

vent fs
ventilation system

Product catalog



About the Company

It is our mission is to develop and manufacture the most beautiful and the best ventilation grilles, satisfying the needs of our customers. Our competitive advantage is a highly experienced and engaged team of professionals focused on fulfilling your orders in the most reliable way.

Fasada System was established in 2000 and ever since has been manufacturing plastic elements for the construction industry. In 2018 we have extended our offer to ventilation systems. The fact that we have gained recognition of our customers, who entrusted our experience and products' quality, is proven by multiple prizes and awards:

- 2017 – Economic Award of the Łódź Region in the “Export Dynamics” category
- 2012 – Economic Award of the Łódź Region
- 2012 – Golden distinction “Zasłużony dla Budownictwa”
(Distinguished in the Construction Industry)
- 2009 – Gold Medal of the “Interbud” Trade Fair
- 2008 – Economic Award of the Łódź Region
- 2007 – The Award of the Mayor of Łódź for the best Łódź product

Check us out! - The Fasada System Team

About Ventilation

Ventilation, also called air circulation, is an exchange of air between rooms and the space outside the rooms. Efficient ventilation is necessary in facilities used by people and animals. Ambient air, coming through dedicated air supply elements such as windows, window ventilators, vents or grilles, pushes out the used air, which is sucked away by ventilation channels, by means of pressure differences.

Good ventilation of a building ensures the wellbeing of people and animals inside it. Properly designed ventilation system prevents inner walls from getting moist and develop fungus, which is especially important for people suffering from allergy. Systems most frequently used in our geographic region are gravity and hybrid ventilation systems, the latter combining the two systems and using them depending on the fresh air demand and external weather conditions.

Grilles and vents are decorative finishing elements of ventilation channels. We offer a wide range of high-quality wall-mounted products for standard round channel diameters: 100, 125, and 150 mm, which we provide in several basic colors, adjusted to the requirements of our customers.

The VENT FS ventilation system we manufacture complies with all safety requirements and has the approvals and certificates required by the law. The high-quality material we use is UV resistant.

Air vents

These are parts of a ventilation system mounted on the ceiling, which allow for air intake to the room (supply air vents) and exhaust from the room (exhaust air vents). They may be used together with forced circulation system. In our air vents the flow of air can be adjusted. The basic color is white. On customer's request we provide the following colors*.



white

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1

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Name	Outlet diameter	Product ref no.
Supply air vent white (1)	100 mm	1ABN100
	125 mm	1ABN125
Supply air vent white with a collar	100 mm	1AKN100
	125 mm	1AKN125



white

*

1

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Name	Outlet diameter	Product ref no.
Exhaust air vent white (1)	100 mm	1ABW100
	125 mm	1ABW125
Exhaust air vent white with a collar	100 mm	1AKW100
	125 mm	1AKW125

Ventilation grilles

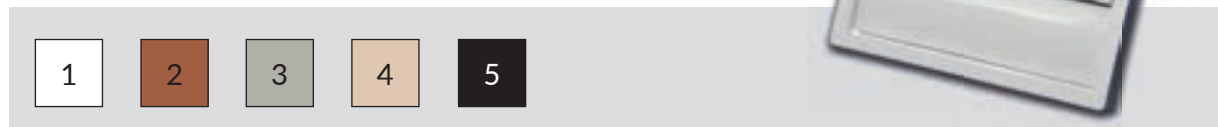
They serve as decorative and functional endings of ventilation channels. On the back side they have an insect net. They are suitable for any kind of facilities used by people and animals.

Colors:

white brown gray beige black



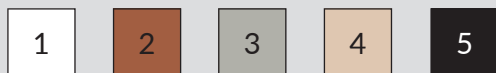
Square grilles



Name	Outlet diameter	External dimensions	Index
External exhaust grille with round outlet	100 mm	140x140 mm	KZ100
	125 mm	183x183 mm	KZ125
	150 mm	183x183 mm	KZ150



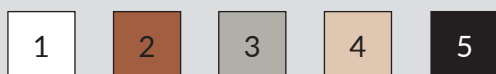
Name	Outlet diameter	External dimensions	Index
Adjustable exhaust grille with round outlet	100 mm	140x140 mm	KKR100
	125 mm	183x183 mm	KKR125
	150 mm	183x183 mm	KKR150



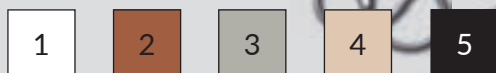
Name	Outlet diameter	External dimensions	Index
Non-adjustable exhaust grille with round outlet	100 mm	140x140 mm	KK100
	125 mm	183x183 mm	KK125
	150 mm	183x183 mm	KK150

Surface exhaust grilles

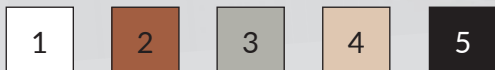
All surface grilles are supplied with a set of mounting bolts.



