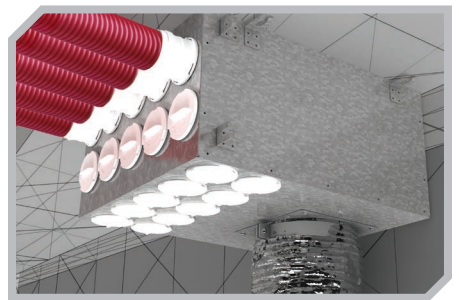
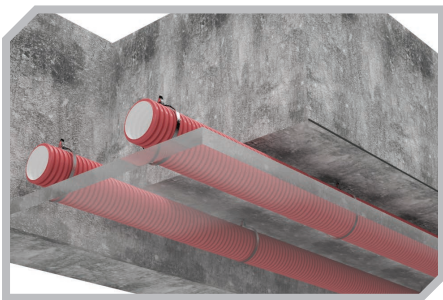
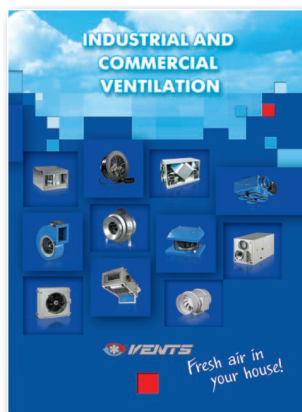


FlexiVent

SEMI-RIGID AIR DUCTS

SYSTEM 90





Industrial and commercial ventilation (Catalogue no. 1)

Industrial and commercial ventilation components - fans for round and rectangular ducts, sound-insulated, axial and roof fans, air handling units with heat recovery, air heating units, accessories.



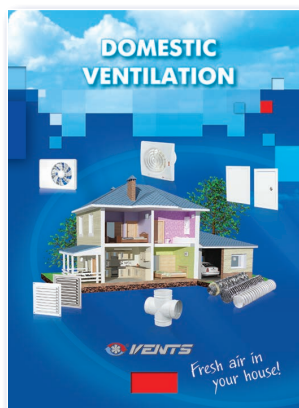
Energy saving ventilation Air handling units (Catalogue no. 2)

Energy saving supply and exhaust units and air handling units with heat recovery with air capacity up to 6500 m³/h.



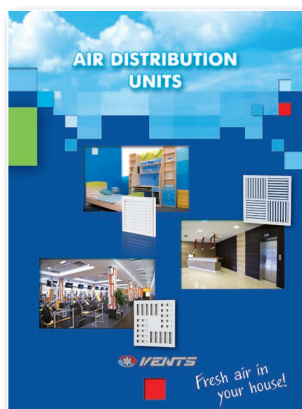
Smoke extraction and ventilation (Catalogue no. 5)

Smoke protection systems of buildings and premises.



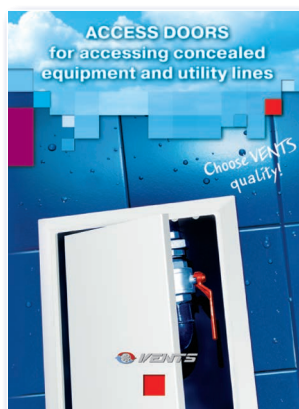
Domestic ventilation (Catalogue no. 6)

Domestic ventilation: fans, mono-pipe exhaust kitchen and bathroom fans, air distribution units, air ducts and fittings, access doors, ventilation kits.



Air distribution units (Catalogue no. 9)

Plastic and metal air distribution products (grilles, disk valves, diffusers, etc.) for ventilation, air conditioning and heating.



Access doors (Catalogue no. 10)

Plastic and metal access doors for accessing concealed equipment and utility lines. Special offers for ceramic tiles.



Spirally wound ducts (Catalogue no. 13)

SPIROVENT spiral seam vent ducts and fittings of 100 to 1600 mm diameter.



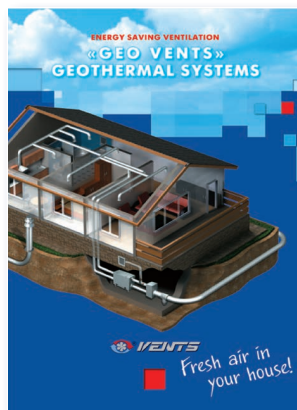
Flexible ducts and fittings for ventilation, air conditioning and heating (Catalogue no. 14)

Flexible and semi-flexible air ducts made of polymeric materials, aluminium, galvanized or stainless steel, metal fittings for ventilation, air conditioning, heating, gas handling and abrasive particles aspiration.



