolling bearings is installed. Does not require additional service.
- The motor is equipped with overheating protection.
- Fixing to the mounting place is carried out by means of screws.
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

Articles

Article	Item
COMFORT 4	Axial fan D100
COMFORT 4-01	Axial fan with network cable and switch D100
COMFORT 4C	Axial fan with back flow valve D100
COMFORT 4C-01	Axial fan with back flow valve, network cable and switch D100
COMFORT 5	Axial fan D125
COMFORT 5-01	Axial fan with network cable and switch D125
COMFORT 5C	Axial fan with back flow valve D125
COMFORT 5C-01	Axial fan with back flow valve, network cable and switch D125



Network cable and plug

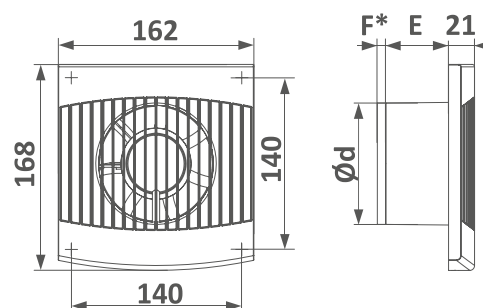


The fan with «-01» option is equipped with network cable and plug

Overall dimensions

Model	d	E	F*
COMFORT 4	100	52	7
COMFORT 5	125	59	8,5

*-Only fans with back flow valve have this size



Technical characteristics

Characteristics	COMFORT 4	COMFORT 5
Diameter, mm	100	125
Power consumption, W	16	18
Capacity, m3/h	95	180
Pressure, Pa	31	36
Noise level, db(A)	35	36
Current consumption, A	0,07	0,08

Performance diagram



ABS
plastic

5
YEARS
warranty

OVERHEATING
protection

LOUVERS
auto
EURO A

LOUVERS
hand
EURO AM

ELECTRONIC
timer
EURO ET

PHOTO
sensor
EURO ETF

HUMIDITY
sensor
EURO HT

EURO Series of fans



· For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.

· For mounting in air shafts or connection with air ducts.

· Modern design.

· Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.

· The motor on rolling bearings is installed. Does not require additional service.

· The motor is equipped with overheating protection.

· Fixing to the mounting place is carried out by means of screws.

· AM series fan is equipped with a thermal actuator that provides smooth opening and closing of automatic blinds (within 40 seconds after turning on / off the fan), which prevent back draught.

· For fans of AM Series - turning on / off the device and the opening / closing of the blinds are carried out by pull cord switch.

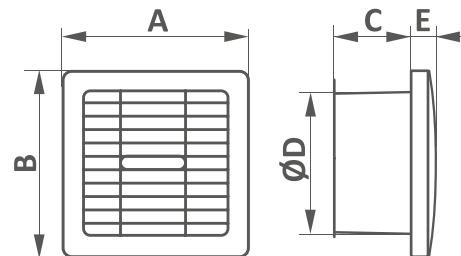
· Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

Articles

Article	Item
EURO 4	Axial fan D100
EURO 4A	Axial exhaust fan with automatic blinds D100
EURO 4AM	Axial exhaust fan with pull cord switch D 100
EURO 4A ETF	Axial exhaust fan with automatic blinds and phototimer D 100
EURO 4A HT	Axial exhaust fan with automatic blinds, humidity sensor and timer D 100
EURO 4A ET	Axial exhaust fan with automatic blinds and electronic timer D 100
EURO 4AM ETF	Axial exhaust fan with pull cord switch and phototimer D 100
EURO 4AM HT	Axial exhaust fan with pull cord switch, humidity sensor and timer D 100
EURO 4AM ET	Axial exhaust fan with pull cord switch and timer D 100
EURO 5	Axial fan D120
EURO 5A	Axial exhaust fan with automatic blinds D120
EURO 5AM	Axial exhaust fan with pull cord switch D120
EURO 5A ETF	Axial exhaust fan with automatic blinds and phototimer D120
EURO 5A HT	Axial exhaust fan with automatic blinds, humidity sensor and timer D120
EURO 5A ET	Axial exhaust fan with automatic blinds and electronic timer D D120
EURO 5AM ETF	Axial exhaust fan with pull cord switch and phototimer D 120
EURO 5AM HT	Axial exhaust fan with pull cord switch, humidity sensor and timer D 120
EURO 5AM ET	Axial exhaust fan with pull cord switch and timer D 120

Overall dimensions

Model	A	B	C	E	d
EURO 4	153	153	66	29	100
EURO 5	176	176	71	29	120

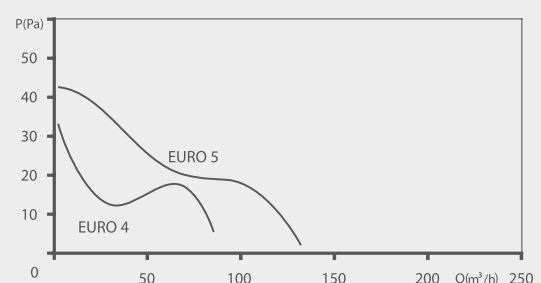


AM series fan is equipped with a thermal actuator that provides smooth opening and closing of automatic blinds (within 40 seconds after turning on / off the fan), which prevent back draught.

Technical characteristics

Characteristics	EURO 4	EURO 5
Diameter, mm	100	120
Power consumption, W	19	20
Capacity, m ³ /h	100	150
Pressure, Pa	65	30
Noise level, db(A)	39,5	42
Current consumption, A	0,09	0,09

Performance diagram



ABS
plastic

5
YEARS
warranty

OVERHEATING
protection

BACK
valve

OPTIMA C

POWER
cord

OPTIMA -01

OPTIMA Series of fans



- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.
- For mounting in air shafts or connections with air ducts.
- Modern design.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- The motor on rolling bearings is installed. Does not require additional service.
- The motor is equipped with overheating protection.
- Fixing to the mounting place is carried out by means of screws.
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

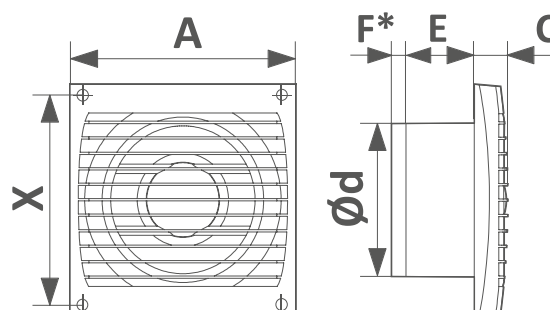
Articles

Article	Item
OPTIMA 4	Axial fan D100, polypropylene
OPTIMA 4C	Axial exhaust fan with back flow valve D 100, polypropylene
OPTIMA 4-02	Axial exhaust fan with pull-cord switch D 100, polypropylene
OPTIMA 5	Axial fan D125, polypropylene
OPTIMA 5C	Axial exhaust fan with back flow valve D 125, polypropylene
OPTIMA 5-02	Axial exhaust fan with pull-cord switch D 125, polypropylene

Overall dimensions

Model	A	X	E	d	C	F*
OPTIMA 4	150	135	55	100	22	7
OPTIMA 5	175	160	61	125	23	8,5

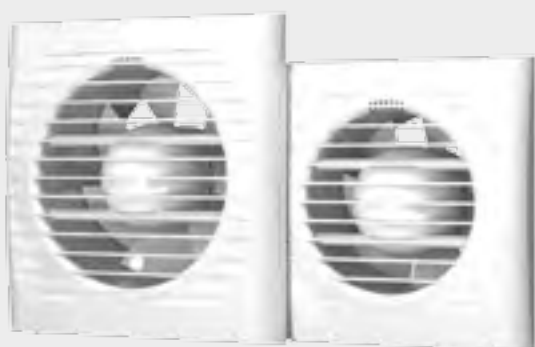
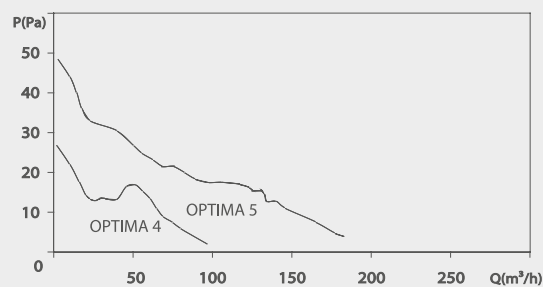
*-Only fans with back flow valve have this size



Technical characteristics

Characteristics	OPTIMA 4	OPTIMA 5
Diameter, mm	100	125
Power consumption, W	14	14
Capacity, m ³ /h	97	180
Pressure, Pa	28	36
Noise level, db(A)	35	36
Current consumption, A	0,06	0,06

Performance diagram



ABS
plastic

5
YEARS
warranty

OVERHEATING
protection

BACK
valve

FLOW C

BALL
bearing

FLOW BB

FLOW Series of fans



- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.
- For mounting in air shafts or connection with air ducts.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- The motor on rolling bearings is installed. Does not require additional service.
- The motor is equipped with overheating protection.
- Fixing to the mounting place is carried out by means of screws.
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

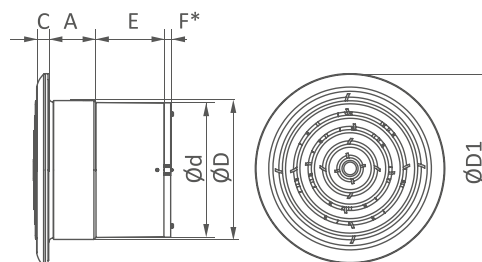
Articles

Article	Item
Flow 4 BB	Axial duct exhaust fan with round grill and ball-bearings motor D 100
Flow 4 C BB	Axial fan with back flow valve, round grill and ball-bearings motor D 100
Flow 5 BB	Axial duct exhaust fan with round grill and ball-bearings motor D 125
Flow 5 C BB	Axial fan with back flow valve, round grill and ball-bearings motor D 125
Flow 6 BB	Axial duct exhaust fan with round grill and ball-bearings motor D 160

Overall dimensions

Model	d	D	D1	E	A	C	F*
FLOW 4	100	103	143	52	33	11	7
FLOW 5	125	128	164	58	34	12	8,5
FLOW 6	160	163	200	66	42	13	-

*-Only fans with back flow valve have this size



Ceiling mounting

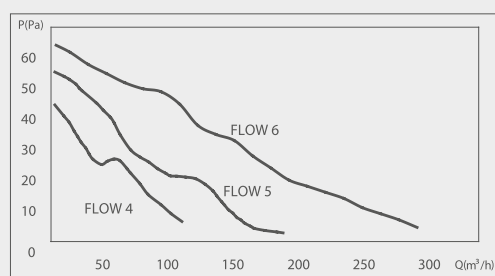


Mounting of the fan, equipped with BB option in a ceiling or other horizontal surfaces is possible

Technical characteristics

Characteristics	FLOW 4	FLOW 5	FLOW 6
Diameter, mm	100	125	160
Power consumption, W	14	18	22
Capacity, m ³ /h	107	190	300
Pressure, Pa	46	56	65
Noise level, db(A)	35	36	38
Current consumption, A	0,06	0,08	0,10

Performance diagram



ABS
plastic

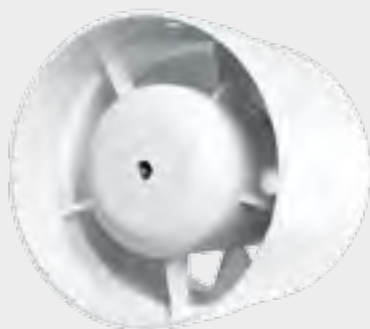
5
YEARS
warranty

OVERHEATING
protection

12V
PROFIT 12V

BALL
bearing
PROFIT BB

PROFIT Series of fans



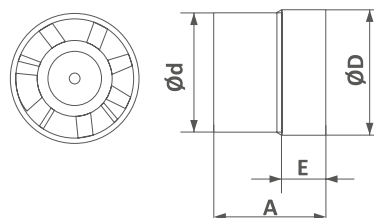
- For constant or periodic exhaust ventilation of bathrooms, kitchens and other domestic compartments.
- Used with plastic PVC ducts or flexible ducts.
- Exhaust or supply ventilation, depends on fan installation.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- The motor on rolling bearings is installed. Does not require additional service.
- The motor is equipped with overheating protection.
- For PROFIT 12 V - for connection of the fan with low voltage motor of 12 V to 220 V / 50 Hz network it is necessary to purchase a reducing transformer.
- For PROFIT BB - motor on ball bearings with extended operational life (up to 40 000 operating hours) is installed.
- Fans of this series have different diameters of inlet and outlet pipes for the possibility of connection of grill of RPKF series with flange of the corresponding diameter from the air intake side (if the fan is installed directly in the ventilation shaft opening or in place of the existing ventilation grill).
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

Articles

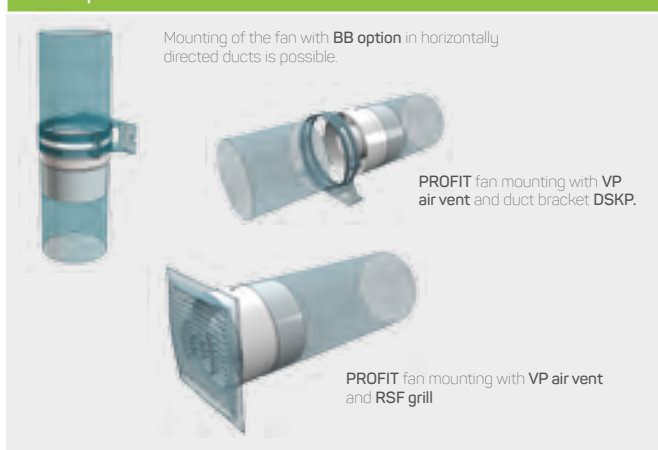
Article	Item
PROFIT 4	Axial duct supply and exhaust fan D100
PROFIT 4BB	Axial duct supply and exhaust fan with ball-bearings motor D100
PROFIT 4 12V	Axial duct supply and exhaust fan, low voltage D100
PROFIT 5	Axial duct supply and exhaust fan D125
PROFIT 5BB	Axial duct supply and exhaust fan with ball-bearings motor D125
PROFIT 5 12V	Axial duct supply and exhaust fan, low voltage D125
PROFIT 6	Axial duct supply and exhaust fan D160
PROFIT 6BB	Axial duct supply and exhaust fan with ball-bearings motor D160
PROFIT 6 12V	Axial duct supply and exhaust fan, low voltage D160

Overall dimensions

Model	d	D	A	E
PROFIT 4	100	103	80	30
PROFIT 5	125	128	87	30
PROFIT 6	160	163	101	35



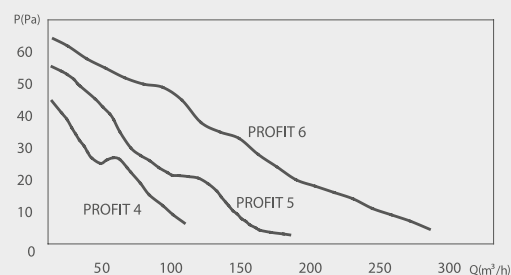
Example use



Technical characteristics

Characteristics	PROFIT 4/ PROFIT 4 12V	PROFIT 5/ PROFIT 12V	PROFIT 6/ PROFIT 6 12V
Diameter, mm	100	125	160
Power consumption, W	14	18	22
Capacity, m ³ /h	107	190	300
Pressure, Pa	46	56	65
Noise level, db(A)	35	36	38
Current consumption, A	0,06/ 1,33	0,08/ 15	0,1/ 1,83

Performance diagram



ABS
plastic

5
YEARS
warranty

OVERHEATING
protection

PULL
cord

HPS Series of fans



- Axial window fan with back flow valve for exhaust ventilation.
- Case and impeller are made from the high-quality ABS plastic, resistant to ultraviolet.
- Permanent or periodic exhaust ventilation of kitchens and other domestic compartments.
- Motor is equipped with overheating protection.
- Installed directly in window opening.
- Turning on/off the device and opening/closing of protecting valve is carried out by pull-cord switch.
- The motor on rolling bearings is installed. Does not require additional service.
- Degree of cover protection of an electric equipment against penetration of solid objects and water - IP24.

Articles

Article	Item
HPS 15	Axial window fan D178
HPS 20	Axial window fan D240

Ceiling mounting

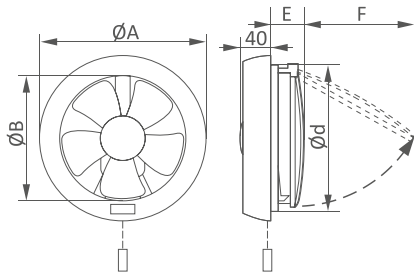
- It is recommended to install the fan in plexiglass, thickness not less than 5 mm or in plastic panel, thickness not less than 3mm;
- Installation of the fan in the window frames with double glazing or thermopane glass is impossible;
- Exhaust HPS fan can only be installed in the fixed part of the window.

Overall dimensions

Model	d	A	B	E	F
HPS 15	178	195	165	35	185
HPS 20	240	252	210	45	235

Technical characteristics

Characteristics	HPS 15	HPS 20
Diameter, mm	178	240
Power consumption, W	15	20
Capacity, m3/h	280	330
Noise level, db(A)	38	47
Current consumption, A	0,07	0,09

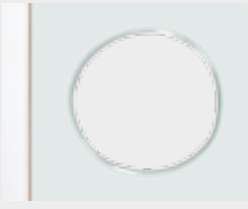


Opening is cut in the window:
D - 178 (HPS 15)
D - 240 (HPS 20)

1

2

The walls of the holes are laid with antivibration gasket, which is supplied. The excess portion of the seal is cut.



4

In a prepared hole in the glazing bead (D - 6 mm) the fan power cable is inserted.



3

In the prepared hole the fan is inserted (protective valve must be opened). First- the top edge is inserted, which stop bar is pressed against the edge of plexiglass, then the lower edge.



5

Pin shafts are pressed against the surface, and inserted in the opening by pressing (if necessary, pin shafts can be cut by 1-3 mm).



ABS
plastic



OK Valve for axial domestic fans, preventing back draught



Back flow valve of OK series for domestic axial fans with flange diameter of 100, 125 and 150 mm.

It provides protection against all kinds of odors that may filter through air holes. In order to improve

elasticity and flexibility of back flow valve, the material of leaves was replaced from ABS-plastic to

plastic polypropylene. This fact increased durability of products, which is important for constant

opening / closing of back flow valve during fan operation.

Articles

Article	Item
100 OK	Protection from back draught, D100
125 OK	Protection from back draught, D125
150 OK	Protection from back draught, D150

Overall dimensions

Model	D	B	A
100OK	100	10,5	7
125OK	125	12	8,5
150OK	150	13,5	10

Spring mechanism



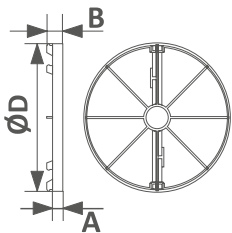
Back flow valve is rigged with a spring mechanism that provides complete block of air flow and does not prevent natural ventilation.



Due to the technology of thin-walled casting and spring mechanism, opening of ERA back flow valve is much more easier, when the fan is turned on.

List of fans

COMFORT 4	E 100	ERA 5	AURA 4	ArtFan
COMFORT 5	E 125	SLIM 4	AURA 5	
FAVORITE 4	E 150	SLIM 5	STANDARD 4	
FAVORITE 5	ERA 4	SLIM 6	STANDARD 5	



Attachment points



Our valve is attached to the fan pipe using 8 «attachment points», which ensures its reliable fixing during its operational life.

Zn

1
YEAR
warranty

OVERHEATING
protection

CV Series of fans



CV - exhaust fans, which are used for ventilation. Designed for installation in both residential and public spaces (shops, restaurants, etc.) and production facilities (warehouses, workshops, etc.).

CV fans consist of:

- the individual single-phase induction motor, characterized by quiet operation against efficiency;
- profiled aluminum blades;
- cases are made of galvanized sheet iron or sheet metal with polymeric coating, which is resistant to corrosion and mechanical damage, designed to be mounted directly in the air duct. Some models are equipped with reservoirs that regulate the direction of air masses, and this allows to deliver the maximal flow of fresh air into the room. Specifications are given in the table below. Degree of cover protection of an electric equipment against penetration of solid objects and water - IPX4.

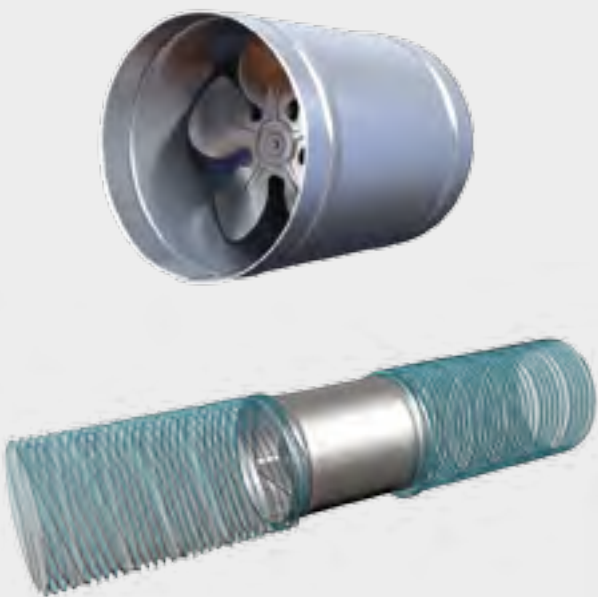
Articles

Article	Item
CV-150	Axial duct metal fanD150
CV-160	Axial duct metal fanD160
CV-200	Axial duct metal fanD200
CV-250	Axial duct metal fanD250
CV-300	Axial duct metal fanD300

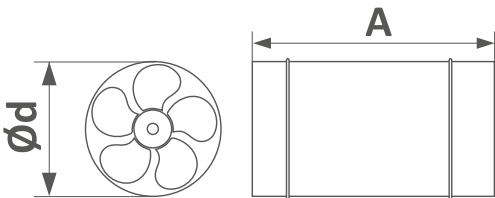
Overall dimensions

Model	d	A
CV-150	100	200
CV-160	150	200
CV-200	200	220
CV-250	250	275
CV-300	300	315

Ceiling mounting



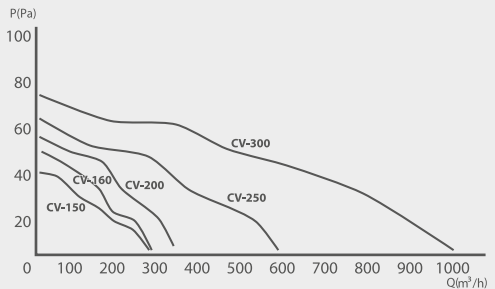
An example of the fan mounting to the flexible air ducts
VA and steel clamps.



Technical characteristics

Characteristics	CV-150	CV-160	CV-200	CV-250	CV-300
Diameter, mm	150	160	200	250	300
Power consumption, W	30	30	30	42	58
Capacity, m3/h	270	280	350	600	1000
Pressure, Pa	40	50	55	65	75
Noise level, db(A)	50	51	54	57	62
Current consumption, A	0,14	0,14	0,14	0,19	0,26

Performance diagram





STELS Series of fans



- Compact duct centrifugal fan in metal case with polymer black coated enamel.
- Suitable for ventilation systems.
- Exhaust or supply ventilation, depending on the fan installation type in the system.
- Airproof terminal block.
- Single-phase motor with external rotor on ball bearings rigged with centrifugal impeller with back curved blades. It has a built-in thermal protection with automatic restart. Protection class IP 44.
- The impeller is made of metal.
- Fans are mounted in the duct of the diameter in any point of the ventilation system.
- Wall or ceiling mounting is carried out by means of mounting brackets.
- Speed regulation is possible. It can be both smooth and stepped and carried out through thyristor or autotransformer controller. Several fans can be connected to one controller, provided that their total power and operating current do not exceed the rated controller parameters.