Name	Outlet diameter	External dimensions	Index
Surface exhaust grille	140x140 mm	150x150 mm	KK150x150



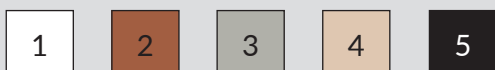
Name	Outlet diameter	External dimensions	Index
Adjustable surface exhaust grille	112x172 mm	140x210 mm	KPR140
Non-adjustable surface exhaust grille	112x172 mm	140x210 mm	KP140



The airflow in the grille is adjusted by means of a sliding panel.

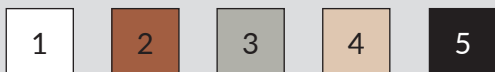
Name	Outlet diameter	External dimensions	Index
Non-adjustable door grille	113x318 mm	132x337 mm	KN113
Adjustable door grille	113x318 mm	132x337 mm	KNR113

Round grilles



Name	Outlet diameter	External diameter	Index
Exhaust grille	100 mm	125 mm	KO100
	125 mm	150 mm	KO125
	150 mm	175 mm	KO150
	160 mm	196 mm	KO160
	200 mm	236 mm	KO200

The airflow in the grille is adjustable, and in its back part there are steplessly adjusted holders for round channels.



Name	Outlet diameter	External diameter	Index
Surface exhaust grille	100 - 150 mm	156 mm	KOR100-150

Window ventilation grilles

They are mounted in the window frames or below the windows for ventilation purposes. Air flow in such grilles is adjustable. Another grille version has a telescopic connection facilitating grille adjustment to the window frame thickness. They have assembly holes and are supplied with a set of mounting bolts.



Name	External dimension	Index
Adjustable grille	368 mm	KOR368
Adjustable grille with a telescopic connection	368 mm	KORT368

Telescopic wall vents

A set for supply wall ventilation which includes: an external grille, a telescopic pipe and an internal vent. Due to the telescopic pipe the wall vent can be adjusted to wall of any thickness. The internal vent has airflow adjustment and is noise-dampened with a special sound-absorbing foam. It is most suitable for residential, industrial and public facilities requiring continuous air circulation.



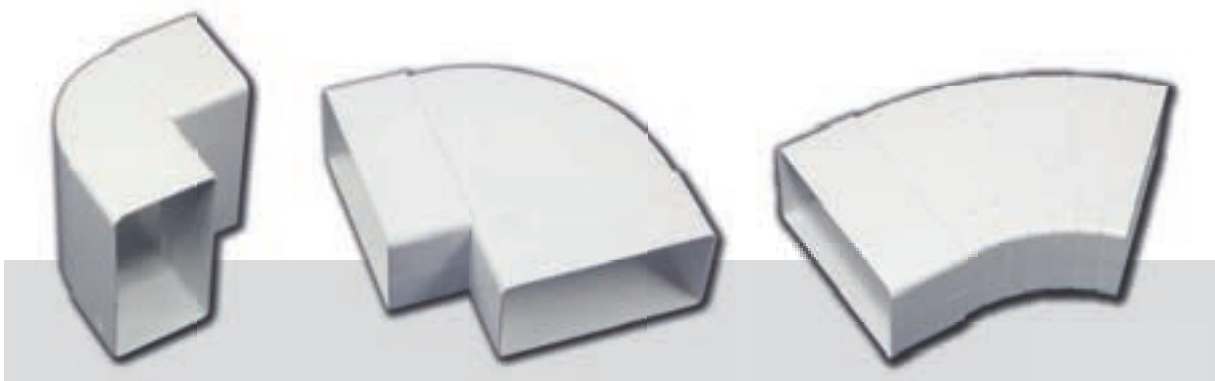
Name	Channel diameter	Index
Futura 2001 set	100 mm	KOR368