Air handling units AirVENTS (Catalogue no. 3)

Energy saving air handling units with air capacity up to 40 000 m³/h, for use in large residential, industrial and commercial objects.



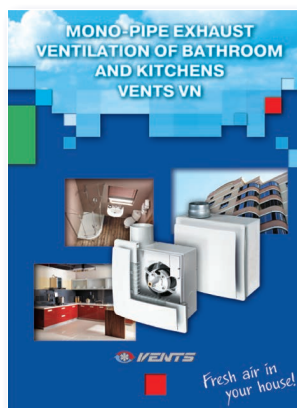
Energy saving ventilation Geothermal systems GEO VENTS (Catalogue no. 4)

Energy saving system GEO VENTS with use of the earth's surface layers heat. High ventilation system energy efficiency and low operating costs.



Domestic fans (Catalogue no. 7)

Domestic fans with air capacity up to 365 m³/h with extra functions: timer, humidity sensor, motion sensor, etc. Applied for premises up to 30 m².



VENTS VN Mono-pipe exhaust ventilation (Catalogue no. 8)

Exhaust ventilation in houses with mono-pipe ventilation system based on VENTS VN fans.



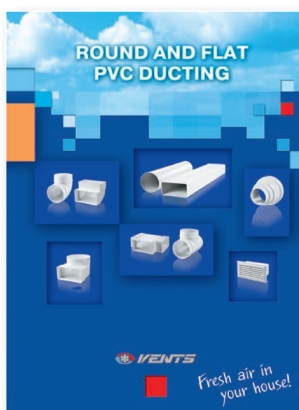
Energy saving ventilation. Single room energy recovery ventilators MICRA. (Catalogue no.11)

MICRA single room ventilators with energy regeneration for efficient ventilation and lowest investments in ready-built and brand new premises.



VENTS presentation catalogue (Catalogue no.12)

VENTS mission is to bring fresh air to your house and surround you with the world of comfortable microclimate.



Round and flat PVC ducting (Catalogue no. 15)

Flat and round PVC ducts PLASTIVENT for ventilation of residential, office and commercial premises and connection of exhaust ventilation equipment (kitchen extractors, hoods, exhaust boxes, etc). Wide product range of fittings.