Articles

Article	Item
STELS 100	Centrifugal duct supply and exhaust fan, steel D100
STELS 125	Centrifugal duct supply and exhaust fan, steel D125
STELS 150	Centrifugal duct supply and exhaust fan, steel D150

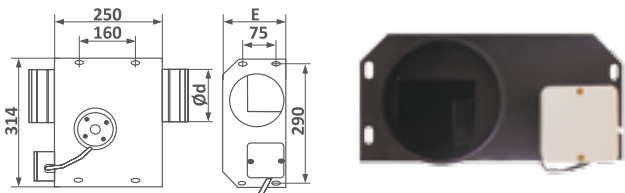
Overall dimensions

Model	d	E
STELS 100	100	152
STELS 125	125	152
STELS 150	150	172

A plurality of fasteners



Compact steel fan case is equipped with a plurality of fasteners, provided reliable fixation even in the most complicated installation options.



Technical characteristics

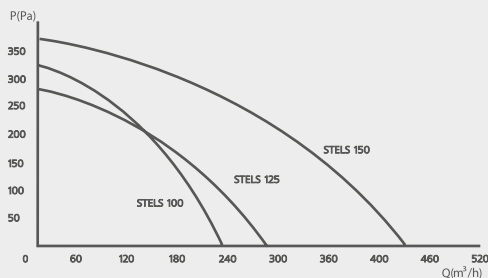
Characteristics	STELS 100	STELS 125	STELS 150
Diameter, mm	100	125	160
Power consumption, W	58	63	126
Capacity, m ³ /h	210	270	432
Pressure, Pa	310	271	360
Noise level, db(A)	56	50	58
Current consumption, A	0,26	0,29	0,57
Maximal operating temperature (°C)	40	40	40

Easy maintenance



There is an inspection window for access to the motor and impeller, it allows to make a service without dismantling of fan ventilation systems.

Performance diagram



Zn

TORNADO Series of fans

1
YEAR
warranty

BALL
bearing



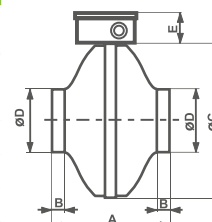
- Centrifugal duct fans with zinc plated steel case.
- Suitable for ventilation systems.
- Exhaust or supply ventilation, depending on the fan installation type in the system.
- Airproof terminal block.
- Single-phase motor with external rotor on ball bearings rigged with centrifugal impeller with back curved blades. It has a built-in thermal protection with automatic restart. Protection class IP 44.
- Fans with pipe diameter of 100, 125, 150, 160, 200 mm. equipped with an impeller with plastic blades. Fans with a pipe diameter of 250, 315 mm. equipped with an impeller with metal blades.
- The fans are designed for duct mounting in air vent of the corresponding diameter in any point and at any angle of the ventilation system.
- Wall or ceiling mounting is carried out by means of mounting brackets.
- Speed regulation is possible. It can be both smooth and stepped and carried out through thyristor or autotransformer controller. Several fans can be connected to one controller, provided that their total power and operating current do not exceed the rated controller parameters.

Articles

Article	Item
TORNADO 100	Centrifugal duct supply and exhaust fan, steel D100
TORNADO 125	Centrifugal duct supply and exhaust fan, steel D125
TORNADO 150	Centrifugal duct supply and exhaust fan, steel D150
TORNADO 160	Centrifugal duct supply and exhaust fan, steel D160
TORNADO 200	Centrifugal duct supply and exhaust fan, steel D200
TORNADO 250	Centrifugal duct supply and exhaust fan, steel D250
TORNADO 315	Centrifugal duct supply and exhaust fan, steel D315

Overall dimensions

Model	A	B	C	D	E
TORNADO 100	194	23	243	100	55
TORNADO 125	195	27	243	125	55
TORNADO 150	222	23	333	150	55
TORNADO 160	222	25	333	160	55
TORNADO 200	223	24	333	200	55
TORNADO 250	230	27	333	250	55
TORNADO 315	228	25	402	315	55



Constructional features



ebmpapst

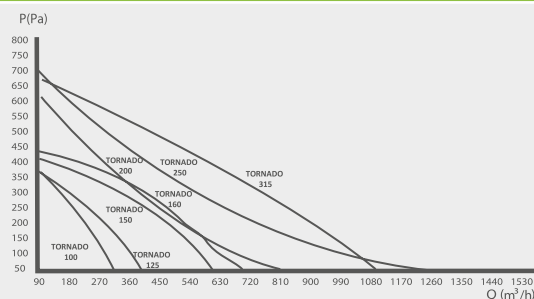
EBM-papst company is a provider of fractional systems and industrial motors. GreenTech EC technology provides performance exceeding requirements of ErP regulations [Energy related Products-Directive].



Technical characteristics

Characteristics	TORNADO 100	TORNADO 125	TORNADO 150	TORNADO 160	TORNADO 200	TORNADO 250	TORNADO 315
Diameter, mm	100	125	150	160	200	250	315
Power consumption, W	52	52	85	85	135	210	225
Capacity, m ³ /h	265	370	630	680	900	1100	1700
Pressure, Pa	310	310	380	400	540	580	740
Noise level, db(A)	48	48	50	50	51	51	53
Current consumption, A	0,24	0,24	0,39	0,39	0,61	0,95	1,02
Rotation frequency, RPM	2350	2350	2700	2700	2650	2500	2700
Current type	alternate, single-phase						

Performance diagram



Zn

TORNADO Series of fans

1
YEAR
warranty

3
BALL
bearing



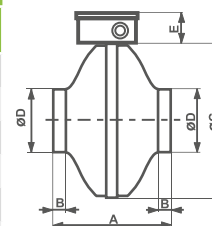
- Centrifugal duct fans with zinc plated steel case.
- Suitable for ventilation systems.
- Exhaust or supply ventilation, depending on the fan installation type in the system.
- Airproof terminal block.
- Single-phase motor with external rotor on ball bearings rigged with centrifugal impeller with back curved blades. It has a built-in thermal protection with automatic restart. Protection class IP 44.
- Fans with pipe diameter of 100, 125, 150, 160, 200 mm. equipped with an impeller with plastic blades. Fans with a pipe diameter of 250, 315 mm. equipped with an impeller with metal blades.
- The fans are designed for duct mounting in air vent of the corresponding diameter in any point and at any angle of the ventilation system.
- Wall or ceiling mounting is carried out by means of mounting brackets.
- Speed regulation is possible. It can be both smooth and stepped and carried out through thyristor or autotransformer controller. Several fans can be connected to one controller, provided that their total power and operating current do not exceed the rated controller parameters.

Articles

Article	Item
MARS 100	Centrifugal duct supply and exhaust fan, steel D100
MARS 125	Centrifugal duct supply and exhaust fan, steel D125
MARS 150	Centrifugal duct supply and exhaust fan, steel D150
MARS 160	Centrifugal duct supply and exhaust fan, steel D160
MARS 200	Centrifugal duct supply and exhaust fan, steel D200
MARS 250	Centrifugal duct supply and exhaust fan, steel D250
MARS 315	Centrifugal duct supply and exhaust fan, steel D315

Overall dimensions

Model	A	B	C	D	E
MARS 100	194	23	243	100	55
MARS 125	195	27	243	125	55
MARS 150	222	23	333	150	55
MARS 160	222	25	333	160	55
MARS 200	223	24	333	200	55
MARS 250	230	27	333	250	55
MARS 315	228	25	402	315	55



Technical characteristics

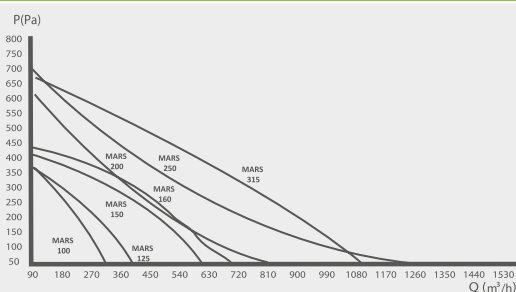
Characteristics	MARS GDF 100	MARS GDF 125	MARS GDF 150	MARS GDF 160	MARS GDF 200	MARS GDF 250	MARS GDF 315
Diameter, mm	100	125	150	160	200	250	315
Power consumption, W	70	70	115	115	180	200	250
Capacity, m ³ /h	380	420	620	660	920	1090	1500
Pressure, Pa	340	310	420	450	580	640	690
Noise level, db(A)	49	49	49	49	51	52	53
Current consumption, A	0,32	0,32	0,52	0,52	0,82	0,91	1,14
Rotation frequency, RPM	2450	2450	2580	2580	2600	2650	2500
Current type	alternate, single-phase						

Constructional features

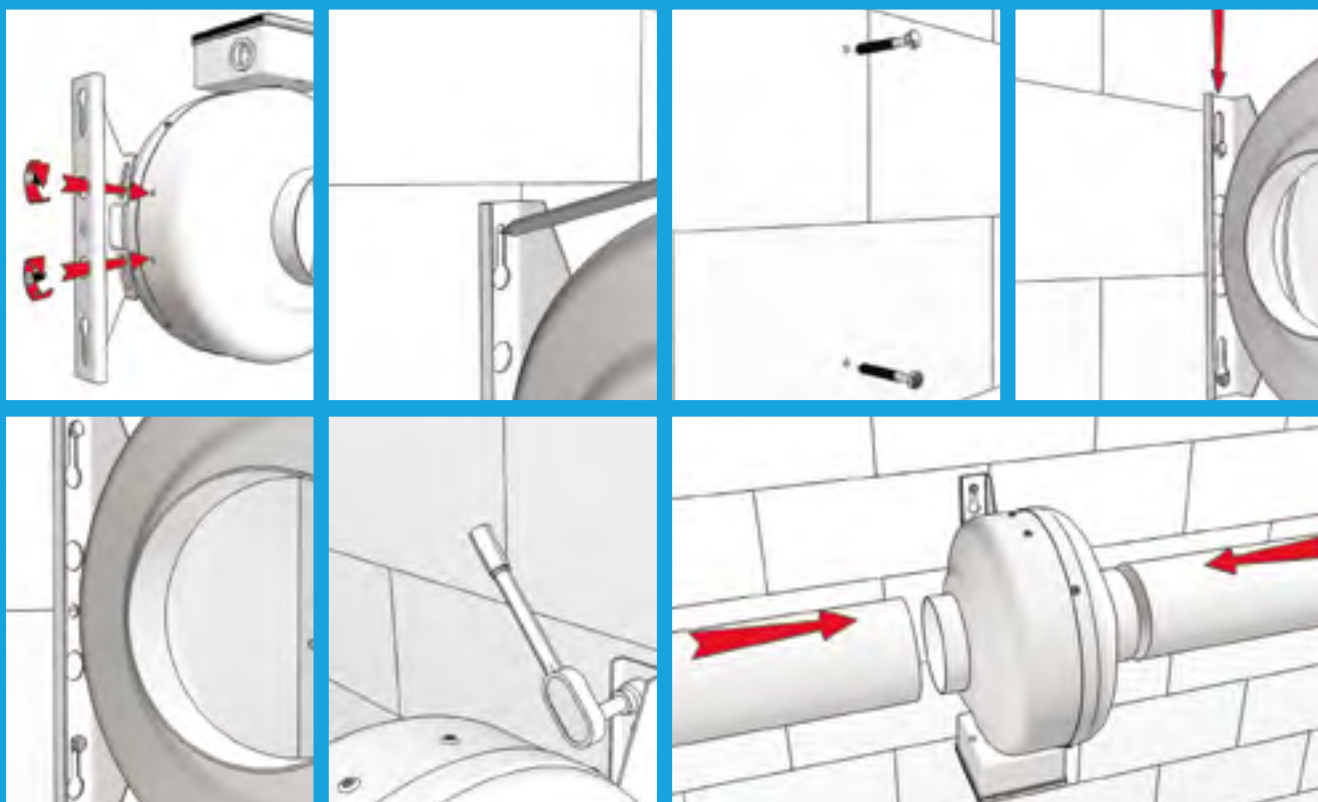


The device has an impeller wheel made of plastic and an external terminal box. Installation is carried out in air vent of circular section. Installation in the street is possible.

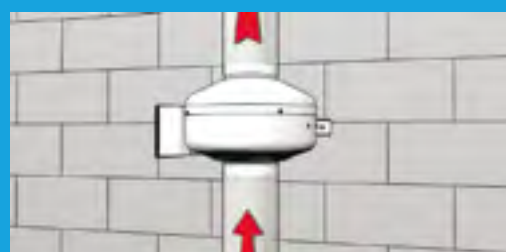
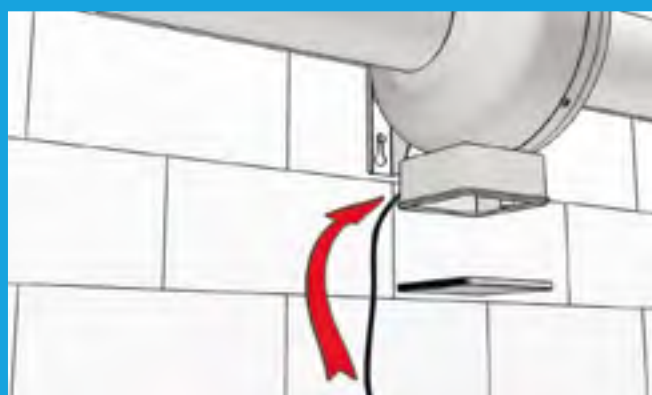
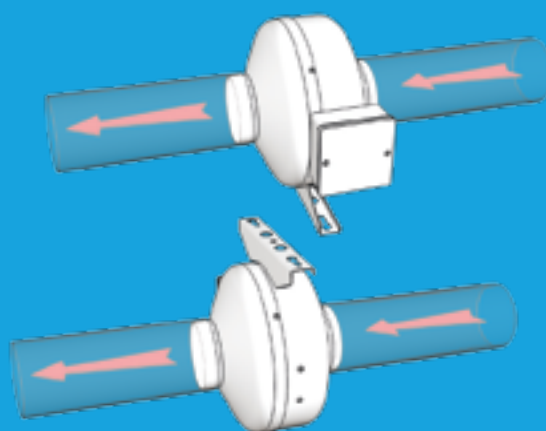
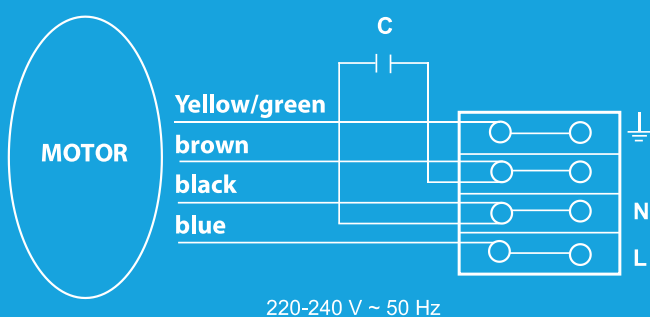
Performance diagram



MARS and TORNADO installation instruction



Wiring diagram



Installation options



STORM Series of fans



- Axial low-pressure fan in metal case with polymer black coated enamel.
- Suitable for supply and exhaust ventilation systems and also used in refrigerating engineering for cooling of compressor-condensate blocks.
- Exhaust or supply ventilation, depending on the fan installation type.
- Airproof terminal block.
- Asynchronous motors on ball-bearings have a built-in thermal protection. Protection class IP 44.
- Depending on the model, it is used double or four-pole asynchronous motors.
- For models Ø 200, 250, 300 mm. - double-pole motors.
- For models Ø 350, 400, 450 mm. - four pole motors.
- Wall or ceiling mounting is carried out by means of square mounting plate.
- Have a flange, mounted to air ducts of the corresponding diameter.
- Speed regulation is possible. It can be both smooth and stepped and carried out through thyristor or autotransformer controller. Several fans can be connected to one controller, provided that their total power and operating current do not exceed the rated controller parameters.

Articles

Article	Item
Storm YWF2E 200	Axial low-pressure fan with mounting flange, steel D200
Storm YWF2E 250	Axial low-pressure fan with mounting flange, steel D250
Storm YWF2E 300	Axial low-pressure fan with mounting flange, steel D300
Storm YWF4E 350	Axial low-pressure fan with mounting flange, steel D350
Storm YWF4E 400	Axial low-pressure fan with mounting flange, steel D400
Storm 450	Axial low-pressure fan with mounting flange, steel D450

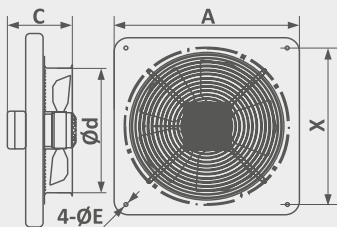
Overall dimensions

Model	C	X	A	d	E
Storm YWF2E 200	130	225	305	230	7
Storm YWF2E 250	140	315	375	280	7
Storm YWF2E 300	150	375	430	330	10
Storm YWF4E 350	160	430	485	380	10
Storm YWF4E 400	170	485	540	430	10
Storm 450	185	515	575	480	10

Technical characteristics

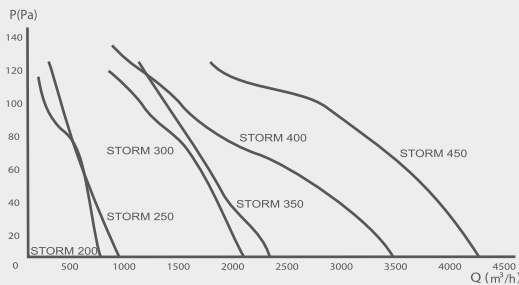
Characteristics	STORM 200	STORM 250	STORM 300	STORM 350	STORM 400	STORM 450
Diameter, mm	100	125	150	160	200	250
Power consumption, W	55	80	145	135	180	250
Capacity, m3/h	890	1100	2300	2600	3830	4800
Pressure, Pa	110	120	115	120	130	120
Noise level, db(A)	50	60	61	62	63	64
Current consumption, A	0,25	0,36	0,66	0,61	0,82	1,14
Rotation frequency, RPM	2550	2480	2350	1400	1400	1300

Constructional features



Equipped by external rotor motor, impeller is made of metal with a black powder coating and mounted with sickle-shaped blades, which are dynamically balanced in two surfaces for better noise reduction.

Performance diagram



ABS
plastic

BALL
bearing

SKC Valve with back draught protection, metal



- Back flow valve with 2 spring-loaded plates is designed to prevent air flow in the opposite direction when the ventilation system is turned off.
- Valve plates are opened under the pressure created by the air flow and closed by a spring.
- Valve case is made of zinc-plated steel and plate is made of sheet aluminum.
- Valve is equipped with a special gasket of the foam rubber to reduce noise during operation of the valve and to ensure its integrity.
- Valve is intended for connection with round air ducts. Fastened with clamps.
- During the valve installation in ventilation system, the axis must be positioned vertically.

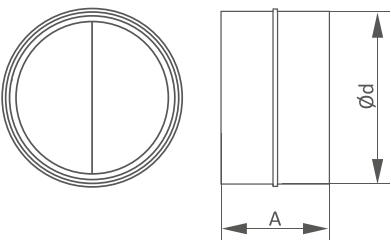
Attention! While placing of valve in the ventilation system, the direction of air flow must be taken into account.

Articles

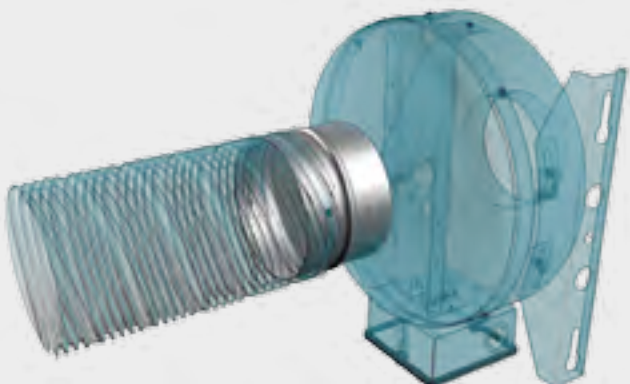
Article	Item
100SKC	Metal connector with back draught protection D100
125SKC	Metal connector with back draught protection D125
150SKC	Metal connector with back draught protection D150
160SKC	Metal connector with back draught protection D160
200SKC	Metal connector with back draught protection D200
250SKC	Metal connector with back draught protection D250
315SKC	Metal connector with back draught protection D315

Overall dimensions

Model	d	A
100SKC	96	88
125SKC	121	88
150SKC	146	88
160SKC	155	88
200SKC	197	88
250SKC	247	128
315SKC	312	128

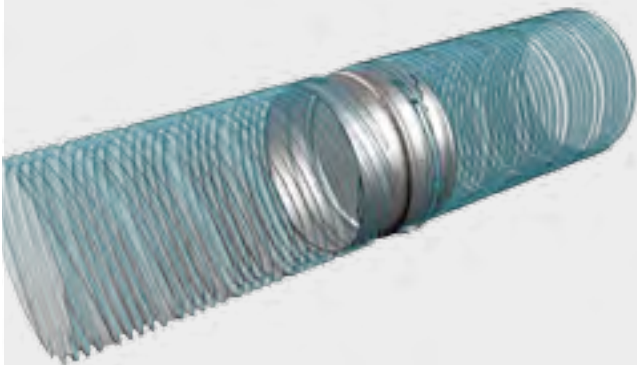


Example use



Mounting example of SKC with air vent and commercial TORNADO fan

Example use



Mounting example of SKC with flexible VA air vents. Fixed by means of steel clamps

ABS
plastic

RS Single-phase electronic speed controllers



- Regulators are used in ventilation systems for control of rotation speed of the fan motor.
- Speed control is carried out from minimum to maximum value by means of knob control, mounted on the board, and it is responsible for the on / off function. The minimum rotation speed is defined by a pot resistor.
- By means of speed controller it is possible to control several fans. However, for this option there is one condition: the total current consumption must not exceed maximum permissible value of the current regulator.
- Installation is made on the wall inside the building (model RS-V) or in a standard electrical round box (model RS-N).
- Equipped with RFI filter and a fuse to 2.5A (+ spare fuse included).
- Speed controllers help to save energy, reduce noise from the working fan, setting it on a small speed if there is no need for the fan operation at maximum speed and that can extend the life of the equipment by several times.

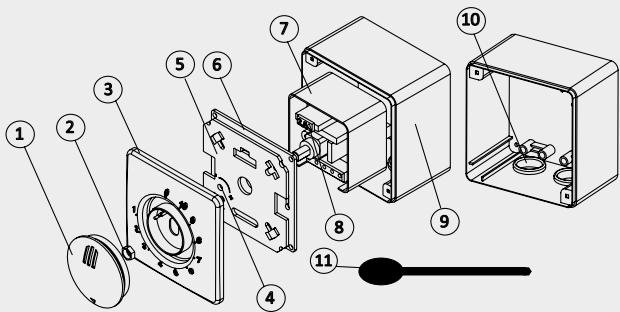
Articles

Article	Item
RS-V 2,5A	Speed controller, internal mounting, full-load amperage 2,5 A
RS-N 2,5A	Speed controller, wall mounting, full-load amperage 2,5 A

Overall dimensions

Model	A
RS-V 2,5A	55
RS-N 2,5A	60

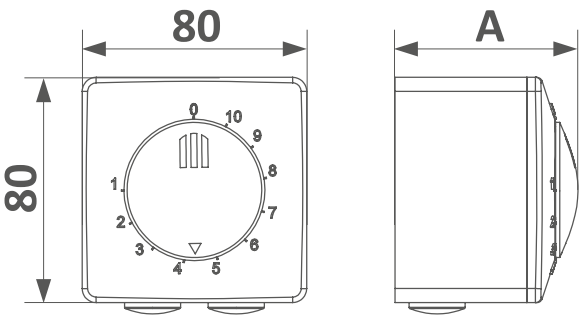
Speed controller assembly



- | | |
|------------------------------------|---------------------------------|
| 1. Knob control | 7. Speed controller |
| 2. Six-sided nut | 8. Fuse block |
| 3. Front cover | 9. Mounting case |
| 4. Control port of preset resistor | 10. Cable inlet |
| 5. Aluminum insert | 11. Regulating flat screwdriver |
| 6. Mounting plate | |

Technical characteristics

Power voltage:	220-240V / 50Hz
Motor operation voltage:	220-240V / 50Hz
Minimum current:	0,25A
Maximum current:	2,5A
Fuses:	2,5A
Input contact:	screw terminal 0.5 ... 0.75 mm ²
Maximum ambient temperature:	+40 °C
Protection class:	IP44



Constructional features

- Controllers are rigged with:
- a cutout fuse to 2.5A (+ spare fuse included).
 - RFI filter. It is possible to set the fan to minimal rotation speed by means of pot resistor.
 - Function of turning on/off is carried out by means of knob control.