100mm diameter round channels system

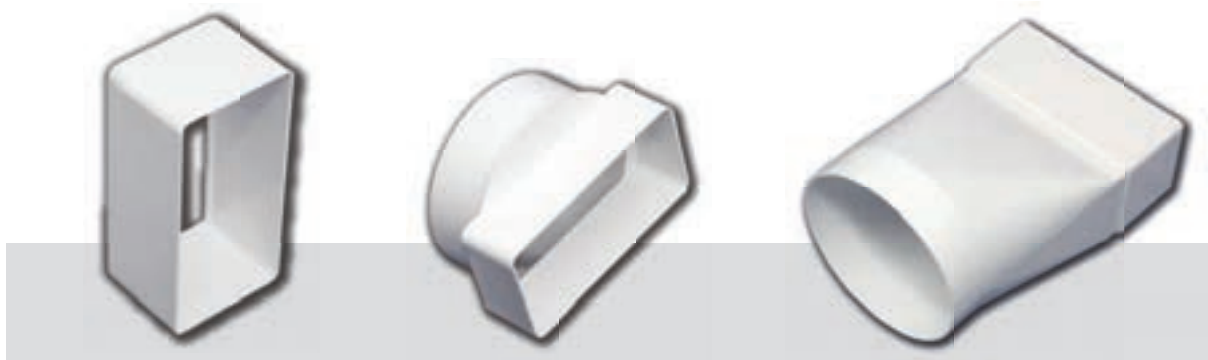


Name	Diameter/angle	Index
Elbow	100 mm/60°	CKO100/60
	100 mm/90°	CKO100/90
Tee	100 mm/60°	CTO 3x100

Flat channels system



Name	Dimensions/angle	Index
Vertical elbow	110x55 mm/90°	CKP2x110x55
Horizontal elbow	110x55 mm/90°	CKH2x110x55
Multi-angle elbow	110x55 mm	CKW2x110x55



Name	Diameter/dimensions	Index
Flat channel connector	110x55 mm	CVP110x55
Variable cross-sections connector, short	100/110x55 mm	CZK100/110x55
Variable cross-sections connector, long	100 mm/90°	CZD100/110x55



Name	Diameter/angle	Index
Flat tee	110x55 mm	CTP3x110x55
Connecting elbow	100/110x55 mm/90°	CKZ100/110x55
Connecting elbow	104/110x55 mm/90°	CKZ100/110x55

Accessories



Name	Diameter/dimension	Index
Wall flange	100 mm	UKO100
Adjustable wall flange	100/104 mm	COP100/104
Wall flange with a damper	110x55x104 mm	CZP110x55x104
Rectangular wall flange	110x55 mm	UKP110x55x2



Name	Diameter/angle/ dimensions	Index
Round mounting holder	100 mm	UMO100
	104 mm	UMO104
Square mounting holder	110x55 mm	UMP110x55

Channel ventilators

They are used to mechanically enforce air circulation or to increase the air flow in order to speed up the process of removing stale air.



Name	Outlet diameter	Max. air flow - power	Index
Channel ventilator	100/100 mm	150 m ³ /h - 15W	WK100/150
	150/150 mm	330 m ³ /h - 18W	WK150/330

Technical specifications

The results of tests performed in laboratory conditions make it possible to choose the right grille or vent for residential and utility facilities. On request we can provide our customers with diagrams of the parameters presented in the tables below.

The VENT FS system of grilles and air vents makes it possible to shape the rooms' ventilation conditions in various ways, allowing for comfortable and consistent way of constructing ventilation systems in a human- and animal-friendly way.

Technical specifications of ventilation grilles at the air speed of 0.2 m/s

Grille name	KO100	KO125	KO150	KO160	KO200	KK100	KK125	KK150	KZ100	KZ125	KZ150	KPR140
transverse width/diameter (mm/mm ²)	600	500	500	200	300	600	200	350	300	350	400	400
capacity (m ³ /h)	45	48	50	51	55	45	55	50	47	65	98	60
equivalent cross-section (cm ²)	24,5	38,3	54,5	73	98,3	27,75	43,4	67,7	x	x	x	93
sound pressure level 3m from the source (dB)	24,5	25	26	26,5	27	19,5	20,5	21	17	17,5	18	20

Grille name	KKR100	KKR125	KKR150	KOR150	KP140	KPO140	KN113	KNR113	KOR368	KORT368	FUTURA
transverse width/diameter (mm/mm ²)	400	400	400	400	200	200	320	300	400	400	300
capacity (m ³ /h)	35	54	78	55	60	40	85	72	27	30	37
equivalent cross-section (cm ²)	x	x	x	37	67,7	25,3	115	63,7	16,3	16,3	31,3
sound pressure level 3m from the source (dB)	22	22,5	24,5	20	20,5	19,5	24,5	22	23,5	24,5	16,5

Technical specifications of air vents at the air speed of 0.2 m/s

Article name	ABW100	ABW125	ABN100	ABN125	AKW100	AKW125	AKN100	AKN125
air vent supply capacity (m ³ /h)	35	33	34	43	34	44	35	33
opening (mm)	7	5,5	7	10	7	10	7	5,5
noise (dB)	21	21,5	20	20,5	20,5	21,5	20,5	20,5