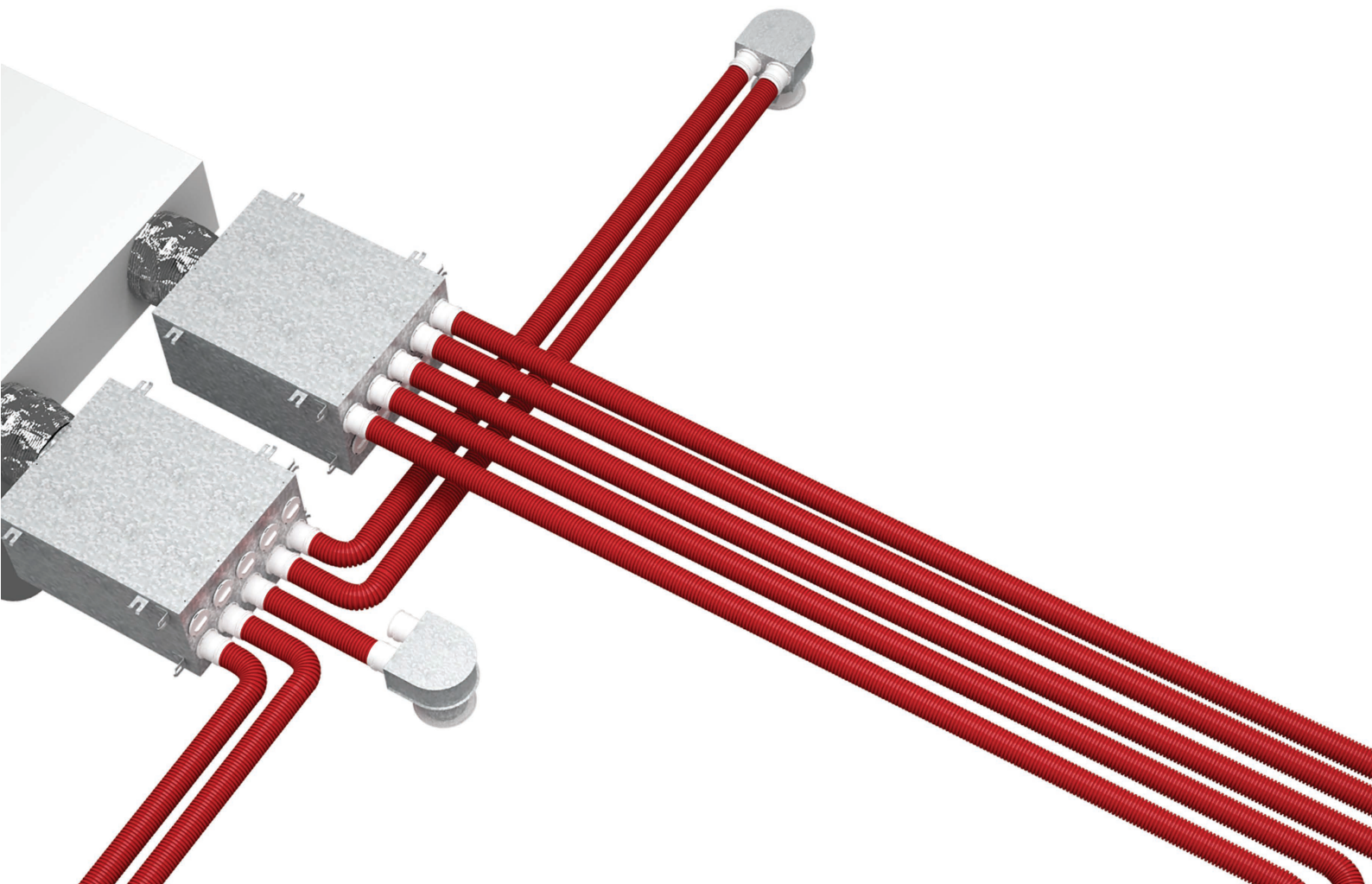


Energy saving ventilation. Single room energy recovery ventilators TwinFresh. (Catalogue no.16)

Single room reverse ventilators with energy regeneration TwinFresh for efficient ventilation and lowest investments in ready-built and brand new premises.

Contents

What are semi-rigid air ducts?.....	6
Advantages and key features	8
Typical configurations	10
Scroll Products	32



What are semi-rigid air ducts?