Diffusors and anemostats

The diffuser is a device for air-deflection, a part of ventilation system and designed for the distribution of air masses, in which the extension (delay) of flow is carried out and also pressure increases. This system contributes to a better distribution of the air flow in the room.

Anemostat features a strong distortion of the airflow, as well as the possibility of clear opening regulating. As a rule, diffusers are used in supply and exhaust ventilation systems.



Ventilation grills

In this catalog company AkvaVent offers you a wide range of products for ventilation systems, air conditioning, air heating, decoration of supply and exhaust ventilation of residential, public and industrial buildings. All products are made only from high quality plastic. You can easily choose the desired product, and be sure that it will be in use for a long time and maintain its original look.

Metal grills

Metal ventilation grills, considered by many experts to be the most durable. Possess high strength, as well as other advantages:

- are not subject to corrosion ;
- do not lose brightness over its operational life;
- are not afraid of mechanical damage;
- characterized by fire safety, resistance to fire;
- this kind of products are not afraid of sudden changes in temperature.



Door grills

Door, or as they are called, transfer grills, are used for pressure equalization and redistribution of air between isolated premises. This is one of the most important elements of any system of ventilation and air-conditioning. Of course, in the process of air flow exchange, grill helps to increase the efficiency of air cleaning from all sorts of contaminants.



Supply valves

In ventilation systems, preferably with positive draft, supply valve is intended for the inflow of outside air into the room. The device is represented a tube with heat and noise insulation and filter elements. Outside, it is closed by grill, inside by shutter with the knob control of air flow.

Ceiling grills

Ceiling grills come as a part of the ventilation and often mounted in the ceiling in various areas. Ventilation grills are installed in false ceiling systems as well as ceiling tiles. False ceilings of various types often block air ducts. For effective ventilation operation in the ceiling surface an aperture is required, through which the air will get into the space between the ceiling and the closing.



Expanding of grill size range

In connection with the expansion of grill size range of series DK, APVP, KFR, RPKF, we added the line with products with round mounting flange diameter of 150 mm. for connection with air vents of the corresponding diameter. Products are made of high quality plastic, which ensures high performance throughout the operation life.

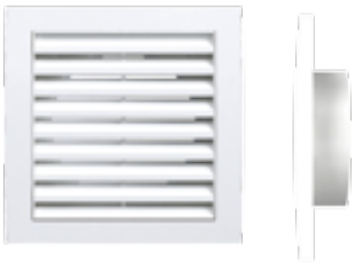


Articles
15DK
15APVP
2121K15FR
15RPKF

Dismountable ventilation grill with flange RRF



Grills of this series can be mounted independently, with screws, and with air vents of corresponding diameter by means of connecting flange. It can be mounted directly to the PROFIT series fans of corresponding diameter. The products are made of high high performance throughout the operation life.



Articles
1515RR10F
1515RR12,5F
2020RR15F

Adjustable dismountable ventilation grill with flange RRPF

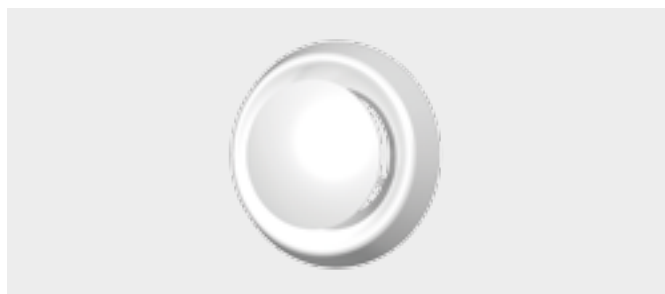


Grills of this series can be mounted independently, with screws, and with air vents of corresponding diameter by means of connecting flange. It can be mounted directly to the PROFIT series fans of corresponding diameter. The products are made of high quality plastic, which ensures high performance throughout the operation life. The movable part of the design is intended to regulate the air flow. Adjustment is carried out using a check box.



Articles
1515RRP10F
1515RRP12,5F
2020RRP15F

APVP



Supply and exhaust regulated anemostat with flange

- For ventilation systems, air conditioning systems and air heating systems.
- Equipped with a mounting flange for easy connection to round ducts.
- For installation in false ceilings or walls.
- There is a continuous adjustment of air flow due to the rotation of valve central part.
- Made of high quality plastic.

Overall dimensions

Article	R	D	d	C	E	S
10APVP	100	150	85	19	53	4034
12,5APVP	125	185	110	24	49	5044
15APVP	150	220	145	24	51	-
16APVP	160	220	145	24	51	6252
20APVP	200	260	185	24	47	7454

Mounted by



Screws

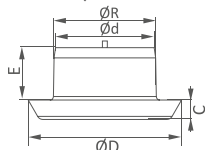


Glue



Locking ring

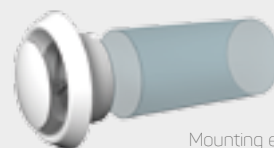
S - Max. open area, mm²



Mounting example



Mounting example of **APVP** anemostat with **VA** air vent by means of 90-100 clamp



Mounting example of **APVP** anemostat with **VA** air vent

APVPI



Supply and exhaust regulated anemostat without flange

- For ventilation systems, air conditioning systems and air heating systems.
- Easy mounting by means of spacer tabs.
- For installation in false ceilings or walls.
- There is a continuous adjustment of air flow due to the rotation of valve central part.
- Made of high quality plastic.

Overall dimensions

Article	D	d	C	S
10APVP1	150	85	19	4034
12,5APVP1	185	110	24	5044
16APVP1	220	145	24	6252
20APVP1	260	185	24	7454

Mounted by



Screws

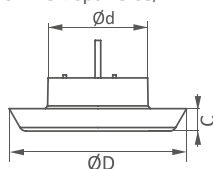


Glue



Locking ring

S - Max. open area, mm²



Mounting example



Mounting example of **APVPI** anemostat with **VA** air vent by means of clamp and F flange

APP




Supply and exhaust regulated anemostat with flange

- For ventilation systems, air conditioning systems and air heating systems.
- Special aerodynamic shape of valve guaranties equal air distribution.
- Equipped with a mounting flange for easy connection to round ducts.
- For installation in false ceilings or walls.
- There is a continuous adjustment of air flow due to the rotation of valve central part.
- Made of high quality plastic.


Overall dimensions			
Article	D	d	S
10APP	165	100	7850
12,5APP	197	125	9812
16APP	234	160	12560
20APP	275	200	15700

S - Max. open area, mm2


Mounted by



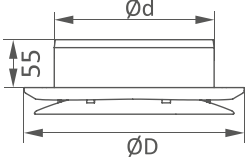
Screws



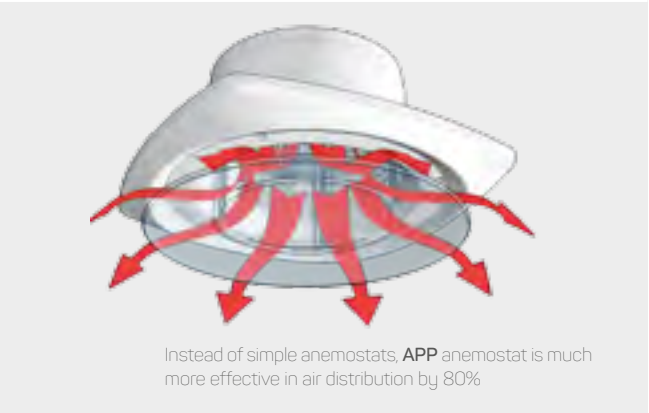
Glue



Locking ring



Mounting example



AVP




Adjustable exhaust anemostat with flange

- For ventilation systems, air conditioning systems and air heating systems.
- Special aerodynamic shape of valve guaranties equal air distribution.
- Equipped with a mounting flange for easy connection to round ducts.
- For installation in false ceilings or walls.
- There is a continuous adjustment of air flow due to the rotation of valve central part.
- Made of high quality plastic.


Overall dimensions			
Article	D	d	S
10AVP	165	100	7850
12,5AVP	197	125	9812
16AVP	234	160	12560
20AVP	275	200	15700

S - Max. open area, mm2


Mounted by



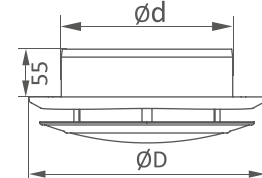
Screws



Glue



Locking ring



Mounting example





DK



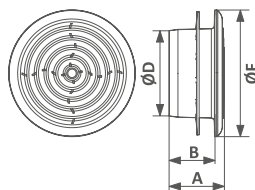
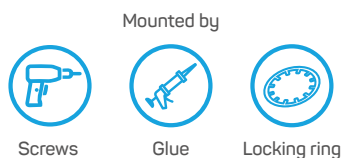
Supply and exhaust diffuser with locking ring and flange

- For ventilation systems, air conditioning systems and air heating systems.
- Special aerodynamic shape of valve guarantees equal air distribution.
- Rigged by a mosquito net.
- Easy mounting by means of mounting flange with locking ring.
- For installation in false ceilings or walls.
- Made of high quality plastic.

Overall dimensions

Article	D	F	A	B	K
10DK	100	143	63	52	0,7
12,5DK	125	164	64	52	0,72
15DK	150	200	65	52	0,75
16DK	160	200	65	52	0,75
20DK	200	244	66	52	0,78

K - Free area ratio, mm²

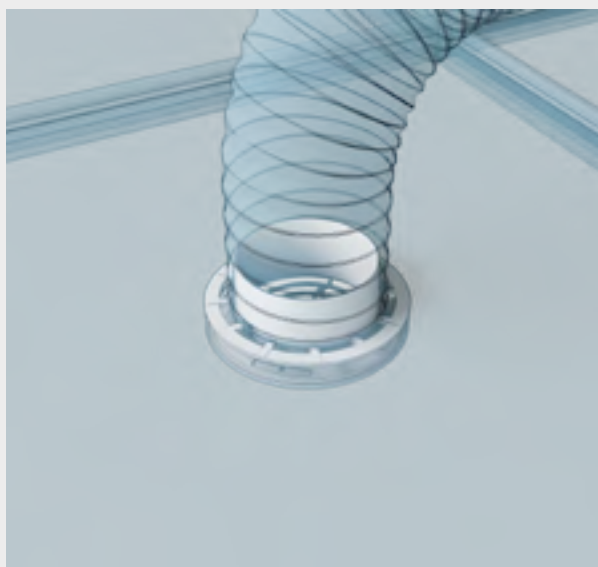


Original construction

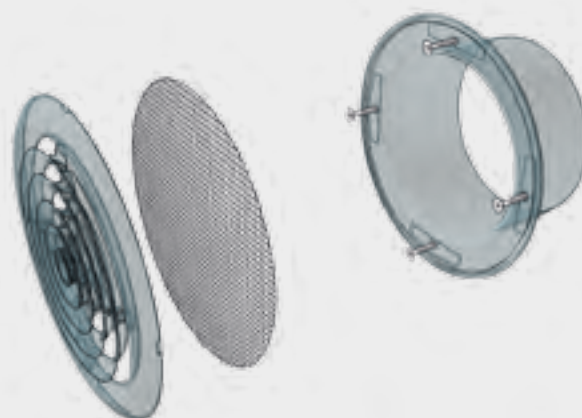
The original design of the diffuser will help securely fix flexible ducts **AF** by means of locking ring (included). Also locking ring allows to fix the product on Armstrong ceiling.



Mounting example

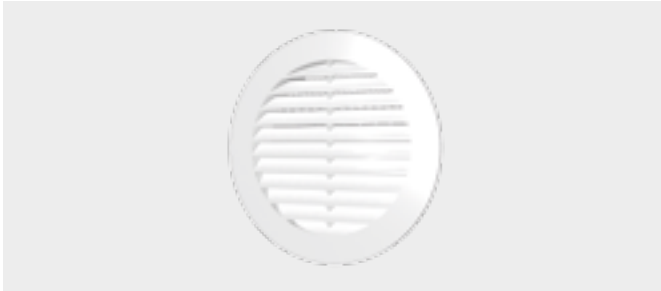


Mounting example of **DK diffuser** on Armstrong ceiling by means of locking ring (included) with flexible AF air vents without additional fasteners



For diffuser installation it is necessary to remove the front panel of the grill, and then fasten flange by screws at four points. Click the panel with net on the set flange.

RK



Round ventilation grill with flange

- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- For wall or ceiling mounting.
- Equipped with a mounting flange for easy connection to round ducts.
- Has inclined blinds.
- Made of high quality plastic.

Overall dimensions

Article	d	D	E	C	K
10RK	100	130	19,6	1,4	0,46
12,5RK	125	150	19,6	1,4	0,52
16RK	150	200	20	2	0,42
20RK	160	200	19,6	1,4	0,42

K - Free area ratio, mm2

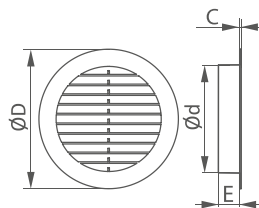
Mounted by



Screws



Glue



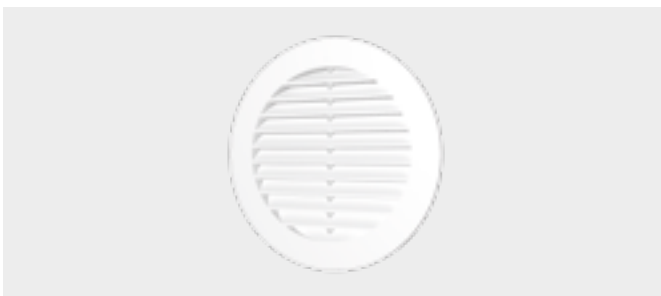
Original construction



Mounting example of RK grill with round VP air vent



RKS



Round ventilation grill with plastic net and flange

- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- For wall or ceiling mounting.
- Equipped with a mounting flange for easy connection to round ducts.
- Rigged by a mosquito net.
- Has inclined blinds.
- Made of high quality plastic.

Overall dimensions

Article	d	D	E	C	K
10RKS	100	130	19,6	1,4	0,46
12,5RKS	125	150	19,6	1,4	0,52
16RKS	160	200	19,6	1,4	0,42

K - Free area ratio, mm2

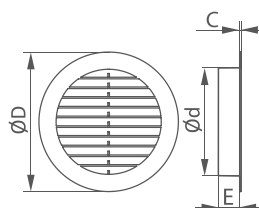
Mounted by



Screws



Glue



Original construction



The original design of mosquito net can improve its functionality, as well as it is much more wear-resistant than simple counterparts

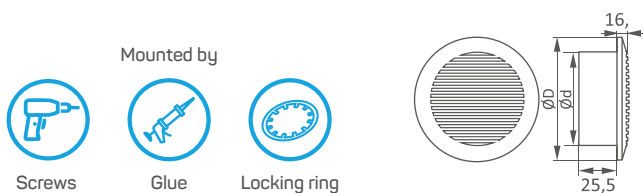
RKF



Overall dimensions

Article	D	d	K
10RKF	145	100	0,42
12RKF	165	120	0,47

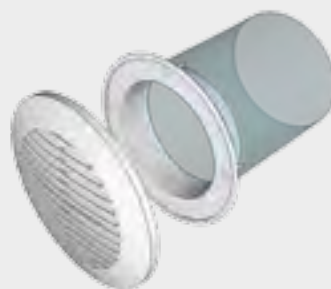
K - Free area ratio, mm²



Dismountable round ventilation grill with flange

- For ventilation systems, air conditioning systems and air heating systems.
- For wall or ceiling mounting.
- Equipped with a mounting flange for easy connection to round ducts.
- Multicomponent construction.
- Has direct blinds for increasing of conveyance capacity.
- Made of high quality plastic.

Mounting example



Mounting example of RKF grill with round VP duct

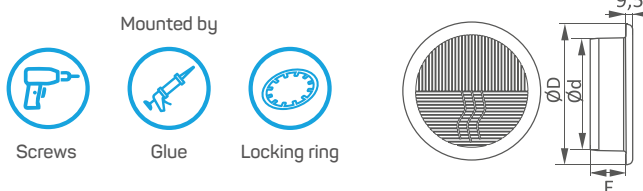
RPKF



Overall dimensions

Article	d	D	E	K
10RPKF	100	143	26,5	0,7
12,5RPKF	125	164	52,5	0,75
15RPKF	150	164	52,5	0,75
16RPKF	160	200	52,5	0,8

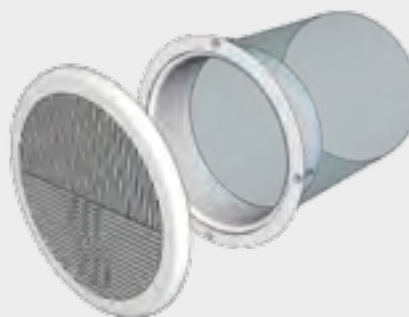
K - Free area ratio, mm²



Dismountable round ventilation grill with flange

- For ventilation systems, air conditioning systems and air heating systems.
- For wall or ceiling mounting.
- Equipped with a mounting flange for easy connection to round ducts.
- Multicomponent construction.
- Has direct blinds for increasing of conveyance capacity.
- Made of high quality plastic.

Mounting example



Mounting example of RPKF grill with round VP duct



C



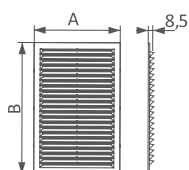
Round ventilation grill with flange

- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- For wall or ceiling mounting.
- Equipped with a mounting flange for easy connection to round ducts.
- Has inclined blinds.
- Made of high quality plastic.

Overall dimensions

Article	A	B	K
1122C	217	113	0,47
1313C	138	138	0,46
1708C	171	81	0,47
1724C	170	240	0,47
1919C	194	194	0,47
2323C	234	234	0,46

K - Free area ratio, mm2



Mounted by



Screws (except 1122C and 1708C)



Glue

Colour layout

Beige



All sizes

Brown



All sizes



R



Removable round ventilation grill with flange

- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- For wall or ceiling mounting.
- Multi component construction.
- Rigged by a mosquito net.
- Has inclined blinds.
- Made of high quality plastic.

Overall dimensions

Article	A	B	X	Y	K
1515R	150	150	126	126	0,46
1825R	183	253	159	228	0,47
2121R	208	208	183	183	0,46
2525R	249	249	224	224	0,47

K - Free area ratio, mm2

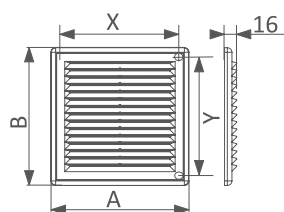
Mounted by



Screws



Glue



Colour layout

Beige



All sizes

Brown



All sizes

Due to the removable front panel dismountable grill P allows to make audit inspection and cleaning of the air vent without dismantling of the product



RC



Cylindrical ventilation grill with net

- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- For wall or ceiling mounting.
- Single element construction.
- Rigged by a mosquito net.
- Has inclined blinds.
- Made of high quality plastic.

Overall dimensions

Article	A	B	X	Y	C	K
1515RC	150	150	106	162	11	0,8
1520RC	150	200	106	162	11	0,8
1825RC	180	250	141	213	14	0,8
2020RC	200	200	161	163	16	0,8
2525RC	250	250	211	213	16	0,8
2030RC	200	300	161	263	16	0,8
3434RC	340	340	300	300	17	0,58
4444RC	440	440	400	400	19	0,61

K - Free area ratio, mm2

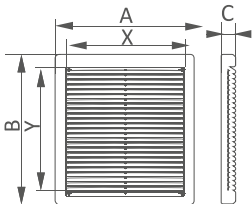
Mounted by



Screws



Glue



Colour layout

Ivory



All sizes

Mounting example



Mounting example of RC grill by means of screws



G



Ventilation grill with net

- For supply and exhaust ventilation systems.
- For wall or ceiling mounting.
- Single element construction.
- Has direct blinds for increasing of conveyance capacity.
- Made of high quality plastic.

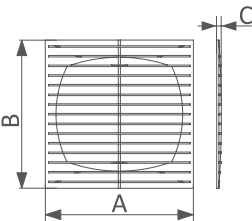
Overall dimensions

Article	A	B	C	K
1313G	138	138	11	0,8
1724G	170	240	13	0,8
1919G	194	194	12	0,8

K - Free area ratio, mm2



Mounted by Glue





P



Overall dimensions

Article	A	B	C	X	Y	K
1515P	150	150	17	126	126	0,8
1825P	183	253	20	159	228	0,8
2121P	208	208	20	183	183	0,8

K - Free area ratio, mm2

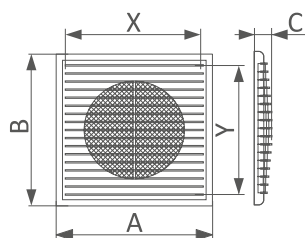
Mounted by



Screws



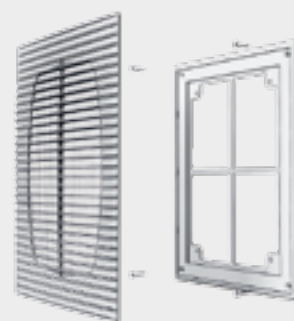
Glue



Dismountable ventilation grill with net

- For supply and exhaust ventilation systems.
- For wall or ceiling mounting.
- Multicomponent construction.
- Has direct blinds for increasing of conveyance capacity.
- Rigged by mosquito net.
- Made of high quality plastic.

Mounting example



Mounting example of P grill by means of screws



PF



Overall dimensions

Article	A	B	X	Y	C	E	d	K
1515P10F	150	150	126	126	17	28,5	100	0,73
1825P12F	183	253	159	228	20	34	125	0,75
2121P12F	208	208	183	183	20	34	125	0,75

K - Free area ratio, mm2

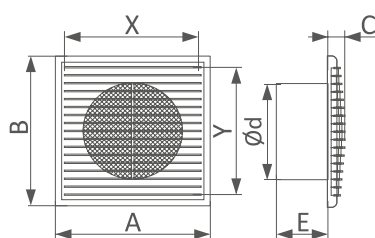
Mounted by



Screws



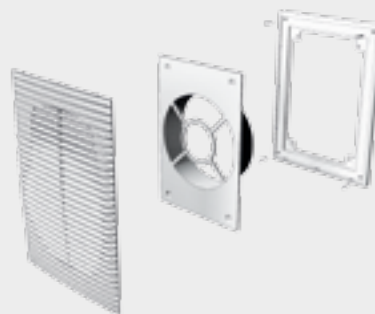
Glue



Dismountable ventilation grill with flange

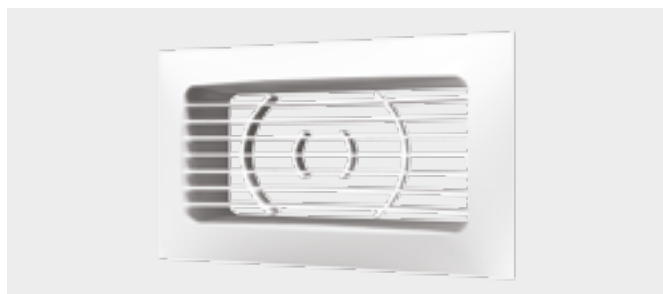
- For supply and exhaust ventilation systems.
- For wall or ceiling mounting.
- Multicomponent construction.
- Has direct blinds for increasing of conveyance capacity.
- Equipped with a mounting flange for easy connection to round ducts.
- Rigged by mosquito net.
- Made of high quality plastic.