NARODOWY INSTYTUT ZDROWIA PUBLICZNEGO
 - Państwowy Zakład Higieny

Zakład Bezpieczeństwa Zdrowotnego Środowiska

ATEST HIGIENICZNY BK/K/0610/01/2018
 HYGIENIC CERTIFICATE ORIGINAL

NATIONAL INSTITUTE OF PUBLIC HEALTH – NATIONAL INSTITUTE OF HYGIENE

Wyrób / product: Elementy systemu wentylacji grawitacyjnej "VENT FS" serii: KK, KO, KOR, KZ, KKR, KP, KPR, KN, KNR, ABN, AKN, ABW, AKW oraz kanałów okrągłych i płaskich

Zawierający / containing: ABS i inne składniki wg dokumentacji producenta

Przeznaczony do / destined: stosowania w systemach wentylacyjnych w środowisku domowym, w obiektach użyteczności publicznej, zakładach usługowych, obiektach służby zdrowia

Wymieniony wyżej produkt odpowiada wymaganiom higienicznym przy spełnieniu następujących warunków / the above-named product is acceptable according to hygienic criteria with the following conditions:
 Atestowane elementy muszą być zgodne z przepisami dotyczącymi pomieszczeń i obiektów, w których są one montowane.
 Zastosowanie wyrobu musi być zgodne z przepisami dotyczącymi obiektu, w którym są one montowane oraz z aktualnie obowiązującym rozporządzeniem Ministra Infrastruktury w sprawie warunków technicznych, jakim powinny odpowiadać budynki i ich usytuowanie

Atest Higieniczny nie dotyczy parametrów technicznych, właściwości fizycznych, właściwości mechanicznych i właściwości chemicznych.
 Hygienic certificate does not apply to technical parameters, usage values and allergenic properties of the product

Wydawca / producer: FASADA SYSTEM Sp. z o.o.
 51-341 Łódź
 ul. Brukowa 23

Niniejszy dokument wydano na wniosek i this certificate issued for: FASADA SYSTEM Sp. z o.o.
 51-341 Łódź
 ul. Brukowa 23

Atest może być zmieniony lub unieważniony po przedstawieniu stosownych dowodów przez któregokolwiek stronę. Niniejszy atest traci ważność po 2023.08.23 lub w przypadku zmian w recepturze albo w technologii wytwarzania wyrobu.

The certificate may be corrected or cancelled after appropriate motivation. The certificate loses its validity after 2023.08.23 or in the case of changes in composition or in technology of production.

Data wydania atestu higienicznego: 23 sierpnia 2018
 The date of issue of the certificate: 23rd August 2018

Z up. Marcin Sank
 dr hab. Jolanta Sank, prof. NIZP-PZH
 Zakład Bezpieczeństwa Zdrowotnego Środowiska

Kontakt w sprawie niniejszego atestu higienicznego / To contact regarding this hygienic certificate:
 Zakład Bezpieczeństwa Zdrowotnego Środowiska NIZP-PZH / Department of Environmental Health and Safety NIZP-PZH
 00-791 Warszawa, ul. Chocimska 24 / 00-791 Warszawa, Chocimska 24, Poland
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Fasada System®

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 NIP 947-16-96-521 Regon 47332958 KRS no.: 0000711793 e-mail: fasada@fasadasytem.pl
 Account: PKO BP Branch 6 Account no. 48 1020 3408 0000 4502 0235 6178

Łódź, 2018-07-01

DECLARATION OF CONFORMITY No. 2018-07-01/1

1. Manufacturer:	„Fasada System” Sp. z o.o. 91-341 Łódź ul. Brukowa 23 Poland
2. Product name:	Ventilation grille series “KK”; “KO”; “KOR”; “KZ”; “KKR”; “KP”; “KPR” and air vents series “ABN”; “AKN”; “ABW”; “AKW”
3. Type of material:	ABS modified with UV resistant pigments and stabilizers; modified polystyrene with UV resistant stabilizers
4. Product classification:	PKWiU 25.23.15-50.91
5. Purpose and application:	Ventilation grilles and air vents described in point 2 are intended for decorative encasing of air holes in residential and public facilities including health care and education facilities.
6. Reference documents:	Product Liability Law of 12.12.2003. Prepared pursuant to: Journal of Laws of 2003 No. 229, item 2275 of 2007 No. 35, item 215. The regulations of the Act implement the provisions of the Directive 2001/95/EC of the European Parliament and of the Council of 3rd December 2001 on general product safety (Journal of Laws EC No. L 11/4).
7. Batch of product under this declaration:	serial number and date of manufacturing on the bulk package

I hereby declare that products from the batch of products described in point 7 comply with the reference documents described in point 6.

For and on behalf of Fasada System Sp. z o.o.
 Marek Górzczak – President of the Management Board

Innovative solutions are our specialty.

Notes:



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