Original construction



Mounting example of PF grill by means of screws

RCF



Overall dimensions

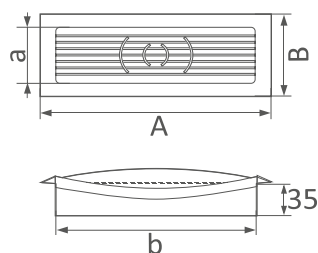
Article	A	a	B	b	K
511RCF	140	55	85	110	0,8
612RCF	150	60	90	120	0,8
620RCF	234	60	90	204	0,8

K - Free area ratio, mm²

Mounted by



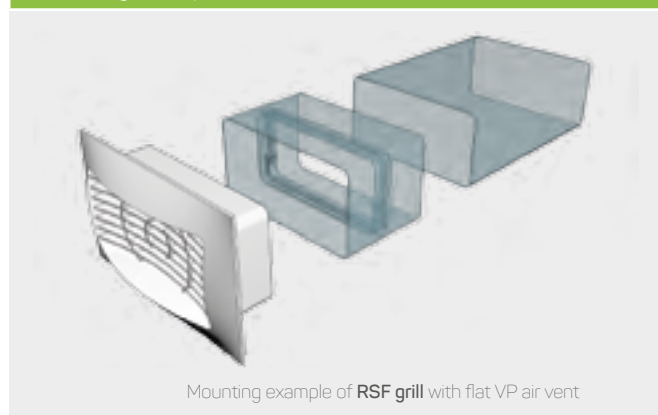
Screws



Ventilation grill with flange

- For supply and exhaust ventilation systems.
- For wall or ceiling mounting.
- Single element construction.
- Has direct blinds for increasing of conveyance capacity.
- Equipped with a mounting flange for easy connection to flat ducts.
- Connected to flat duct throughout the connector of corresponding diameter.
- Made of high quality plastic.

Mounting example



RCF



Overall dimensions

Article	A	d	X	K
1515RC10F	150	100	113	0,8
1717RC12,5F	170	125	132	0,8
2020RC16F	200	160	163	0,8

K - Free area ratio, mm²

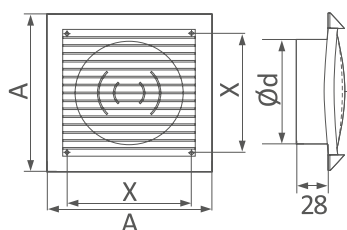
Mounted by



Screws



Glue



Ventilation grill with flange

- For supply and exhaust ventilation systems.
- For wall or ceiling mounting.
- Single element construction.
- Has direct blinds for increasing of conveyance capacity.
- Equipped with a mounting flange for easy connection to round ducts.
- Made of high quality plastic.

Original construction



PP



Dismountable ventilation grill

- For supply and exhaust ventilation systems.
- For wall or ceiling mounting.
- Multicomponent construction.
- Has direct blinds for increasing of conveyance capacity.
- Made of high quality plastic.

Overall dimensions

Article	AxB	XxY	C	K
1515RR	150x150	115x116	12	0,6
1825RR	180x250	132x206	17	0,6
2020RR	200x200	152x156	14	0,6
3020RR	300x200	256x152	20	0,66
2030RR	200x300	152x256	20	0,66
2525RR	250x250	202x206	17	0,68
3535RR	350x350	302x306	22	0,78
4040RR	400x400	375x375	25	0,6

K - Free area ratio, mm²

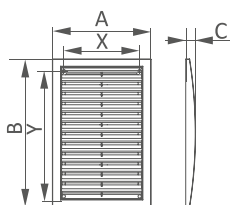
Mounted by



Screws



Glue



Colour layout

Ivory



All sizes

Removable front panel



Due to the removable front panel dismountable grill RR allows to make audit inspection and cleaning of the air vent without dismounting of the product

RRF



Dismountable ventilation grill with flange

- For supply and exhaust ventilation systems.
- For wall or ceiling mounting.
- Multicomponent construction.
- Has direct blinds for increasing of conveyance capacity.
- Rigged by mosquito net.
- Made of high quality plastic.

Overall dimensions

Article	A	X	C	d	K
1515RR10F	150	116	32	100	0,57
1515RR12,5F	150	116	32	125	0,57
2020RR15F	200	152	34	150	0,57

K - Free area ratio, mm²

Mounted by



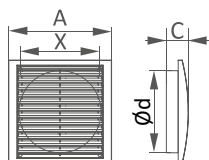
Screws



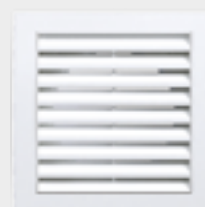
Glue



Locking ring



Original construction



The original design allows to mount it in a duct with a locking ring and screws into the mounting holes

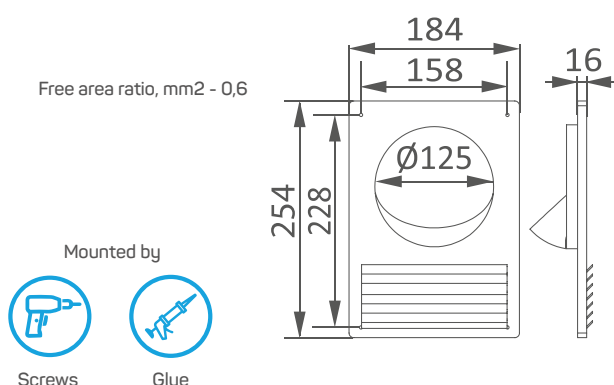
RU



Ventilation grill with flange

- For supply and exhaust ventilation systems.
- For wall or ceiling mounting.
- Single element construction.
- Has direct blinds for increasing of conveyance capacity.
- Equipped with a mounting flange for easy connection to round ducts.
- Made of high quality plastic.

Overall dimensions



Mounting example



RRPF



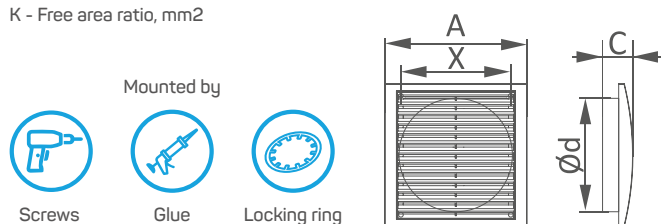
Dismountable ventilation grill with flange

- For supply and exhaust ventilation systems, air conditioning systems and air heating systems.
- Wall or ceiling mounting.
- Has inclined blinds.
- Equipped with a movable part to control the air flow.
- Adjusting of clear opening is carried out using the checkbox.
- Made of high quality plastic.

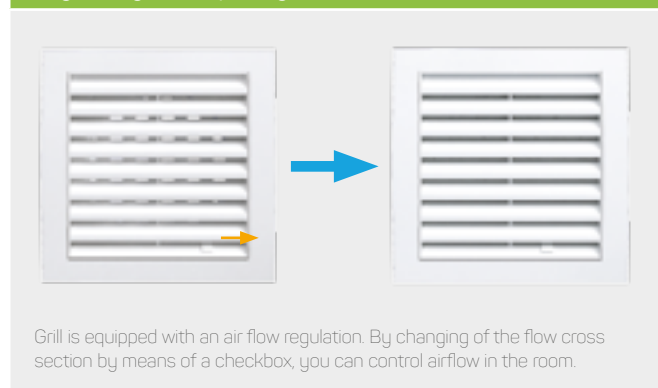
Overall dimensions

Article	A	X	C	d	K
1515RRP10F	150	116	32	100	0-0,23
1515RRP12,5F	150	116	32	125	0-0,27
2020RRP15F	200	152	34	150	0-0,23

K - Free area ratio, mm²



Regulating clear opening



KFR

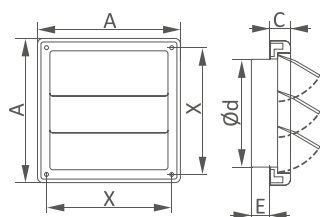


Ventilation grill with adjustable clear opening, with flange

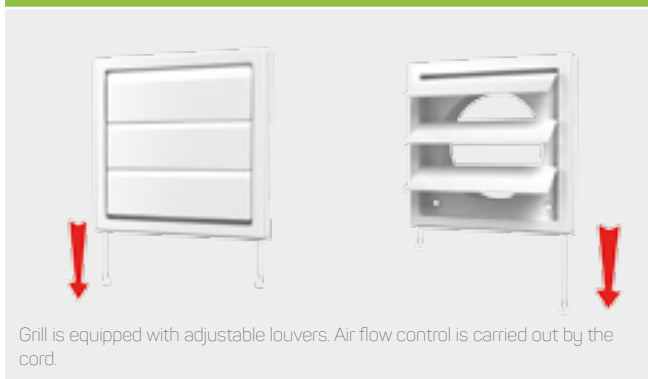
- For supply and exhaust ventilation systems, air conditioning systems and air heating systems.
- Has inclined blinds.
- Equipped with a movable part to control the air flow.
- Adjusting of clear opening is carried out by means of the checkbox.
- Made of high quality plastic.

Overall dimensions

Article	A	X	d	E	C
2121K12.5FR	212	150	125	25	20
2121K15FR	212	150	150	25	20
2121K16FR	212	150	160	25	20



Original construction



RRP



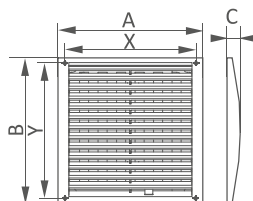
Ventilation grill with adjustable clear opening, dismountable

- For supply and exhaust ventilation systems, air conditioning systems and air heating systems.
- Wall or ceiling mounting.
- Has inclined blinds.
- Equipped with a movable part to control the air flow.
- Adjusting of clear opening is carried out by means of the checkbox.
- Made of high quality plastic.

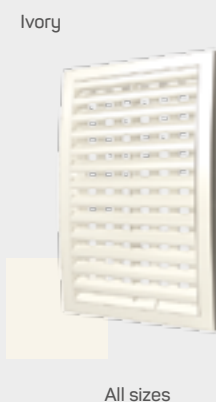
Overall dimensions

Article	A	B	X	Y	C	K
1515RRP	150	150	115	116	12	0-0,26
1825RRP	180	250	132	206	17	0-0,30
2020RRP	200	200	152	156	14	0-0,26
2030RRP	250	250	202	206	17	0-0,30
2525RRP	250	250	202	206	17	0-0,30
3535RRP	350	350	302	306	22	0-0,35

K - Free area ratio, mm2



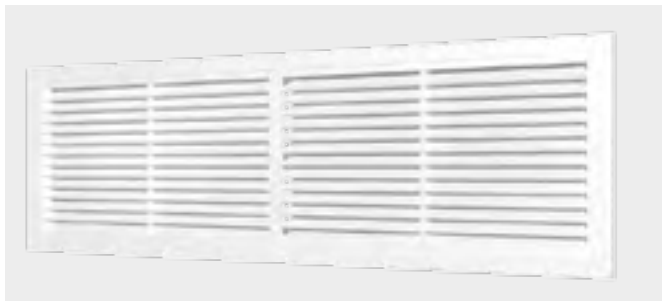
Colour layout



Dismountable construction



RP



Dismountable ventilation transfer grill

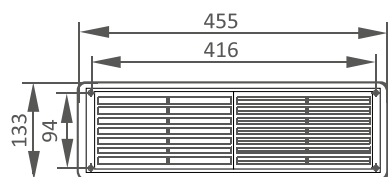
- For installation in door of bathrooms, toilets, kitchens, etc.
- Promotes proper circulation of air inside the premises.
- Can be installed in the window sills for the proper distribution of hot air from a central heating radiator.
- Has inclined blinds.
- Made of high quality plastic.

Overall dimensions

Mounted by



Screws



Free area ratio, mm² - 0,47

Colour layout

Beige



Brown



All sizes

Mounting example



Door mounting of RP grill

O5DP



Round transfer grill (set of 4 pieces)

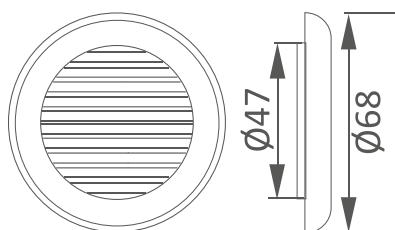
- Supply and exhaust door grill.
- For installation in the door of bathrooms, toilets, kitchens, etc.
- Promotes proper circulation of air inside the premises.
- Consists of four parts.
- Grill parts are connected directly to each other in the slots and fixed by screws.
- Has direct blinds to increase conveyance capacity.
- Made of polystyrene.

Overall dimensions

Mounted by



Screws



Free area ratio, mm² - 0,46

Mounting example



Door mounting of DP grill

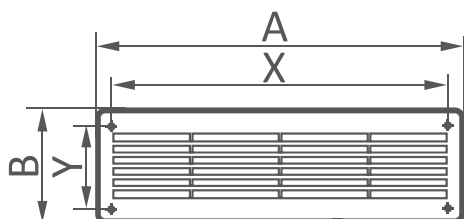
DP



Overall dimensions

Article	A	B	X	Y	K
4409DP	450	91	420	73	0,47
4513DP	450	131	432	117	0,47

K - Free area ratio, mm2



Mounted by



Round transfer grill (set of 2 pieces)

- For installation in door of bathrooms, toilets, kitchens, etc.
- Promotes proper circulation of air inside the premises.
- Can be installed in the window sills for the proper distribution of hot air from a central heating radiator.
- Has inclined blinds.
- Made of high quality plastic.

Colour layout

Beige



Brown



All sizes

Mounting example



Door mounting of 4409DP. It provides unhampered airflow circulation through premises

Mounting example



4513DP grill mounting in window sill helps to avoid the problems associated with condensation, high humidity in the room, which appear when temperature drops. Installation is carried out so that the blinds were directed toward the glass, thus ensuring a constant flow of warm air to the window.



MC

Zn



Zinc-plated ventilation grill with net

- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- Used in ventilation, air conditioning and heating systems.
- Has inclined blinds.
- Wall or ceiling mounting.
- Made of zinc-plated steel.
- Equipped with mosquito net.

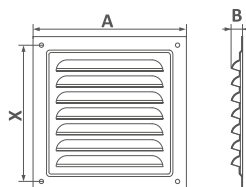
Overall dimensions

Article	A	B	X
1212MC	125	9	111
1515MC	150	8	136
2020MC	200	8	186
2525MC	250	10	234
3030MC	300	13	284

Mounted by



Screws



Mounting example



Mounting example of MC grill by means of screws



ME



Grill with polymeric enamel coating, with net

- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- Used in ventilation, air conditioning and heating systems.
- Has inclined blinds.
- Wall or ceiling mounting.
- Made of steel with polymeric enamel coating.
- Equipped with mosquito net.

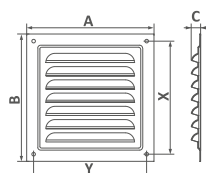
Overall dimensions

Article	A	B	X	Y	X
1212ME	125	125	111	111	9
1515ME	150	150	136	136	8
1530ME	150	300	136	284	8
2020ME	200	200	186	186	8
2525ME	250	250	234	234	10
3030ME	300	300	284	284	13

Mounted by



Screws



Colour layout

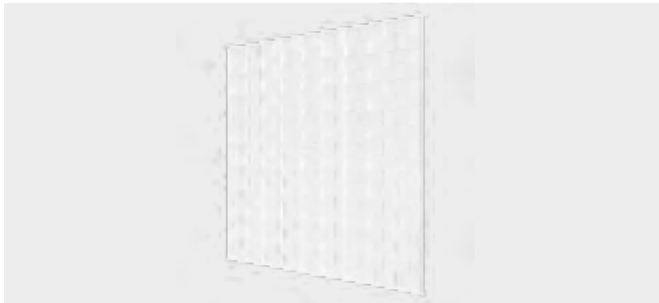
Ivory

Brown



All sizes

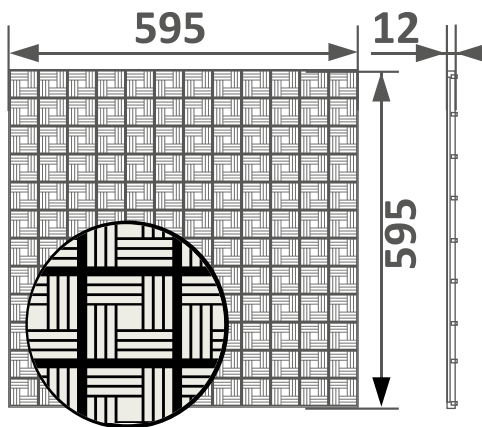
PDP Fusion



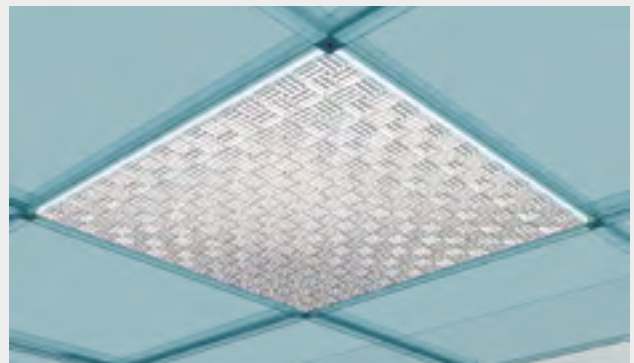
Ceiling ventilation grill

- The supply and exhaust ventilation systems, air conditioning systems and air heating systems.
- Ceiling mounting.
- Single-element construction.
- Has direct blinds to increase conveyance capacity.
- For installation in Armstrong false ceilings.
- Made of high quality plastic.

Overall dimensions



Mounting example



Mounting of **PDP Fusion** in Armstrong ceiling

Mounting example



PR



Decorative screen for heating radiators, PVC

- For ventilation systems, air conditioning systems and air heating systems.
- Single-element construction.
- Has inclined blinds.
- Made of high-quality plastic.

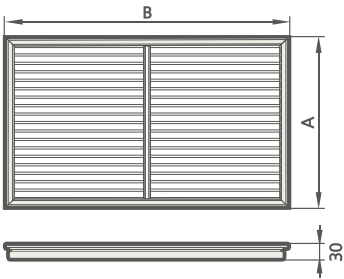
Overall dimensions

Article	A	B
P6060R	600	600
P6090R	600	900
P60120R	600	1200
P60150R	600	1500

Mounted by



Screws

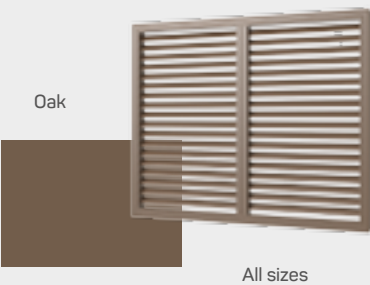
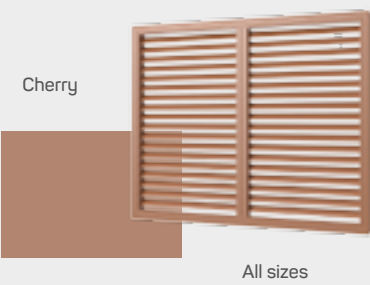


Mounting example



Mounting example of PR decorative screen

Mounting example



KP



Supply valve

- In ventilation systems, preferably with positive draft, supply valve is intended for the inflow of outside air into the room.
- The device is represented by a tube with heat and noise insulation and filter elements.
- Outside, it is closed by grill, inside by shutter with the knob control of air flow.

Articles

Article	Item
10KP	Supply valve D100
10KP-02	Supply valve D100
10KP-04	Supply valve D100
10KP-05	Supply valve D100
10KP1	Supply valve D100
10KP1-02	Supply valve D100
10KP1-04	Supply valve D100
10KP1-05	Supply valve D100
12,5KP	Supply valve D125
12,5KP-02	Supply valve D125
12,5KP-04	Supply valve D125
12,5KP-05	Supply valve D125
12,5KP1	Supply valve D125
12,5KP1-02	Supply valve D125
12,5KP1-04	Supply valve D125
12,5KP1-05	Supply valve D125
16KP	Supply valve D160
16KP-02	Supply valve D160
16KP-04	Supply valve D160
16KP-05	Supply valve D160
16KP1	Supply valve D160
16KP1-02	Supply valve D160
16KP1-04	Supply valve D160
16KP1-05	Supply valve D160

Mounting example



Wall mounting of **supply valve**

Overall dimensions

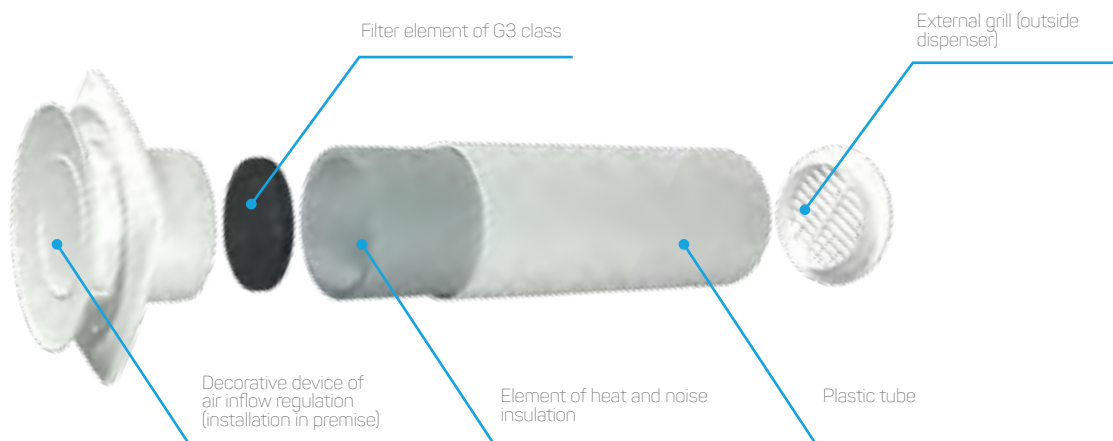
Article	d	D	D1	B
10KP	100	165	130	-
10KP-02			-	150
10KP-04			133	-
10KP-05			125	-
12,5KP	125	197	150	-
12,5KP-02			-	212
12,5KP-04			162	-
12,5KP-05			150	-
16KP	165	234	200	-
16KP-02			-	212
16KP-04			192	-
16KP-05			185	-

Size range modification

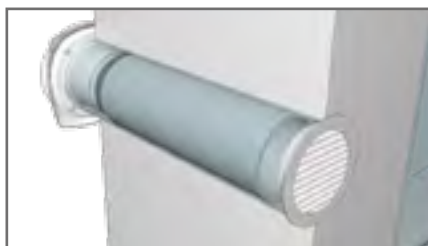
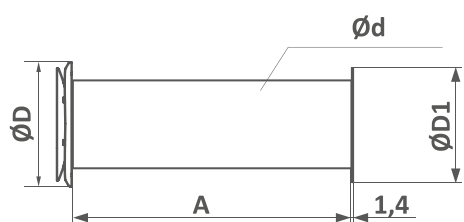
Article	A
..KP.	500
..KP1.	1000

KP

Supply valve

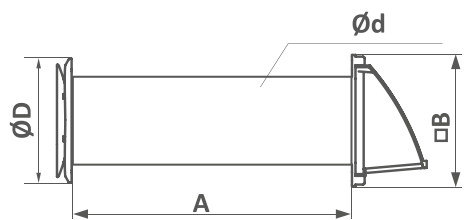


Model modifications



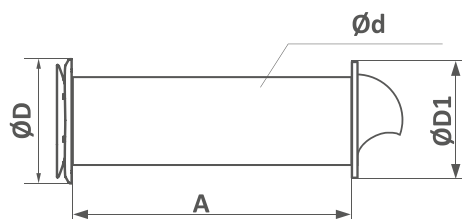
KP - external grill (ASA-plastic)+the device of air inflow regulation

ASA-plastic
ASA plastic



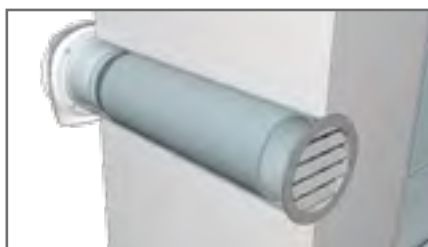
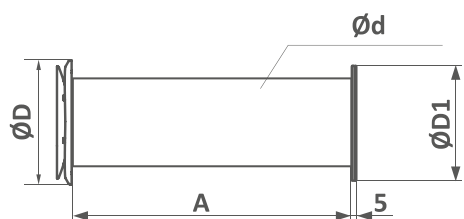
KP-02 - external grill (ASA-plastic)+ the device of air inflow regulation

ASA-plastic
ASA plastic



KP-04 - external grill (stainless steel)+ the device of air inflow regulation

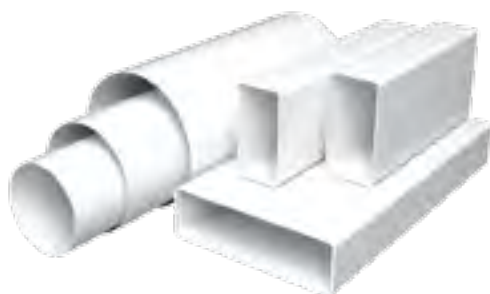
Stainless steel Mosquito net
stainless STEEL **INSECT screen**



KP-05 - external grill (aluminum)+ the device of air inflow regulation

Aluminium Mosquito net
AL **INSECT screen**

PVC air ducts in individual package and plastic molded elements



Plastic air duct is a new product which has already become very requested. It's one of the ventilation system parts which provides delivery of fresh air to create good environment in a room.

We offer 2 types of air ducts.

Rectangular air ducts 110x55, 120x60, 55x220, 204x60	Round air ducts Ø100, Ø125, Ø150, Ø160
For air extraction in kitchens and ventilation in production areas and households. Thanks to their form rectangular ducts are easy to install. They are often used in hard-to-reach areas and under suspended ceiling due to easy installation.	Characterized by a smaller resistance to air flow and low noise level. Although they don't look good in a room unlike rectangular air ducts.
 55x110  60x120  55x220  60x204	 Ø 100  Ø 125  Ø 150  Ø 160

What kind of plastic air duct to choose? It depends on your needs. If the purpose is to provide low noise and high efficiency, the choice is round air duct, rectangular air duct is preferable when esthetics is required.



Plastic air ducts are popular due to several advantages:

Corrosion resistance. Channeled metal air duct which is commonly used for exhaust systems gets rusty quickly, plastic air ducts are more durable.

Smooth inside surface. Plastic items don't have any unevenness of the inner surface. Smooth surface lowers air flow resistance which makes ventilation more efficient. This kind of air duct is more silent. It doesn't attract dust after special treatment, which as a result saves a lot of money for maintenance.



Low cost. Plastic items cost less than items made of other materials which makes them more appealing for purchasers.

Simple mounting. Size and length of plastic air ducts can be adjusted before mounting.

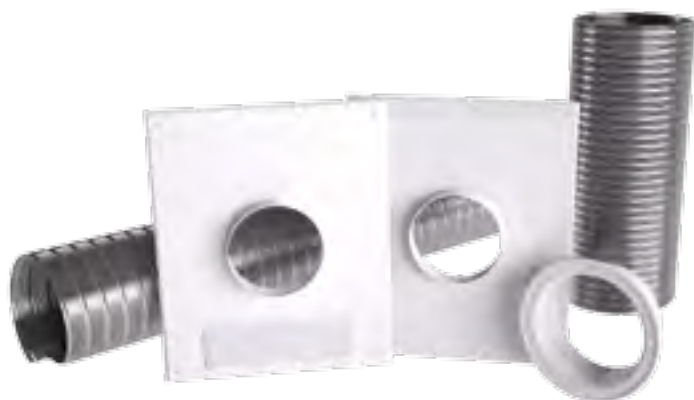
Safety. Plastic air ducts are ecologically harmless, do not contain hazardous substances.

Easy transportation. Air ducts are easy to transport due to their light weight and durability.

Multipurposeness. They can be used in temperature range from -40 to +60 degrees Celcius. Many forms, sizes and characteristics including rectangular, flexible, hard ducts extend the scope of usage.

Long operating life of 100 years

Flexible air ducts and metal molded elements



Semi-flexible and flexible air ducts are an important element of exhaust in external and internal controlled ventilation systems. Ducts are made of solid aluminum foil (BA series) or multi-layer metalcoated polymer film (AF series) which are corrosion and temperature resistant.

Molded elements made of stainless steel and sheet steel with polymer enamel are resistant to high temperatures and corrosion environment. Channeled aluminum ducts are used for ventilation. Since 1990 they are common for households, agriculture, industrial structures.

Key to its success is its universal qualities which are specific for constructions with aluminum air ducts.

Ability to bend in any direction which allows to assemble ventilation system to connector/coupling without using expensive laterals.

Durability that allows to fix the duct on surface without any bearing frame that holds the pipeline. Ducts are secured with divisible hose clamp with a self-tapping screw.

Minimal size in folded condition which allows to store all the ducts necessary for a multi-branch ventilation system in a small room. After stretching even the smallest aluminum duct turns into a long piece of pipeline.

High corrosion resistance: there is no corrosion inside the pipeline due to aluminum ducts

Easy installation due to simple coupling and small weight of aluminum

Ducts Inertness of the main construction material. Aluminum is not sensitive to any chemical substances including heated environments.

Fire resistance of an aluminum channelled air duct prevents from burning and setting surrounding items to fire. Besides when heated aluminum doesn't emit smoulder. Good appearance of channelled aluminum. Exterior of such constructions looks more attractive than steel or plastic ducts.

Air-distributing system Ø150 and 522.



Articles	
15VP	15FLR
15KKP	15F
15SKP	15LR
15SKPO	1516RDH



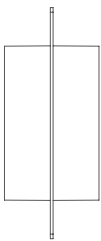
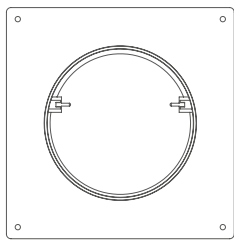
Articles	
522KGP	522SKP
522KVP	522SKPO
522SP12,5KP	511RP522P
522DKP	522SK12,5KP
522TPP	522SK12,5FP

Taking into account the wishes of our customers, Akvaventcompany is ready to present the new series of air distribution systems. Updates touched the expanding of size range: round ducts of new 150mm diameter and rectangular products of 55 * 220 size. Made of high quality plastic, which will provide high performance throughout the operation life.

Connectors of round ducts with back flow valve and cover plate SKNPO



Articles
10SKNPO
12,5SKNPO
16SKNPO



Multi-shaped element that unites the functions of the front plate, duct connector and back flow valve. Available in three sizes - 100, 125, 160 mm.

Condensate header KK



Condensate header used in vertical ventilation duct installation. Designed for the collection of excess moisture from the air ducts. Made of high quality plastic, which provides high performance throughout the operation life. Available in three sizes - 100, 125 and 160 mm.

Articles
10KK
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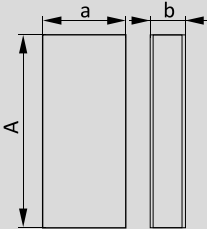

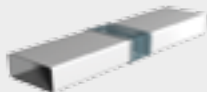



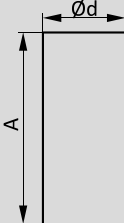
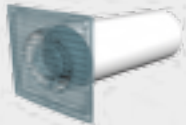

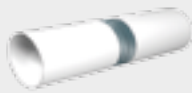
Condensate header used in vertical ventilation duct installation. Designed for the collection of excess moisture from the air ducts. Made of high quality plastic, which provides high performance throughout the operation life. Available in three sizes - 100, 125 and 160 mm.

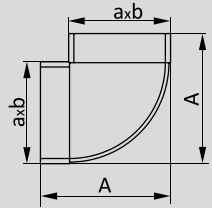


Articles
12,5SK

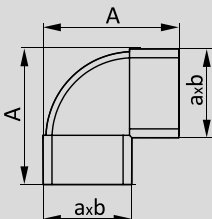
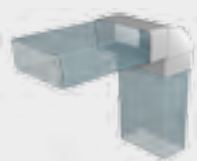

PVC air vents in individual packaging



VP Flat ducts		Article	A	a	b		
 <ul style="list-style-type: none"> For supply and exhaust ventilation systems. Connected by means of connecting elements of the corresponding section. PVC 		511VP	500	110	55	 <p>Mounting of VP with RSF grill by means of SKP connect</p>  <p>Connection of VP flat ducts by means of SKP connector</p>	
		511VP1	1000	110	55		
		511VP1,5	1500	110	55		
		511VP2	2000	110	55		
		522VP	500	220	55		
		522VP1	1000	220	55		
		522VP1,5	1500	220	55		
		522VP2	2000	220	55		
		612VP	500	120	60		
		612VP1	1000	120	60		
		612VP1,5	1500	120	60		
		612VP2	2000	120	60		
		620VP	500	204	60		
		620VP1	1000	204	60		
		620VP1,5	1500	204	60		
		620VP2	2000	204	60		

VP Round air vents		Article	A	d		
 <ul style="list-style-type: none"> For supply and exhaust ventilation systems. Connected by means of connecting elements of the corresponding section. PVC 		10VP	500	100	 <p>Mounting of VP with E fan</p>  <p>VP mounting with RK grill</p>  <p>Mounting of round VP ducts by means of SKP connector</p>	
		10VP1	1000	100		
		10VP1,5	1500	100		
		10VP2	2000	100		
		12,5VP	500	125		
		12,5VP1	1000	125		
		12,5VP1,5	1500	125		
		12,5VP2	2000	125		
		15VP	500	150		
		15VP1	1000	150		
		15VP1,5	1500	150		
		15VP2	2000	150		
		16VP	500	160		
		16VP1	1000	160		
		16VP1,5	1500	160		
		16VP2	2000	160		


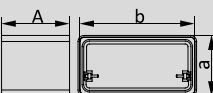


KGP Flat horizontal elbows 90 ° degrees	<ul style="list-style-type: none"> For horizontal duct connection of the corresponding section at an angle 90 °. Connected directly with ducts of the corresponding section. Plastic 	Article	A	a	b		 VP duct connection by means of KGP elbow
		511KGP	145	110	55		
		522KGP	219	220	55		
		612KGP	162	120	60		
		620KGP	246	204	60		


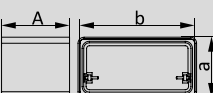



KVP Flat vertical elbows 90 ° degrees	<ul style="list-style-type: none"> For horizontal duct connection of the corresponding section at an angle 90 °. Connected directly with ducts of the corresponding section. Plastic 	Article	A	a	b		 VP duct connection by means of KVP elbow
		511KVP	8952	110	55		
		522KVP	92	220	55		
		612KVP	102	120	60		
		620KVP	102	204	60		

KRP Flat horizontal elbows	<ul style="list-style-type: none"> For duct connection of the corresponding section at an angle from 3 ° to 48 °. Depending on the angle, one side of the connector is cut. Connected directly with ducts of the corresponding section. Plastic 	Article	A	a	b		 KRP connection with VP ducts
		511KRP	106,2	110	55		
		612KRP	115,4	120	60		
		620KRP	199,4	204	60		


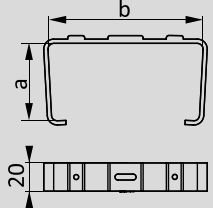

TPP Flat T-joints	<ul style="list-style-type: none"> For the organization of complex ventilation systems, branches. Connected directly with ducts of the corresponding section. Plastic 	Article	A	B	a	b		 VP duct connection by means of TPP
		511TPP	173	143	110	55		
		522TPP	294	258	220	55		
		612TPP	194	159	120	60		
		620TPP	278	243	204	60		

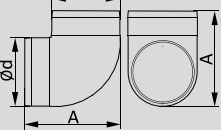


RPP Eccentric connectors of flat ducts	<ul style="list-style-type: none"> Used for duct connection of different sections Connected directly with ducts of the corresponding section. Plastic 	Article	A	B	axb		 VP duct connection by means of RPP
		511RPP	94	110x55	204x60		
		612RPP	62	120x60	204x60		
		511RPS22P	97	110x55	220x55		

SKP Connectors of rectangular ducts		Article	A	a	b		
	· Connection of flat ducts of one section.	511SKP	65	55	110		 VP duct connection by means of SKP
	· Connected directly with ducts of the corresponding section.	612SKP	70	60	120		
	· Plastic	522SKP	70	55	220		
		620SKP	70	60	204		

SKPO Connectors of flat ducts with back flow valve		Article	A	a	b		
	· Connection of flat ducts of one section. Rigged with back flow valve for protection against back draught.	511SKPO	65	55	110		 VP duct connection by means of SKPO  Back flow valve
	· Connected directly with ducts of the corresponding section.	612SKPO	70	60	120		
	· Plastic	522SKPO	70	55	220		
		620SKPO	70	60	204		

NPP Front plates for flat ducts		Article	axb	A	B	X	Y		
	· Decoration of mounting holes.	612NPP	120 x 60	150	150	135	135		 VP duct fixing by means of NPP
	· Fixing is carried out by screws.	620NPP	204 x 60	264	119	250	105		
	· Connected directly with ducts of the corresponding section.								
	· Plastic								

DKP Flat duct brackets		Article	a x b		
	· Duct fixing of the corresponding section to the mounting surface.	511DKP	110x55		 VP duct fixing by means of DKP
	· Fixing is carried out by screws.	522DKP	220x55		
	· Plastic	612DKP	120x60		
		511DKP	204x60		

KKP Round elbows 90°		Article	d	A		
	<ul style="list-style-type: none"> Used for connection with ducts of the corresponding section at an angle 90°. Connected directly with ducts. Plastic 	10KKP	100	143		
		12,5KKP	125	168,5		
		15KKP	150	195,5		
		16KKP	160	204		

VP duct connection by means of KKP 90°

KKP45° Round elbows 45°		Article	d		
	<ul style="list-style-type: none"> Used for connection with ducts of the corresponding section at an angle 45°. Connected directly with ducts. Plastic 	10KKP45°	100		
		12,5KKP45°	125		
		16KKP45°	160		


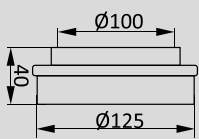

VP duct connection by means of KKP 45°

TP Round T-joints		Article	d	A	B		
	<ul style="list-style-type: none"> Used for connection with ducts of the corresponding section. Organization of complex ventilation systems, branches. Connected directly with ducts. Plastic 	10TP	100	186	143,5		
		12,5TP	125	212	169		
		16TP	160	244	203		

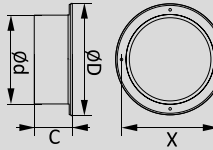
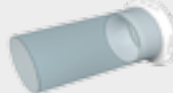

VP duct connection by means of TPP

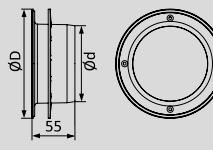


REP Eccentric connectors of round ducts		Article	d	D		
	<ul style="list-style-type: none"> Duct connection of different diameters. Plastic 	1012,5REP	100	125		
		12,516REP	125	160		

VP duct connection with REP from oversize side by means of SKP

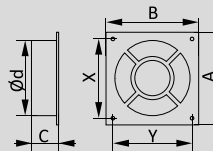


RP		Article	
Central connectors of round ducts			
	<ul style="list-style-type: none">· Duct connection of different diameters.· Connected directly with ducts.· Plastic	1012,5RP	
			 <p>Connection of VP ducts of different diameters by means of RP</p>

Connection of VP ducts of different diameters by means of RP


F Plastic flanges	<ul style="list-style-type: none"> · Duct connection of the corresponding diameter. · Wall or ceiling mounting. · Fixing is carried out by screws. · Connected directly with ducts. · Plastic 	Article	d	D	X	C		 F connection with VP duct
		10F	100	135	125	55		
		12.5F	125	160	150	55		
		15F	150	195	170	55		
		16F	160	195	185	55		
		20F	200	235	225	55		

FLR Flanges with locking ring	<ul style="list-style-type: none"> · Duct connection of the corresponding diameter. · Wall or ceiling mounting. · Equipped by locking ring for flange fixation in false ceiling systems. · Connected directly with ducts. · Fixing is carried out by means of screws. · Plastic 	Article	d	D		 FLR mounting for fixation of flexible air vent AF
		10FLR	100	139		
		12.5FLR	125	160		
		15FLR	150	195		
		16FLR	160	195		
		20FLR	200	240		



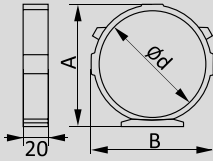

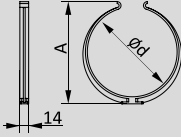
LR Locking rings under flange	<ul style="list-style-type: none"> · Installation of diffusers with the corresponding diameter flange. · Provides easy mounting and reliable fixation of diffusers with flange. · Plastic 	Article	d	D		 LR mounting for APP anemostat fixation in Armstrong false ceilings
		10LR	100	139		
		12.5LR	125	165		
		15LR	150	200		
		16LR	160	200		
		20LR	200	240		


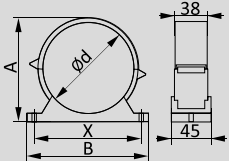

F Front plates for round ducts with flange	<ul style="list-style-type: none"> · Duct connection of the corresponding diameter. · Wall or ceiling mounting. · Connected directly with ducts. · Fixing is carried out by means of screws. · Plastic 	Article	d	A	B	C	X	Y		 VP duct connection by means of NPP
		1111F10	100	113	113	285	85	85		
		1616F12	125	164	164	34	130	130		
		1421F12	125	139	209	34	110	180		

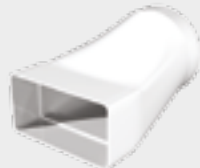
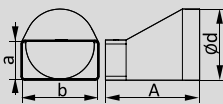
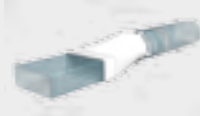
NKP Front plates for round ducts	<ul style="list-style-type: none"> · Duct connection of the corresponding diameter. · Wall or ceiling mounting. · Connected directly with ducts. · Fixing is carried out by means of screws. · Plastic 	Article	d	A	X		 VP duct fixing by means of NKP
		10NKP	105	150	135		
		10NKP	130	170	156		
		10NKP	165	205	190		

SKP Connectors of round ducts		Article	d	A		
	<ul style="list-style-type: none"> · Duct connection of the corresponding diameter at an angle 90° · Connected directly with ducts. · Plastic 	10SKP	100	62		 VP duct connection by means of SKP
		12.5SKP	125	62		
		15SKP	150	62		
		16SKP	160	62		

SKPO Connectors of round ducts with back flow valve		Article	d	A		
	<ul style="list-style-type: none"> · Duct connection of the corresponding diameter. · Equipped by back flow valve for protection against back draught. · Connected directly with ducts. · Plastic 	10SKPO	100	62		 VP duct connection by means of SKPO
		12.5SKPO	125	62		
		15SKPO	150	62		 Back flow valve
		16SKPO	160	62		


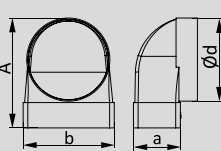


DKP Brackets of round ducts		Article	d	A	B		
 	<ul style="list-style-type: none"> · Duct fixation of the corresponding diameter to the mounting place. · Wall or ceiling mounting. · Fixing is carried out by means of screws. · Plastic 	10DKP	103,4	117,5	109,4		
		12.5DKP	128,4	141,9	134,4		
		16DKP	163,4	171,9	169,4		
		15.16RDH	140	160	-		VP duct fixing by means of DKP

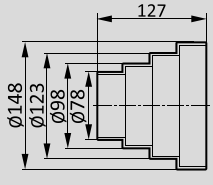

DSKP Brackets-connectors of round ducts		Article	d	A	B	X		
	<ul style="list-style-type: none"> · Duct connection of the corresponding diameter and fixing to the mounting place. · Fixing is carried out by means of screws. · Equipped by gasket elements for reliable end to end fixation of ducts. · Quick installation/dismantling. · Plastic 	10DSKP	104	119	138	122		
		12.5DSKP	129	144	163	147		
		16DSKP	204	179	198	182		

SPKP Eccentric connectors of flat air vents with round air ducts									
	<ul style="list-style-type: none">- Connection of rectangular ducts with round.- Direct connection of rectangular ducts, round ducts connected through the connector of the corresponding diameter.- Plastic	Article	axb	d	A				
		511SP10KP	55x100	100	137				
		522SP12,5KP	55x220	125					
		612SP10KP	60x120	100	178				
		620SP12,5KP	60x204	125	178				
		620SP16KP	60x204	160	178				
									
						Connection of rectangular VP ducts with round by means of SPKP			

TFP									
	Connectors of flat ducts with outlet to flange air diffusers	<ul style="list-style-type: none">· Organization of complex ventilation systems and branches with diffusers or round air ducts at an angle of 90 °.· Connected directly with rectangular air ducts and diffusers, having a flange (10RK, 10APVP).· Direct connection of rectangular ducts, round ducts connected through the connector the corresponding diameter.· Plastic	Article	d	axb	A			VP duct connection by means of TFP
	511TF10P	100	55x100	171					
	612TF10P	100	60x120	174					
	620TF10P	100	60x204	174					
	620TF12,5P	125	60x204	199					
	620TF16P	160	60x204	234					
									
		TPP mounting with APP anemostat							

SKKP Connectors of flat ducts with round air vents at an angle 90°		Article	d	axb	A		
	<ul style="list-style-type: none"> · Connection of rectangular ducts to round at an angle 90°. · Direct connection of rectangular and round ducts. · Plastic 	511SK10KP	100	55x100	147		
		612SK10KP	100	60x120	147		
		620SK10KP	100	60x204	143		
		620SK12,5KP	125	60x204	168		
		620SK16KP	160	60x204	204		
		522SK12,5KP	125	55x220			
		VP duct connection by means of SKKP					

SKFP Connectors of flat ducts with flange air diffusers at an angle of 90°		Article	d	axb	A		
	<ul style="list-style-type: none"> · For the connection of rectangular ducts with flanged diffusers, at an angle 90°. · Connected directly with rectangular air ducts and diffusers having a flange (10RK, 10APVP). · Can be connected with round air ducts through the connector of the corresponding diameter. · Plastic 	511SK10FP	100	55x100	147		
		612SK10FP	100	60x120	147		
		620SK10FP	100	60x204	143		
		620SK12,5FP	125	60x204	168		
		620SK16FP	160	60x204	204		
		522SK12,5FP	125	55x220			
		SKFP mounting with VP air vent and AVP anemostat					

PU Multi-operated adapters		Article		
	<ul style="list-style-type: none"> · Duct connection of different diameters. · Case is cut to produce the gear with the required diameter. · Connected directly with ducts. · Plastic 	PU151210.8		  VP duct connection by means of PU

PU Multi-operated adapters		Article		
	<ul style="list-style-type: none"> · Duct connection of different diameters. · Case is cut to produce the gear with the required diameter. · Connected directly with ducts. · Plastic 	PU161512.51210.8		  VP duct connection by means of PU

PU Multi-operated adapters		Article		
	<ul style="list-style-type: none"> · Duct connection of the corresponding diameter. · Wall or ceiling mounting. · Connected directly with ducts. · Fixing is carried out by means of screws. · Plastic 	PU161512.51210.8		  VP duct connection by means of PU

   <p>Transitional elements of PU series are multi-operated and suitable for the most wide-spread sectional diameters - 80, 100, 120, 125, 150 and 160 mm. Before installation excessive sections should be cut off by means of handsaw.</p>				
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SPKP Connectors of flat central air vents with round ducts		Article		
	<ul style="list-style-type: none"> · Connection of square duct with round. · Plastic 	1212SP12,5KP		 Connection of flexible AF duct to the hood by means of SPKP

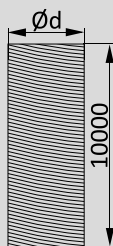



KV Adapters of square duct with round		Article	A		
	<ul style="list-style-type: none"> · Connection of square duct with round. · Plastic 	09KV	90		
		10KV	100		<p>Connection of flexible AV duct to the hood by means of KV</p>

PTG, PTV Plastic front plates for flat ducts		Article	axb	A	B	X	Y		
	<ul style="list-style-type: none"> · Decoration of exhaust outlets of ventilation systems. · Flange for the duct connection of the corresponding diameter. · Connected directly with ducts of the corresponding diameter. · Fixing is carried out by means of screws. · Plastic 	511PTP	55 x 100	150	150	135	135		
		612PTG	60 x 120	250	180	235	165		<p>VP duct fixing by means of PTP</p>
		612PTV	120 x 60	180	250	165	235		

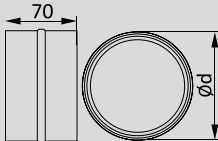


PTGR, PTVR		Article			
	<ul style="list-style-type: none">· Decoration of exhaust outlets of ventilation systems.· Flange for the duct connection of the corresponding diameter.· Wall or ceiling mounting.· Equipped by grill for natural ventilation.· Fixing is carried out by means of screws.· Plastic	612PTVR			
		612PTGR			
VP duct connection by means of PTVR					

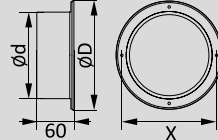
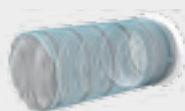

PTP Plastic front plates for round ducts		Article	d		
	<ul style="list-style-type: none"> · Duct connection of the corresponding diameter. · Wall or ceiling mounting. · Connected directly with ducts. · Fixing is carried out by means of screws. · Have diverter to prevent backflow through the lower ventilation grill. · Plastic 	100PTP	100		
		110PTP	110		<p>PTP connection with flexible VA duct</p>
		120PTP	120		
		125PTP	125		
		130PTP	130		
		150PTP	150		

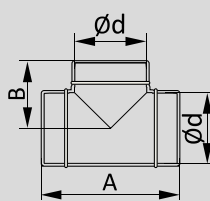


PTPR Plastic front plates for round ducts with grill		Article	D		
	<ul style="list-style-type: none"> · Duct connection of the corresponding diameter. · Wall or ceiling mounting. · Connected directly with ducts. · Fixing is carried out by means of screws. · Additional ventilation grill provides for natural draft in rooms with gas appliances. · Have diverter to prevent backflow through the lower ventilation grill. · Plastic 	100PTPR	100		
		110PTPR	110		<p>VP duct fixing by means of NKP</p>
		120PTPR	120		
		125PTPR	125		
		130PTPR	130		
		150PTPR	150		

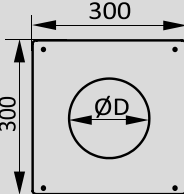


<div>AF</div> <div>Flexible armoured air vent</div> <div></div>	<div><div>· Maximum length in a stretched form is 10m;</div><div>· Wire step : 28 mm;</div><div>· Wall thickness: 70 microns.</div></div>	<table><tr><th>Article</th><th>d</th></tr><tr><td>AF102</td><td>102</td></tr><tr><td>AF127</td><td>127</td></tr><tr><td>AF152</td><td>152</td></tr><tr><td>AF160</td><td>160</td></tr><tr><td>AF203</td><td>203</td></tr><tr><td>AF254</td><td>254</td></tr><tr><td>AF315</td><td>315</td></tr><tr><td>AF356</td><td>356</td></tr><tr><td>AF406</td><td>406</td></tr></table>	Article	d	AF102	102	AF127	127	AF152	152	AF160	160	AF203	203	AF254	254	AF315	315	AF356	356	AF406	406	<div><div><div>Ød</div><div>10000</div></div><div></div></div> <div><div></div><div>Connection of AG to the hood outlet is carried out by means of KV adapter</div></div>												
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<div>AF-P</div> <div>Flexible armoured air vent</div> <div></div>	<div><div>· Maximum length in a stretched form is 10m;</div><div>· Wire step: 28 mm;</div><div>· Wall thickness: 105 microns.</div></div>	<table><tr><th>Article</th><th>d</th></tr><tr><td>AF-P102</td><td>102</td></tr><tr><td>AF-P127</td><td>127</td></tr><tr><td>AF-P152</td><td>152</td></tr><tr><td>AF-P160</td><td>160</td></tr><tr><td>AF-P203</td><td>203</td></tr><tr><td>AF-P254</td><td>254</td></tr><tr><td>AF-P315</td><td>315</td></tr><tr><td>AF-P356</td><td>356</td></tr><tr><td>AF-P406</td><td>406</td></tr></table>	Article	d	AF-P102	102	AF-P127	127	AF-P152	152	AF-P160	160	AF-P203	203	AF-P254	254	AF-P315	315	AF-P356	356	AF-P406	406													
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<div>AF thermal</div> <div>Flexible armoured air vent with heat insulation</div> <div></div>	<div><div>· Maximum length in a stretched form is 10m.</div><div>· Wire step: 28 mm.</div><div>· Wall thickness: 70 microns.</div><div>· Has an insulation layer of 30mm.</div></div>	<table><tr><th>Article</th><th>d</th></tr><tr><td>AF102 thermal</td><td>102</td></tr><tr><td>AF127 thermal</td><td>127</td></tr><tr><td>AF152 thermal</td><td>152</td></tr><tr><td>AF160 thermal</td><td>160</td></tr><tr><td>AF203 thermal</td><td>203</td></tr><tr><td>AF254 thermal</td><td>254</td></tr><tr><td>AF315 thermal</td><td>315</td></tr><tr><td>AF356 thermal</td><td>356</td></tr><tr><td>AF406 thermal</td><td>406</td></tr></table>	Article	d	AF102 thermal	102	AF127 thermal	127	AF152 thermal	152	AF160 thermal	160	AF203 thermal	203	AF254 thermal	254	AF315 thermal	315	AF356 thermal	356	AF406 thermal	406													
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<div>VA</div> <div>Flexible aluminum channeled air vent</div> <div></div>	<div><div>· Spirally-rolled duct.</div><div>· Connection type of tape - triple locking.</div><div>· For supply and exhaust ventilation and air conditioning systems.</div><div>· Connected by connection elements of the corresponding diameter.</div><div>· Operating temperature -30 ... + 300 C°</div><div>· Compressed length: 0,34m ;</div><div>· Maximum length in an stretched form: 3m;</div><div>· Minimum bending angle: 0.7 diameter;</div><div>· Material: Aluminum Foil.</div></div>	<table><tr><th>Article</th><th>d</th><th>Article</th><th>d</th></tr><tr><td>08VA</td><td>80</td><td>13,5VA</td><td>135</td></tr><tr><td>10VA</td><td>100</td><td>14VA</td><td>140</td></tr><tr><td>11VA</td><td>110</td><td>15VA</td><td>150</td></tr><tr><td>11,5VA</td><td>115</td><td>16VA</td><td>160</td></tr><tr><td>12VA</td><td>120</td><td>20VA</td><td>200</td></tr><tr><td>12,5VA</td><td>125</td><td>25VA</td><td>250</td></tr><tr><td>13VA</td><td>130</td><td>31,5VA</td><td>315</td></tr></table>	Article	d	Article	d	08VA	80	13,5VA	135	10VA	100	14VA	140	11VA	110	15VA	150	11,5VA	115	16VA	160	12VA	120	20VA	200	12,5VA	125	25VA	250	13VA	130	31,5VA	315	<div><div><div>Ød</div><div>max. 3000</div></div><div></div></div> <div><div></div><div>Connection of VA to the hood outlet is carried out by means of KV adapter</div></div>
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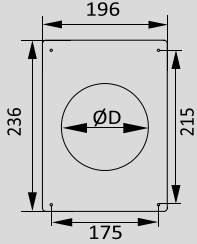

PM		Article	d		
Steel connectors with polymeric enamel coating	<ul style="list-style-type: none">Connectors with polymeric enamel coating.Designed for duct connection.Material - steel.Coating - powder enamel.	10PM	100		
		12PM	120		
		12,5PM	125		
		15PM	150		
		20PM	200		
Connection of VA ducts by means of PM connector					


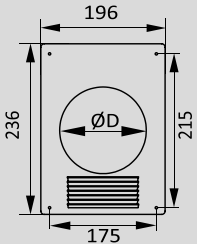

PZ Steel zinc-plated connectors	<ul style="list-style-type: none">· Zinc-plated connectors· Intended for VA air vent connection.· Material- zinc-plated steel.	Article	d		
		10PZ	100		
		12PZ	120		
		12,5PZ	125		
		15PZ	150		
Connection of VA ducts by means of PC connector					

FM		Article	d	X	D		
Steel flanges with polymeric enamel coating	<ul style="list-style-type: none">Steel flanges with polymeric enamel coating.Designed for VA duct connection to wall.Material - steel.Coating - powder enamel.	10FM	100	114	128		
		12FM	120	134	148		
		12,5FM	125	139	153		
		15FM	150	164	178		
Connection of VA duct with FM connector							

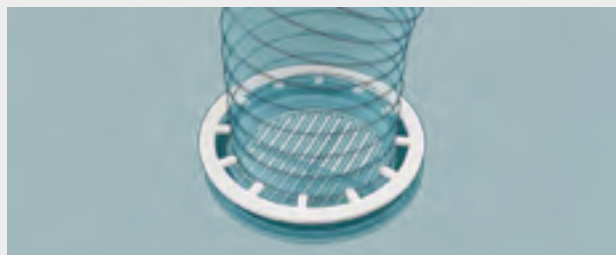
TM		Article	d	A	B		
Steel T-joints with polymeric enamel coating	<ul style="list-style-type: none">Steel T-joints with polymeric enamel coating.Designed for branching of ventilation system.Material - steel.Coating - powder enamel.	10TM	100	200	98		
	12TM	120	215	110			
	12,5TM	125	220	110			
	15TM	150	246	123			
Connection of VA ducts by means of TM joint							

PTM(30x30) Squire steel front plates		<ul style="list-style-type: none">· Designed for mounting of round air ducts to pipeline from flue gas equipment of various types.· Material: sheet steel, coated with polymeric enamel.· Wall mounting is carried out with screws.	Article	d		
	100PTM (30x30)		100			
	110PTM (30x30)		110			
	115PTM (30x30)		115			
	120PTM (30x30)		120			
	125PTM (30x30)		125			
	130PTM (30x30)		130			
	135PTM (30x30)		135			
	140PTM (30x30)		140			
	150PTM (30x30)		150			
Connection of VA ducts with front plate PTM						

PTM Steel front plates		Article	d		
	<ul style="list-style-type: none"> Designed for mounting of round air ducts to pipeline from flue gas equipment of various types. Material: sheet steel, coated with polymeric enamel. Wall mounting is carried out with screws. 	100PTM	100		
		110PTM	110		
		115PTM	115		
		120PTM	120		
		125PTM	125		
		130PTM	130		
		135PTM	135		
		140PTM	140		
		150PTM	150		

PTMR Steel front plates with grill		Article	d		
	<ul style="list-style-type: none"> Designed for mounting of round air ducts to pipeline from flue gas equipment of various types. Material: sheet steel, coated with polymeric enamel. Wall mounting is carried out with screws. 	100PTMR	100		
		110PTMR	110		
		115PTMR	115		
		120PTMR	120		
		125PTMR	125		
		130PTMR	130		
		135PTMR	135		
		140PTMR	140		
		150PTMR	150		

When stretched, semi-flexible duct VA to the maximum length of the duct slightly unwound by the rotation axis!



Flexible ducts of AF, AF-P and AFizo series can be fixed to diffusers with locking ring LR



All series of flexible and semi-flexible ducts fixed by clamps from both sides

Collar

Article	Item
Collar 8-12	Steel screw clamp 8-12 mm, width of 9 mm
Collar 10-16	Steel screw clamp 10-16 mm, width of 9 mm
Collar 12-20	Steel screw clamp 12-20 mm, width of 9 mm
Collar 16-25	Steel screw clamp 16-25 mm, width of 9 mm
Collar 20-32	Steel screw clamp 20-32 mm, width of 9 mm
Collar 25-40	Steel screw clamp 25-40 mm, width of 9 mm
Collar 32-50	Steel screw clamp 32-50 mm, width of 9 mm
Collar 40-60	Steel screw clamp 40-60 mm, width of 9 mm
Collar 50-70	Steel screw clamp 50-70 mm, width of 9 mm
Collar 70-90	Steel screw clamp 70-90 mm, width of 9 mm
Collar 90-110	Steel screw clamp 90-110 mm, width of 9 mm
Collar 100-120	Steel screw clamp 100-120 mm, width of 9 mm
Collar 110-130	Steel screw clamp 110-130 mm, width of 9 mm
Collar 120-140	Steel screw clamp 120-140 mm, width of 9 mm
Collar 130-150	Steel screw clamp 130-150 mm, width of 9 mm
Collar 140-160	Steel screw clamp 140-160 mm, width of 9 mm
Collar 150-170	Steel screw clamp 150-170 mm, width of 9 mm
Collar 160-180	Steel screw clamp 160-180 mm, width of 9 mm
Collar 190-210	Steel screw clamp 190-210 mm, width of 9 mm
Collar 210-230	Steel screw clamp 210-230 mm, width of 9 mm
Collar 240-260	Steel screw clamp 240-260 mm, width of 9 mm
Collar 310-330	Steel screw clamp 310-330 mm, width of 9 mm

Steel screw clamp

- For fixing of channeled aluminum ducts, rubber hoses and adapters.
- Material: Stainless steel.



PH

Article	Item	Diameter
200PH	Plastic hose tie, 4,8 x 200 mm (80 pcs)	Max 63 mm
250PH	Plastic hose tie, 4,8 x 250 mm (60 pcs)	Max 79 mm
300PH	Plastic hose tie, 4,8 x 300 mm (60 pcs)	Max 95 mm
350PH	Plastic hose tie, 4,8 x 350 mm (60 pcs)	Max 111 mm
400PH	Plastic hose tie, 4,8 x 400 mm (90 pcs)	Max 127 mm
450PH	Plastic hose tie, 4,8 x 450 mm (90 pcs)	Max 143 mm
500PH	Plastic hose tie, 4,8 x 500 mm (90 pcs)	Max 159 mm

Plastic hose tie

- Intended for fixation of flexible air ducts with fittings, as well as for any elements of ventilation system.

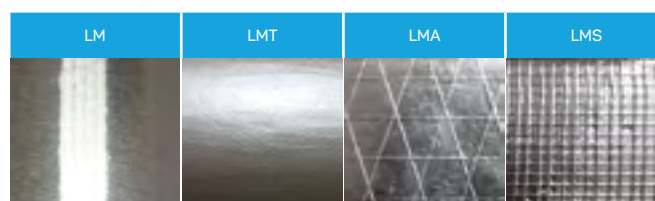


LM

Article	Width, mm	Length, mm	Depth, mkm
LM	50	50	30
LMT	50	30	500
LMA	50	50	120
LMS	50	50	150

- Designed for sealing of ventilation systems.
- **LM** - made of aluminum foil with hot melt.
- **LMT** - material: geotextiles, coated with polyethylene, with the adhesive surface.
- **LMA** - made of aluminum armoured foil with base of kraft paper and canvas.
- **LMS** - made of armoured aluminum foil with a base of fiberglass.

Mounting adhesive tape



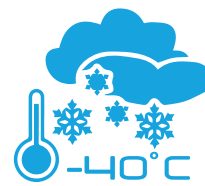
Product series for outside usage FanCity

Akvavent company presents FanCity series of outside ventilation grills.

These products provide air exchange and help to create good conditions for air circulation in a room. One more practical application of this category of products is protection of the ventilation system against objects from within (leaves, garbage, rainfall).

But list of advantages of these products doesn't run short: they are a decorative element that hides ventilation system and decorates front side of the building, making an impact on the total eye appeal of it.

To serve this purpose we provide a wide range of color versions that combine with majority of color and textural solutions for the front side of modern buildings. Within this series of products you can choose a grill that will fulfill all the tasks and assimilate with the architectural construction.





Ventilation grill selection depends on color options, size range, hole configuration, grill material which helps to match up with user requirements and find the best option which performs its functions and fulfills the design

ideas.




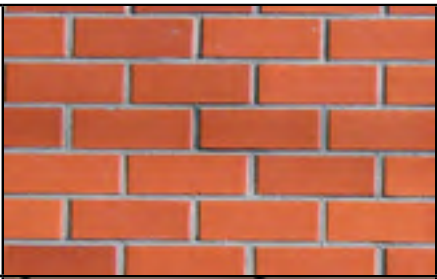





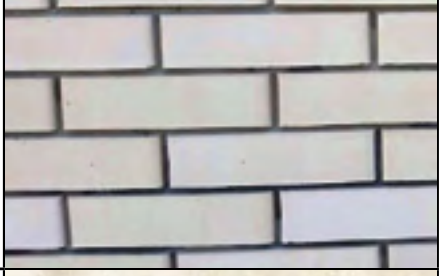



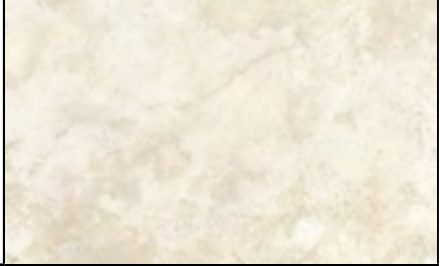
What are the advantages of ASA products?

ASA plastic is an equivalent to traditional ABS plastic with higher durability and weather-resistant qualities. This material gained a good reputation and is new in the ventilation production. ASA plastic products don't get yellow, or less durable, don't get fragile or crack at temperature extremes.

They can endure great shock loads, can keep impact of water, weak acids, mineral and grease oils, retain their qualities after contact with diesel oil.

Choosing ASA plastic grills you can be sure they retain original appearance and serve for a long time.



<p>Terracotta</p> 		<p>Gray</p> 	
<p>Brown</p> 		<p>Light gray</p> 	
<p>Beige</p> 		<p>Ivory</p> 	

Al

STEEL



Aluminum and stainless steel are used for production of these grills. Manufacture includes observation of all technological rules and modern equipment. Many experts call metal frontal ventilation grills the most durable. They have several advantages in comparison to plastic grills.

- have high durability and design reliability
- corrosion resistant
- remain bright within all life cycle
- resistant to mechanical damage
- resistant to flame, fire safe
- stable to temperature extremes
- life cycle is from 10 years, grills are expected to serve for 30 or 50 years in good conditions

Several models are supplied with metal mesh that prevents gnawing animals and insects from getting inside the house. To avoid clumps of dirt that block air flow metal ventilation grills require periodic maintenance. Although price for metal grills is a bit higher than plastic ones their quality, reliability and durability make these grills very cost-efficient.

RKM

AL



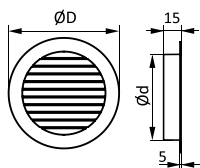
External supply and exhaust aluminum grill with flange

- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- External wall mounting.
- Made of aluminum.
- Used in ventilation, air conditioning and heating systems.
- Mosquito net is made of stainless steel.
- Equipped by round pipe for installation with air ducts.
- Has inclined blinds.
- Fixing is carried out by means of screws.

Overall dimensions

Article	d	D
10RKM	100	125
12,5RKM	125	150
16RKM	160	185
20RKM	200	225
25RKM	250	275
31,5RKM	315	350

Weather-resistant metal



Mounting example



Mounting of external RKM grill by means of screws

VM

STEEL



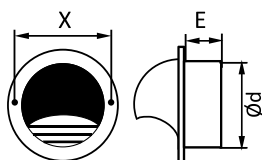
Wall output

- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- External wall mounting.
- Made of stainless steel.
- Mosquito net is made of stainless steel.
- Equipped by round pipe for installation with air ducts.
- Fixing is carried out by means of screws.

Overall dimensions

Article	d	X	E
10VM	100	133	52
12,5VM	125	162	52
15VM	150	192	62
16VM	160	192	62

Weather-resistant metal



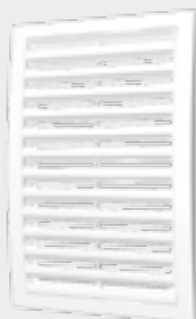
Mounting example



Mounting of VM wall output by means of screws

RRN

ASA
plastic



Detachable ventilation grill

- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- External wall mounting.
- Made of ASA-plastic.
- Has inclined blinds.
- Fixing is carried out by means of screws.

Overall dimensions

Article	AxB	XxY	C	K
1515RRN	150x150	115x116	12	0,6
1825RRN	180x250	132x206	17	0,6
2020RRN	200x200	152x156	14	0,66
2030RRN	200x300	152x256	20	0,68
3020RRN	300x200	256x152	20	0,68
2525RRN	250x250	202x206	17	0,78
3535RRN	350x350	302x306	22	0,6

K - free area ratio, mm2

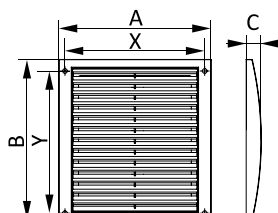
Removable front panel



Due to the removable front panel, dismantlable PPH grill allows to make an audit inspection and cleaning of the air vent without dismantling of the product.

This procedure is particularly actual for outside product installation. Unlike mounting indoors, outside air holes are much more often required periodic inspection and cleaning.

Weather-resistant ASA-plastic



Colour layout

Ivory



All sizes

Gray



All sizes

Terracotta



All sizes

Brown



All sizes

RRPN

ASA
plastic



Supply and exhaust grill with airflow regulation

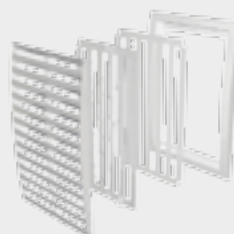
- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- Outside wall mounting.
- Has inclined blinds.
- Equipped with a movable part for air flow control.
- Regulation of clear opening is carried out by a checkbox.
- Made from high-quality ASA-plastic.
- Fixing is carried out by means of screws.

Overall dimensions

Article	AxB	XxY	C	K
1515RRPN	150x150	115x116	12	0-0,26
1825RRPN	180x250	132x206	17	0-0,30
2020RRPN	200x200	152x156	14	0-0,26
2030RRPN	200x300	152x256	20	0-0,30
2525RRPN	250x250	202x206	17	0-0,30
3535RRPN	350x350	302x306	22	0-0,35

K - free area ratio, mm2

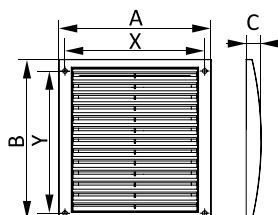
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This procedure is particularly actual for outside product installation. Unlike mounting indoors, outside air holes are much more often required periodic inspection and cleaning.

Weather-resistant ASA-plastic



Colour layout

Ivory



All sizes

Gray



All sizes

Terracotta



All sizes

Brown



All sizes

RKN

ASA
plastic



Outside round ventilation grill with flange

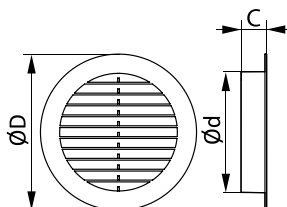
- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- Outside wall mounting.
- Has inclined blinds.
- Made from high-quality ASA-plastic.
- Fixing is carried out by means of screws.

Overall dimensions

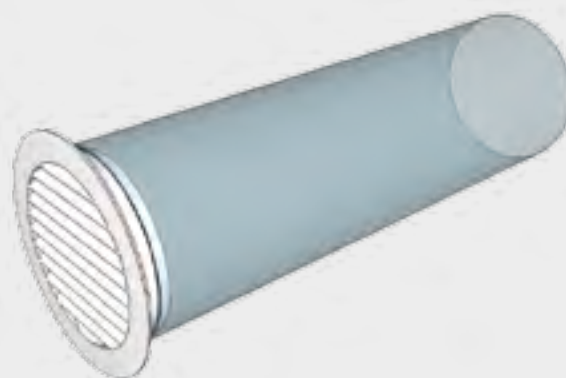
Article	d	D	E	C	K
1515RRN	100	130	19,6	14	0,46
1825RRN	125	150	19,6	14	0,52
2020RRN	150	200	20	2	0,42
2030RRN	160	200	19,6	14	0,42

K - free area ratio, mm²

Weather-resistant ASA-plastic



Mounting example



Mounting of external RKN grill with round plastic VP air vent

Colour layout

Ivory



All sizes

Gray



All sizes

Light Gray



All sizes

Terracotta



All sizes

Brown



All sizes

KF

ASA
plastic



Supply and exhaust grill with gravity louvers and flange

- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- Outside wall mounting.
- Equipped by gravity louvers for back draught protection.
- Made from high-quality ASA-plastic.
- Fixing is carried out by means of screws.

Overall dimensions

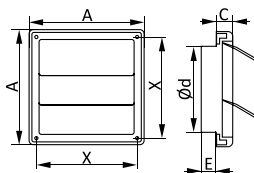
Article	A	X	d	E	C
1515K10F	150	105	100	24,5	14,5
2121K12,5F	212	150	125	25	20
2121K15F	212	150	150	25	20
2121K16F	212	150	160	25	20

Overall dimensions

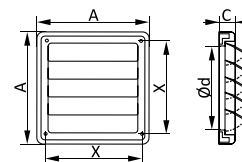
Article	A	X	d	C
2424K20F Gray	242	215	200	20
2929K25F Gray	294	265	250	25
3636K31,5F Gray	360	325	315	25
4141K35,5F Gray	410	371	355	25
4646K40F Gray	456	415	400	27

This size range is available only in gray colour

Weather-resistant ASA-plastic



Weather-resistant ASA-plastic



Colour layout

Beige



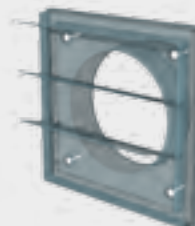
1515K10F

Gray



All sizes

Mounting example



Scheme of KF grill mounting

Gravity louvers



Gravity louvers as well as back flow valve protect against back draught

KFV

ASA
plastic



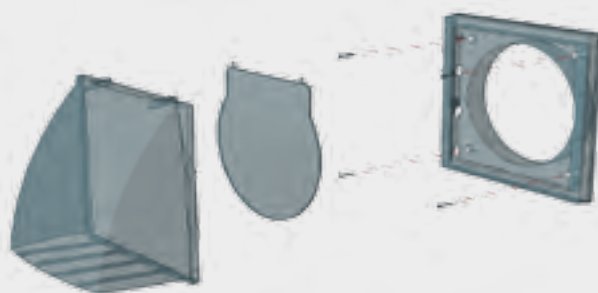
Exhaust wall output with back flow valve and flange

- Decoration of supply and exhaust ventilation systems of residential, public and industrial buildings.
- Outside wall mounting.
- Double-element construction.
- Equipped by gravity valve for back draught protection.
- Made from high-quality ASA-plastic.
- Fixing is carried out by means of screws.

Overall dimensions

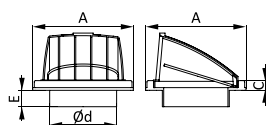
Article	A	d	C	E
1515K10FV	150	100	14,5	25
2121K12,5FV	212	125	20	25
2121K15FV	212	150	20	25
2121K16FV	212	160	20	25

Mounting example



Mounting of KFV wall output by means of screws

Weather-resistant ASA-plastic



Colour layout

Ivory



All sizes

Beige



All sizes

Gray



All sizes

Terracotta



All sizes

Brown



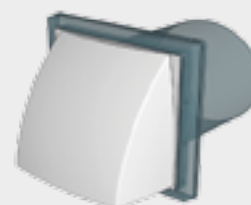
All sizes

Back flow valve



Original construction of back flow valve prevents back draught

Weather skirt



Weather skirt for protection against wind, rain and snow

TD



Ventilation deflector

Deflector - an element of natural ventilation, designed for air inhaust and it does not require connection to the mains.

The product works by using natural energy source - wind.

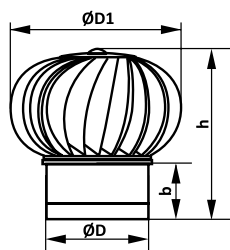
Due to the rotation, deflector creates a vacuum and draft air from the room, roof space, ventilation ducts and shafts.

Overall dimensions

Article	D	D1	B	h
TD-100	100	260	100	300
TD-110	110	260	100	300
TD-125	125	260	100	300
TD-150	150	275	100	300
TD-200	200	275	100	300
TD-250	250	390	100	340
TD-300	300	440	100	370
TD-315	315	440	100	370
TD-355	355	500	100	530
TD-400	400	550	100	530
TD-500	500	600	200	530
TD-600	600	800	200	600
TD-680	680	880	250	600

Custom sizes are possible

Weather-resistant metal



Colour layout



Mode of operation



Despite the direction, strength and type of wind turbine is always rotating in the same direction and creates a partial vacuum that leads to a result of the flow rate in the tube, it improves air exchange and prevents back draught. That also prevents the penetration of external precipitation (rain, snow) in the flue. The active deflector head is rotated by wind, creating negative pressure in the duct, which contributes draught reinforcement.

Design variant



Screens for radiators



Decorative screen for radiators will give your apartment completeness. Decorative and protective screens for radiators, firstly, look beautiful and elegant, and secondly, protect against skin burns (especially children), if radiators are too hot.

Revision hatch door

Revision hatches are designed to provide access to hidden communication. Required to carry out maintenance inspection and repair, if necessary. Revision hatches may be installed on different surfaces: ceiling or walls, partitions and floors. Allow for maintenance of water and sewer pipes, wiring or ventilation and heating systems.



Revision hatch door for concealed mounting



Revision hatches help to obtain easy access to plumbing pipes, electric wires and other engineering systems. The range includes as lightweight hatches for painting, as with reinforced profile for mounting of ceramic tiles and decorative stone.

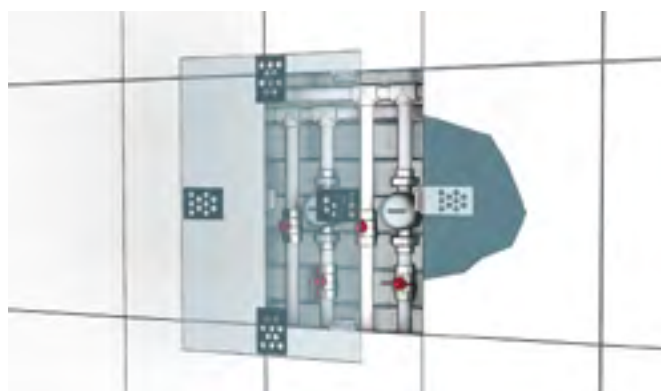


HDM-1, Multi-operated hatch

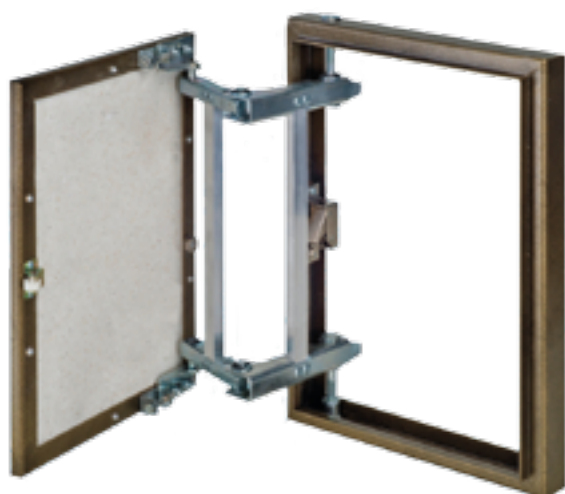


Used to provide access to hidden utilities. Made of galvanized metal plates with perforations (to improve the coupling) and fix to the inboard side of the tile by means of glue and magnets. Magnets should be attached at facing tiles along the whole perimeter in the wall, one on each side. However, depending on tile size and weight it's possible to reinforce construction and place 2 magnetic plates on both sides.

This set is a perfect solution for decoration of conspicuous pipes or other construction elements, easily hides all plumbing systems. Simple construction provides ease of installation and operation in the future.



CERAMO STEEL hatch under tile



Used to provide access to the hidden utilities. Designed for installation in wall. Hatch frame and door frame are made of steel with a polymeric enamel coating, which provides resistance to corrosion.

Filling of the door -gypsum-fibre plate. Equipped with an adjustable loop of the original design for the front door opening. Special mechanical lock of presson type provides reliable fixation of door.

Door hatch can be decorated by natural and artificial stone, mirrors, etc. dimensions on each side can be 50 mm bigger than hatch sizes. Withstand the weight of any finishing material from 6 kg on the smallest model (200x300 mm) to 34 kg on the largest (600x1200 mm).

Installation is carried out by means of screws in the pre-prepared mounting hole. According to the special requirements of the customer it is possible to manufacture other sizes.

DMER



Decorative metal screen for radiators

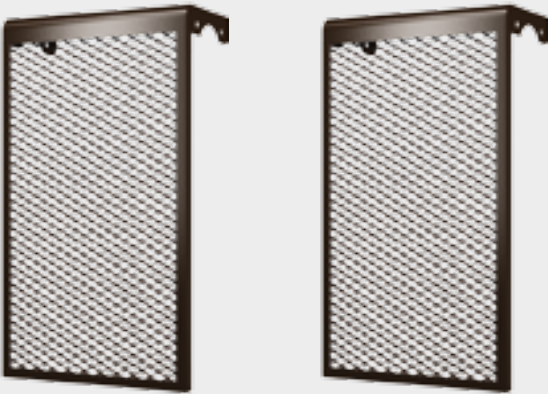
- Designed for radiators.
- Have high thermal conductivity.
- Material: metal profile with expanded mesh.

Overall dimensions

Article	Quantity of sections	A	Depth of expanded mesh	Depth of metal frame
3DMER	3	290	0,7	0,5
4DMER	4	390	0,7	0,5
5DMER	5	490	0,7	0,5
6DMER	6	590	0,7	0,5
7DMER	7	690	0,7	0,5

Colour layout

Brown



All sizes



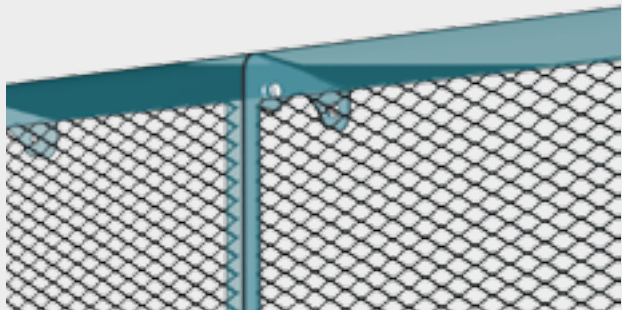
Mesh

Mesh size is 13*25*3 mm



More dimensions

If you need an oversize screen, such as 8-sectional radiator, you can easily combine two 4-section screens together by connecting openings. Fasteners are not supplied and must be purchased separately, the diameter of connection holes is 8 mm.



DF



Revision ventilated attachable hatch door «Dekofot»

- For the access to hidden utilities.
- Designed for installation in wall or ceiling.
- Does not prevent natural ventilation.
- Equipped with a latch-handle for easy opening / closing of the door.
- Possibility of universal mounting for left-hand or right-hand opening.
- Can be used in wet areas.
- Easy maintenance.
- Fixing is carried out by means of screws.
- Material: ABS-plastic.

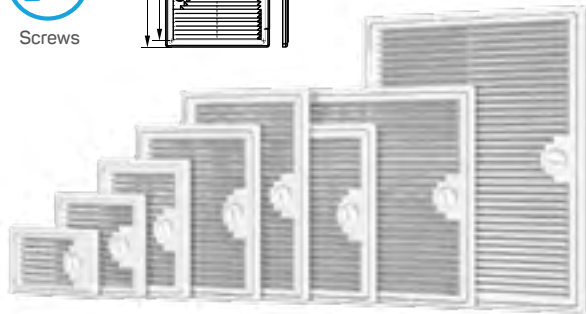
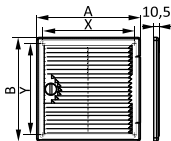
Overall dimensions

Article	AxB	XxY
1510DF	150x100	120x70
1515DF	150x150	120x120
1520DF	150x200	120x170
2025DF	200x250	170x220
2030DF	200x300	170x270
2525DF	250x250	220x220
3030DF	300x300	270x270
3040DF	300x400	270x370

Mounted by

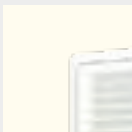


Screws



Colour layout

Ivory
All sizes



Mounting example



Mounting of DF revision hatches is carried out by means of screws

Louvers



Compared with the hatch having a blind door, air exchange process is carried out by means of dekofot thereby the temperature and humidity level become more equaliable in the room and the inter-wall space.

LTP



Revision plated hatch door with latch-handle

- For the access to hidden utilities.
- Designed for installation in wall or ceiling.
- Equipped with a latch-handle for easy opening / closing of the door.
- Possibility of universal mounting for left-hand or right-hand opening.
- Can be used in wet areas.
- Easy maintenance.
- Material: ABS-plastic.

Overall dimensions

Article	AxB	XxY
LT1510P	150x100	120x70
LT1515P	150x150	120x120
LT1520P	150x200	120x170
LT2025P	200x250	170x220
LT2030P	200x300	170x270
LT2525P	250x250	220x220
LT3030P	300x300	270x270
LT3040P	300x400	270x370

Colour layout

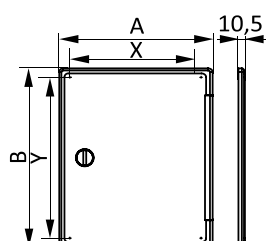
Ivory



All sizes



Mounted by



Handle

Latch with handle prevents inadvertent opening of the hatch, and also provides more convenient access to the audit space.



Mounting example

Mounting of LTP revision hatch is carried out by means of screws



L



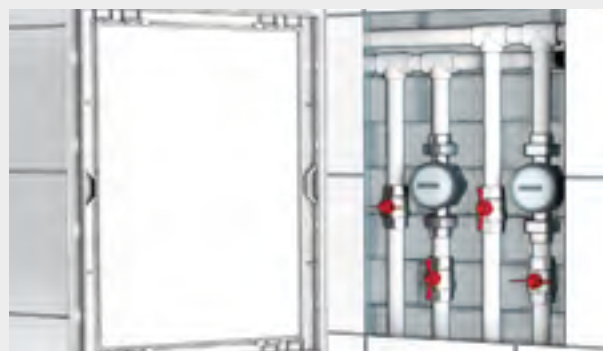
Plastic revision hatch door with flange

- For the access to hidden utilities.
- Designed for installation in wall or ceiling.
- Opening/closing is carried out by easy pressure.
- Equipped with a latch-handle for easy opening / closing of the door.
- Possibility of universal mounting for left-hand or right-hand opening.
- Can be used in wet areas.
- Easy maintenance.
- Fixing is carried out by means of matrix or glue.
- Material: ABS-plastic.

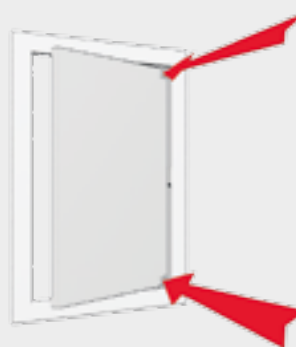
Overall dimensions

Article	AxB	XxY
L1515	168x168	146x146
L1520	168x218	146x196
L1530	168x318	146x296
L2020	218x218	196x196
L2025	218x268	196x246
L2030	218x318	196x296
L2040	218x418	196x396
L2530	268x318	246x296
L2540	268x418	246x396
L3030	318x318	296x296
L3040	318x418	296x396
L3050	318x518	296x496
L3535	368x368	346x346

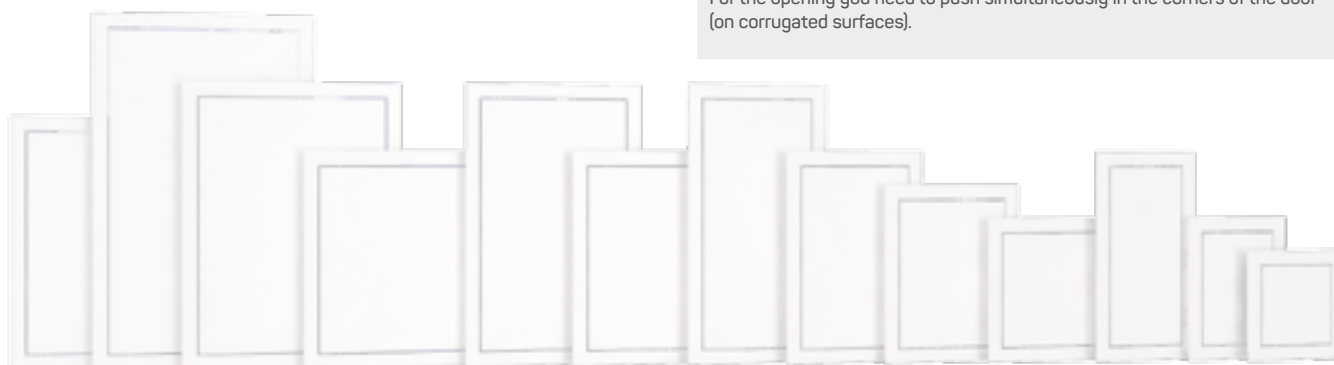
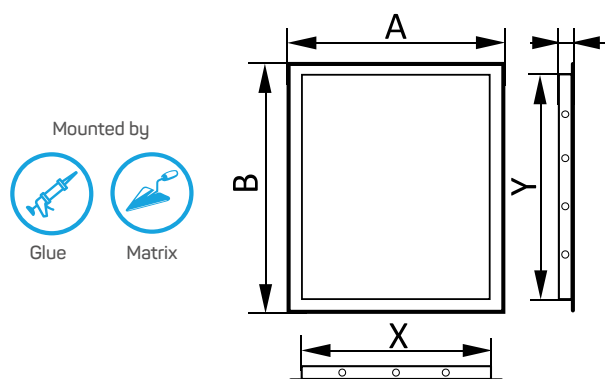
Mounting example



Opened by pressing



For the opening you need to push simultaneously in the corners of the door (on corrugated surfaces).



L

Palisander

In the age of high-tech, environmental style becomes more and more popular with each passing day. Decorative elements in the interior of natural materials create special atmosphere of unity with nature and, of course, refresh your home.

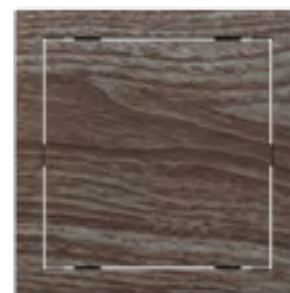


Colour layout



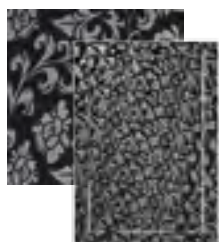
Oak

Eco-style is subject to the principle of naturalness - that involves a complete rejection of plastic, chipboard and chrome in objects of decoration and furniture.



Colour palette: the contrast of white with dark wood, brown, pastel. Now eco-style is much broader concept that includes not only the decoration and furniture made of natural materials, but also the content of the interior as a whole, including lighting, small decorative items, etc.

Black Design



White Design



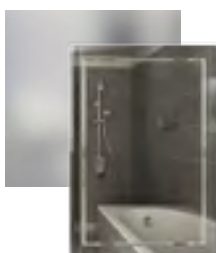
Dark Gray Metal



Gray Metal



Chrome



Gold



Champagne



LR



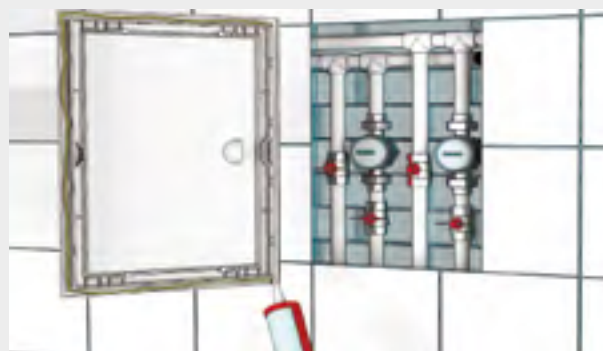
Revision hatch-door with handle

- For the access to hidden utilities.
- Designed for installation in wall or ceiling.
- Equipped with handle for easy opening / closing of the door.
- Possibility of universal mounting for left-hand or right-hand opening.
- Can be used in wet areas.
- Easy maintenance.
- Fixing is carried out by means of matrix or glue.
- Material: ABS-plastic.

Overall dimensions

Article	AxB	XxY
L1010R	122x122	98x98
L1015R	122x172	98x148
L1515R	168x168	146x146
L1520R	168x218	146x196
L1530R	168x318	146x296
L2020R	218x218	196x196
L2025R	218x268	196x246
L2525R	268x268	246x246
L2030R	218x318	196x296
L2040R	218x418	196x396
L2530R	268x318	246x296
L2540R	268x418	246x396
L3030R	318x318	296x296
L3040R	318x418	296x396
L3060R	318x618	296x596
L3535R	368x368	346x346
L4040R	418x418	396x396
L4050R	418x518	396x496
L4060R	418x618	396x596

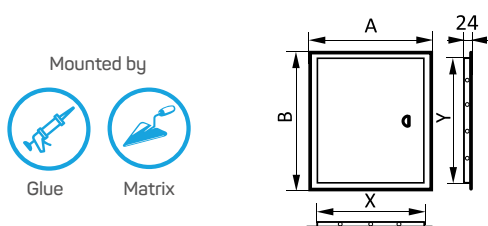
Mounting example



Handle



Plastic revision hatches with flange of LR series equipped with a special handle. This handle makes it easy to open and close the door, get to the hidden utilities quickly and easily.



LZ



Revision hatch-door with lock

- For the access to hidden utilities.
- Designed for installation in wall or ceiling.
- Equipped with lock for access restriction to hidden utilities.
- Possibility of universal mounting for left-hand or right-hand opening.
- Can be used in wet areas.
- Easy maintenance.
- Fixing is carried out by means of matrix or glue.
- Material: ABS-plastic.

Overall dimensions

Article	AxB	XxY
L1515Z	168x168	146x146
L1520Z	168x218	146x196
L1530Z	168x318	146x296
L2020Z	218x218	196x196
L2025Z	218x268	196x246
L2525Z	268x268	246x246
L2030Z	218x318	196x296
L2040Z	218x418	196x396
L2530Z	268x318	246x296
L2540Z	268x418	246x396
L3030Z	318x318	296x296
L3040Z	318x418	296x396
L3060Z	318x618	296x596
L3535Z	368x368	346x346
L4040Z	418x418	396x396
L4050Z	418x518	396x496
L4060Z	418x618	396x596

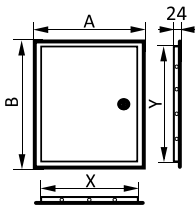
Mounted by



Glue



Matrix



Lock

Plastic revision hatches with flange of LZ series equipped with lock and key, allowing to block the door from the outside penetration into the closed space.



LTM



Revision hatch door with flange and handle with polymeric LTM enamel coating

- For the access to hidden utilities.
- Designed for installation in wall.
- Equipped with handle for easy opening / closing of the door and lock for door fixation.
- Possibility of universal mounting for left-hand or right-hand opening.
- Easy maintenance.
- Fixing is carried out by means of matrix or glue.
- Material: steel with polymeric enamel coating.
- Other sizes can be manufactured according to special requirements.

Overall dimensions

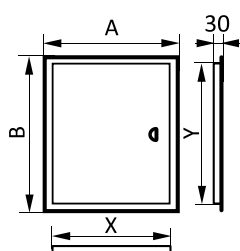
Article	AxB	XxY
LT1515M	210x210	150x150
LT1520M	210x260	150x200
LT2020M	260x260	200x200
L2025M	260x310	200x250
LT2030M	260x360	200x300
LT2035M	260x410	200x350
LT2040M	260x460	200x400
LT2230M	280x360	220x300
LT2255M	280x610	220x550
LT2525M	310x310	250x250
LT2530M	310x360	250x300
LT2535M	310x410	250x350
LT2540M	310x460	250x400
LT2545M	310x510	250x450
LT3030M	360x360	300x300
LT3040M	360x460	300x400
LT3050M	360x560	300x500
LT3535M	410x410	350x350
LT4040M	460x460	400x400
LT4050M	460x560	400x500
LT4060M	460x660	400x600
LT4545M	510x510	450x450
LT5050M	560x560	500x500
LT5555M	610x610	550x550
LT6060M	660x660	600x600
LT6080M	660x860	600x800

Handle



Metal revision hatches with flange of LTM series equipped with a special handle. This handle makes it easy to open and close the door, quickly and easily get to the hidden utilities. Magnetic lock prevents accidental opening and allows to mount the door in horizontal surfaces.

Back view



LTMZ



Steel revision hatch doors with flange and handle with polymeric LTMZ enamel coating

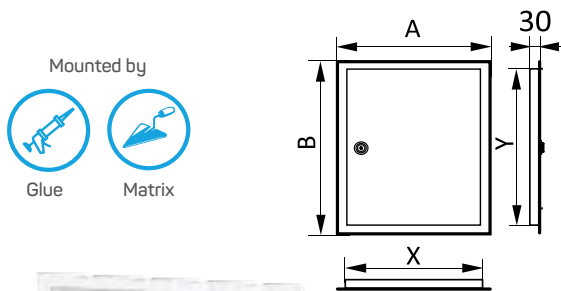
- For the access to hidden utilities.
- Designed for installation in wall.
- Equipped with lock for access restriction to hidden utilities.
- Possibility of universal mounting for left-hand or right-hand opening.
- Can be specially manufactured.
- Easy maintenance.
- Fixing is carried out by means of matrix or glue.
- Material: steel with polymeric enamel coating.

Overall dimensions

Article	AxB	XxY
LT1515MZ	210x210	150x150
LT1520MZ	210x260	150x200
LT2020MZ	260x260	200x200
L2025MZ	260x310	200x250
LT2030MZ	260x360	200x300
LT2035MZ	260x410	200x350
LT2040MZ	260x460	200x400
LT2230MZ	280x360	220x300
LT2255MZ	280x610	220x550
LT2525MZ	310x310	250x250
LT2530MZ	310x360	250x300
LT2535MZ	310x410	250x350
LT2540MZ	310x460	250x400

Overall dimensions

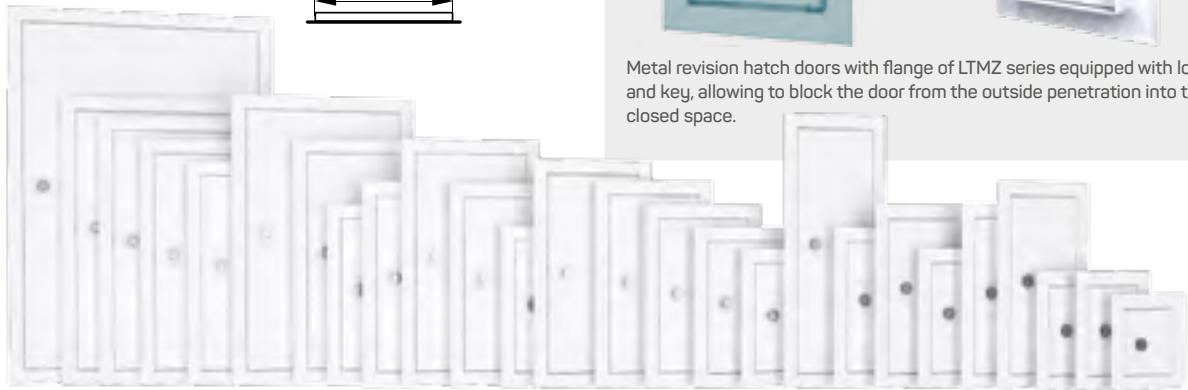
Article	AxB	XxY
LT2545MZ	310x510	250x450
LT3030MZ	360x360	300x300
LT3040MZ	360x460	300x400
LT3050MZ	360x560	300x500
LT3535MZ	410x410	350x350
LT4040MZ	460x460	400x400
LT4050MZ	460x560	400x500
LT4060MZ	460x660	400x600
LT4545MZ	510x510	450x450
LT5050MZ	560x560	500x500
LT5555MZ	610x610	550x550
LT6060MZ	660x660	600x600
LT6080MZ	660x860	600x800



Lock



Metal revision hatch doors with flange of LTMZ series equipped with lock and key, allowing to block the door from the outside penetration into the closed space.



LPU



Hatches for colouring and wall
paper coatings

- Hidden revision hatch for access to the hidden engineering communications.
- Intended for installation in constructions from gypsum cardboard in a wall.
- Surface of a door is specially prepared for painting by acrylic, water dispersing colors or hang of wall-paper.
- Painted or covered by wallpaper under an interior layout.
- Hatch door is filled with damp proof gypsum cardboard.
- Special mechanical lock provides reliable fixing of a door.
- Opens and closes by easy pressure.
- Is not a subject to corrosion.
- Main frame of construction and a frame of a panel are made of the aluminum shape.
- Fixing to the mounting place is carried out by means of screws.
- Other sizes can be manufactured according to special requirements.

Overall dimensions

Article	AxB
LP1515U	150x150
LP1520U	150x200
LP2020U	200x200
LP2030U	200x300
LP2040U	200x400
LP2525U	250x250
LP3030U	300x300
LP3040U	300x400
LP3050U	300x500
LP3060U	300x600

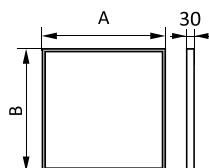
Overall dimensions

Article	AxB
LP4040U	400x400
LP4050U	400x500
LP4060U	400x600
LP5050U	500x500
LP5060U	500x600
LP50100U	500x1000
LP6060U	600x600
LP6080U	600x800
LP60100U	600x1000
LP60120U	600x1200

Mounted by



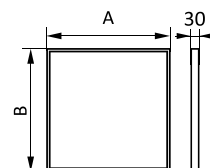
Screws



Mounted by



Screws



LPK



Hatches for colouring and wall paper coatings

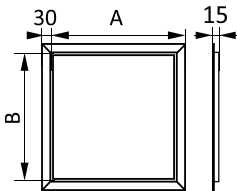
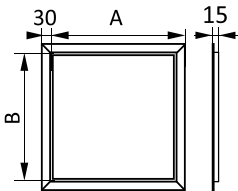
- Hidden revision hatch for access to the hidden engineering communications.
- Intended for installation in constructions from gypsum cardboard in a wall.
- Surface of a door is specially prepared for painting by acrylic, water dispersing colors or hang of wall-paper.
- Painted or covered by wallpaper under an interior layout.
- Hatch door is filled with damp proof gypsum cardboard.
- Special mechanical lock provides reliable fixing of a door.
- Opens and closes by easy pressure.
- Is not a subject to corrosion.
- Main frame of construction and a frame of a panel are made of the aluminum shape.
- Fixing to the mounting place is carried out by means of screws.
- Other sizes can be manufactured according to special requirements.

Overall dimensions

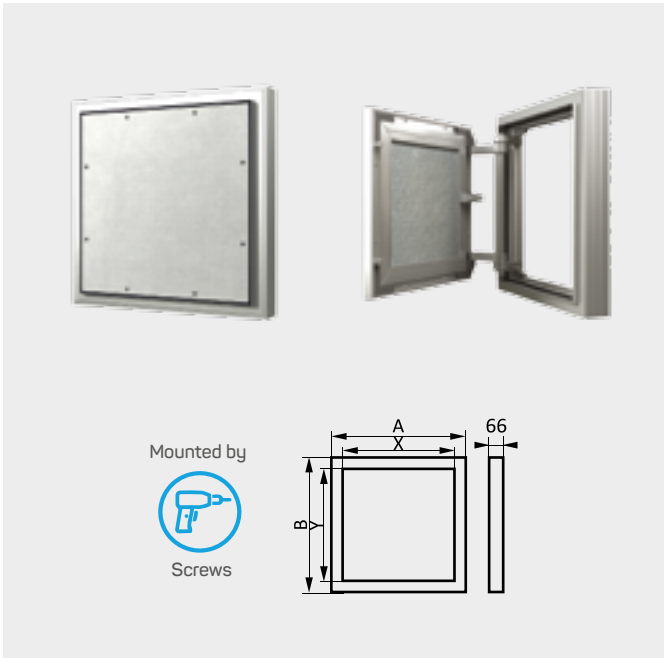
Article	AxB
LP1515K	150x150
LP1520K	150x200
LP2020K	200x200
LP2030K	200x300
LP2040K	200x400
LP2525K	250x250
LP3030K	300x300
LP3040K	300x400
LP3050K	300x500
LP3060K	300x600

Overall dimensions

Article	AxB
LP4040K	400x400
LP4050K	400x500
LP4060K	400x600
LP5050K	500x500
LP5060K	500x600
LP50100K	500x1000
LP6060K	600x600
LP6080K	600x800
LP60100K	600x1000
LP60120K	600x1200



D CERAMO COMFORT



Revision sanitaryware hatches under tile

- Hidden revision hatch.
- «Hidden» mounting for esthetic look.
- For access to the hidden engineering communications.
- Intended for installation in a wall.
- Main frame of construction and a frame of a panel are made of the aluminum shape.
- Reliable reinforced cast loop.
- Hinged door with frontal opening.
- Hatch door is filled with gypsum-filament.
- A possibility of hatch door regulation in 3 directions.
- Opens and closes by easy pressure.
- Special mechanical lock provides reliable fixing of a door.
- A rubber gasket in a hatch frame protects against dust and moisture, and also engineering communications under the hatch.
- Hatch door can be finished by tile, natural and artificial stone, mirrors, etc.
- Is not a subject of corrosion.
- Small weight, easy mounting.
- Fixing to the place of mounting place of screws.
- Other sizes can be manufactured according to special requirements.

Overall dimensions

Article	AxB	XxY
D2030 CERAMO COMFORT	200x300	150x250
D2040 CERAMO COMFORT	200x400	150x350
D3030 CERAMO COMFORT	300x300	250x250
D3040 CERAMO COMFORT	300x400	250x350
D3050 CERAMO COMFORT	300x500	250x450
D3060 CERAMO COMFORT	300x600	250x550
D3070 CERAMO COMFORT	300x700	250x650
D3080 CERAMO COMFORT	300x800	250x750
D3090 CERAMO COMFORT	300x900	250x850
D30100 CERAMO COMFORT	300x1000	250x950
D4030 CERAMO COMFORT	400x300	350x250
D4040 CERAMO COMFORT	400x400	350x350
D4050 CERAMO COMFORT	400x500	350x450
D4060 CERAMO COMFORT	400x600	350x550
D4070 CERAMO COMFORT	400x700	350x650
D4080 CERAMO COMFORT	400x800	350x750
D4090 CERAMO COMFORT	400x900	350x850

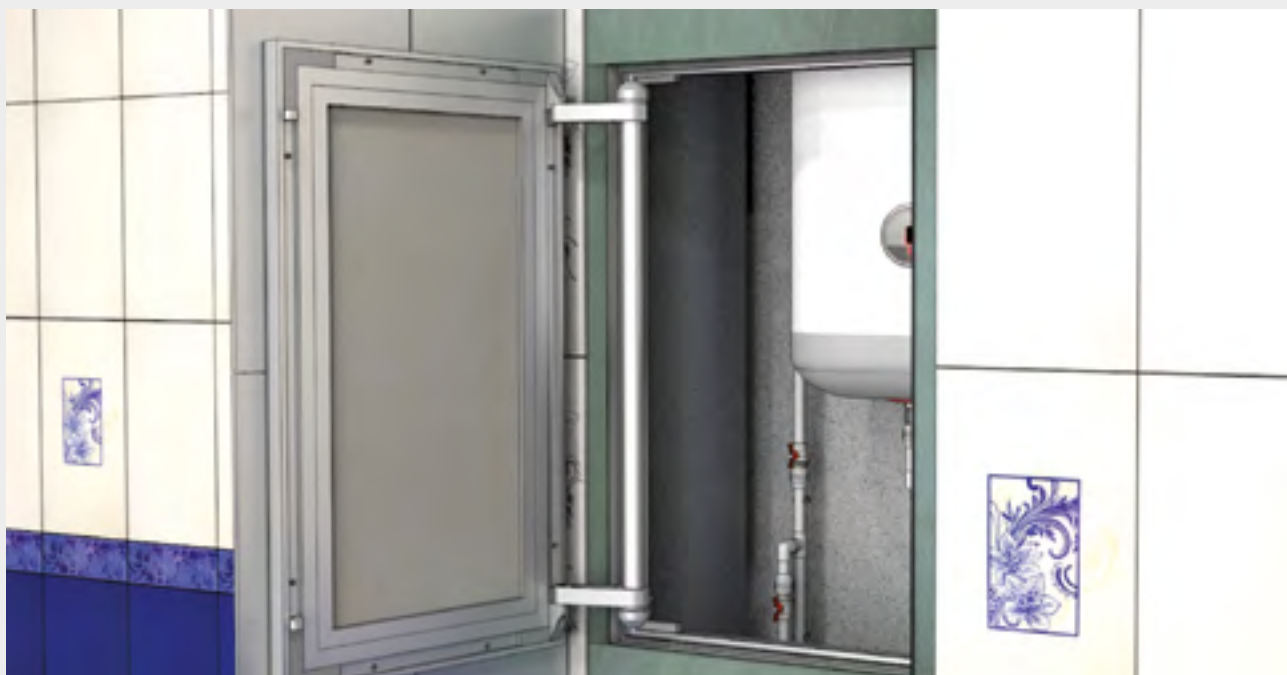
Overall dimensions

Article	AxB	XxY
D40100 CERAMO COMFORT	400x1000	350x950
D5040 CERAMO COMFORT	500x400	450x350
D5050 CERAMO COMFORT	500x500	450x450
D5060 CERAMO COMFORT	500x600	450x550
D5070 CERAMO COMFORT	500x700	450x650
D5080 CERAMO COMFORT	500x800	450x750
D5090 CERAMO COMFORT	500x900	450x850
D50100 CERAMO COMFORT	500x1000	450x950
D50120 CERAMO COMFORT	500x1200	450x1150
D6040 CERAMO COMFORT	600x400	550x350
D6050 CERAMO COMFORT	600x500	550x450
D6060 CERAMO COMFORT	600x600	550x550
D6070 CERAMO COMFORT	600x700	550x650
D6080 CERAMO COMFORT	600x800	550x750
D6090 CERAMO COMFORT	600x900	550x850
D60100 CERAMO COMFORT	600x1000	550x950
D60120 CERAMO COMFORT	600x1200	550x1150

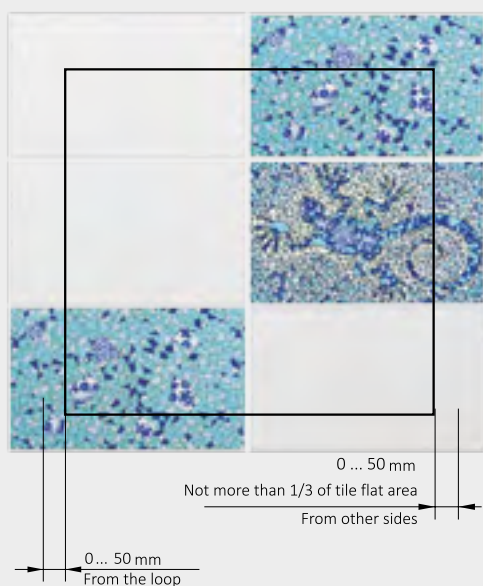
D CERAMO COMFORT

Revision sanitaryware hatches under tile

Examples of mounting



Tile configuration diagram



When calculating the tile overlay scheme, it is necessary to consider two points:

- From the loop, tile can be oversailed up to 50 mm.
- From all other sides it can be oversailed up to 50 mm, but not more than 1/3 of tile flat area.

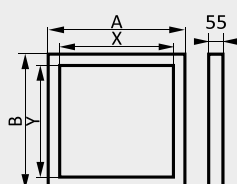
D CERAMO COMFORT



Mounted by



Screws



Revision sanitaryware hatches under tile

- Hidden revision hatch.
- For access to the hidden engineering communications.
- Intended for installation in constructions from gypsum cardboard in a wall.
- Surface of a door is specially prepared for painting by acrylic, water dispersing colors or hang of wall-paper.
- Painted or covered by wallpaper under an interior layout.
- Hatch door is filled with gypsum-filament.
- Opens and closes by easy pressure.
- Special mechanical lock provides reliable fixing of a door.
- Is not a subject of corrosion.
- Main frame of construction and a frame of a panel are made of the aluminum shape.
- Fixing to the mounting place by means of screws.
- Other sizes can be manufactured according to special requirements.

Overall dimensions

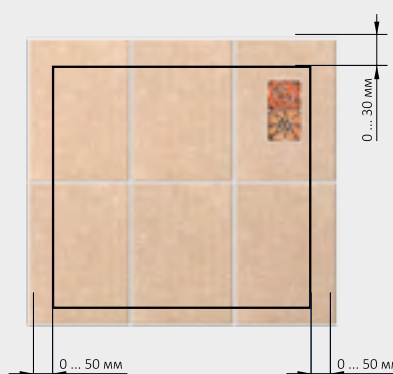
Article	AxB	XxY
D2020 CERAMO COMFORT	200x200	170x170
D2030 CERAMO COMFORT	200x300	170x270
D2040 CERAMO COMFORT	200x400	170x370
D2525 CERAMO COMFORT	250x250	220x220
D2040 CERAMO COMFORT	250x400	220x370
D3020 CERAMO COMFORT	300x200	270x170
D3030 CERAMO COMFORT	300x300	270x270
D3040 CERAMO COMFORT	300x400	270x370
D3050 CERAMO COMFORT	300x500	270x470
D3060 CERAMO COMFORT	300x600	270x570
D4020 CERAMO COMFORT	400x200	370x170
D4030 CERAMO COMFORT	400x300	370x270
D4040 CERAMO COMFORT	400x500	350x450
D4050 CERAMO COMFORT	400x600	350x550
D4060 CERAMO COMFORT	400x700	350x650
D5030 CERAMO COMFORT	400x800	350x750
D5040 CERAMO COMFORT	400x900	350x850
D5050 CERAMO COMFORT	500x500	470x470
D5060 CERAMO COMFORT	500x600	470x570
D6030 CERAMO COMFORT	600x300	570x270
D6040 CERAMO COMFORT	600x400	570x370
D6050 CERAMO COMFORT	600x500	570x470
D6060 CERAMO COMFORT	600x600	570x570

Dismountable door



Revision hatches under tile with a dismountable door used when there is an obstacle in front of audit opening (sink, bath, bidet, washing machine). Hatch door is opened by pressing its upper part at an angle and held in the bottom part of the hatch on the steel pins. The door with tile coating is removed from the base frame and set apart, for that it is necessary to lift it up carefully and remove from the rails of steel supports.

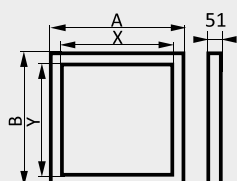
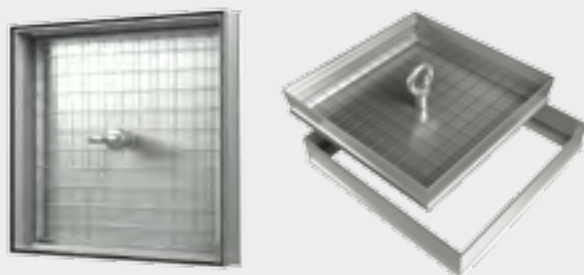
Tile configuration diagram



When calculating the tile overlay scheme, it is necessary to consider two points:

- From the loop tile should be placed end-to-end.
- From lateral sides it can be oversailed up to 50 mm, and up to 30 mm from the top.

D CERAMO COMFORT



Revision sanitaryware hatches under tile

- Hidden revision hatch.
- «Hidden» mounting for esthetic look.
- For access to the hidden engineering communications.
- Main frame of construction and a frame of a panel are made of the aluminum shape.
- Hatch lid is made in the form of a rectangular container with reinforced mesh for concrete filling.
- After casting of the hatch lid, any decorative covering can be laid on it.
- A rubber gasket in a hatch frame protects against dust and moisture, and also engineering communications under the hatch.
- Opening of the hatch lid happens by means of eyebolt.
- Fixing of the hatch lid is caused by its own weight.
- Is not a subject of corrosion.
- Small weight, easy mounting.
- Other sizes can be manufactured according to special requirements.

Overall dimensions

Article	AxB	XxY
D2020 FLOOR	200x200	140x140
D3030 FLOOR	300x300	240x240
D3040 FLOOR	300x400	240x340
D4040 FLOOR	400x400	340x340
D5050 FLOOR	500x500	440x440
D6060 FLOOR	600x600	540x540
D6080 FLOOR	600x800	540x740
D6090 FLOOR	600x900	540x840
D7070 FLOOR	700x700	640x640
D8080 FLOOR	800x800	740x740

Decorative plug fitting



Decorative plug fitting mounted flush with the floor surface, and does not interfere in daily life. To gain access to the audit space an eyebolt is twisted in the plug fitting place (included). For oversize hatches several pieces are intended.

Example of mounting



Mesh reinforcement



Mesh reinforcement allows qualitatively filling with concrete or other similar construction material and reliable fixing of the flooring.



Blagovna znamka: AKVAVENT™

AKVA2012 d.o.o.

Ruška cesta 7, 2000 Maribor, Slovenia

Tel: +386 (51) 671 314

E-mail: info@akva2012.si

www.akva2012.si