FLEXIVENT SEMI-RIGID PLASTIC AIR DUCTS – A FLEXIBLE SOLUTION FOR YOUR HOME

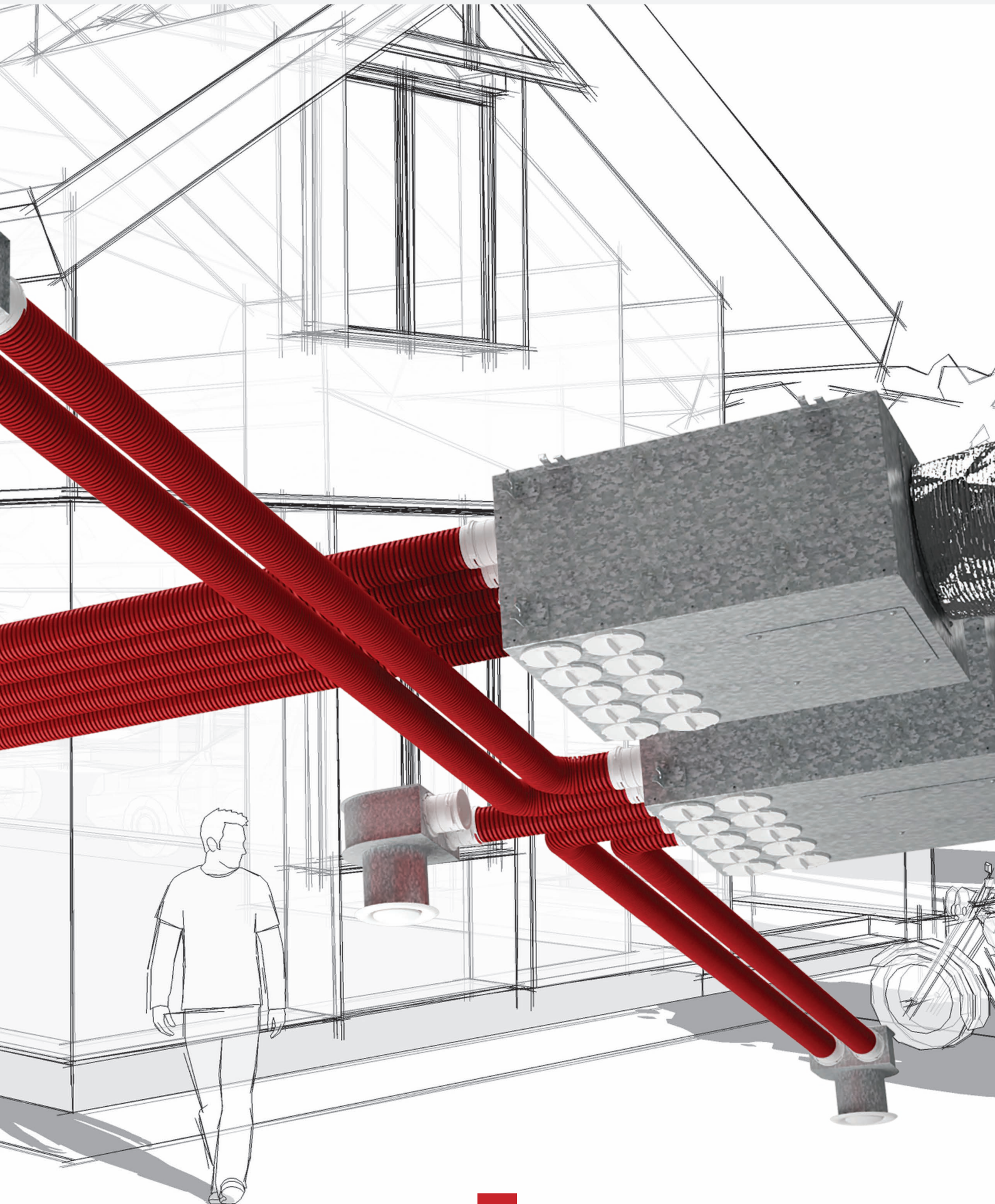
The FlexiVent modular air distribution system utilizes compact round air ducts 90 mm in diameter. The ducts are made of sturdy impact resistant plastic. FlexiVent components can be used to build an energy-saving ventilation system for a house or flat quickly and easily. The system is suitable for both newly built or retrofitted spaces. The air ducts can be integrated into floors, walls or ceilings.

FLEXIVENT – ENERGY-SAVING VENTILATION FOR YOUR HOME

The FlexiVent system is designed to be used with air handling units. Ventilation air is transported and cleaned by the air handling unit which also ensures the transfer of extract air heat to the supply air stream. The VENTS FlexiVent system is intended to ensure proper distribution of the ventilation air among the spaces.

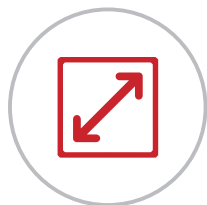
*Flexible ducts and multifunctional fittings
make installation simple and quick*

FlexiVent



Advantages and key features

FLEXIVENT KEY ADVANTAGES:



- ▶ Compact footprint: the system can be adapted to custom ceiling configurations with intricate design and integrated with heated floors.



- ▶ Low noise levels.



- ▶ The material and shape of the semi-rigid ducts help them sustain high external loads such as the pressure produced by cement screed.



- ▶ Improved interior aesthetics: the ventilation lines are hidden under floors while the floor grilles, the only visible elements, provide air supply and extraction.

Unlike a conventional air ducting system only suitable for under-the-ceiling mounting the FlexiVent system offers much broader functionality. Air ducts can be hidden under suspended ceilings or embedded into walls and floors. In addition to the ease of installation the system offers significant cost savings

Each ventilation system must be designed and configured with components based on the applicable local constructions norms and regulations*.

		Air flow rate [m ³ /h]	Air changes per hour
Entire flat	—	—	0.4 — 1
Per person	—	30	—
Bathrooms and toilets	—	—	—
—	Permanent ventilation	60	—
—	Periodic ventilation > 12 hours	45	—
Toilet	—	—	—
—	Permanent ventilation	30	—
—	Periodic ventilation > 12 hours	25	—
Kitchen	—	—	—
—	Permanent ventilation	60	—
—	Periodic ventilation > 12 hours	45	—

*Recommendations on air exchange in residential buildings as per DIN 1964.6 and DIN 18017.3

FLEXIVENT – MORE COMFORT AT A LOWER COST:



- ▶ No air leakages.



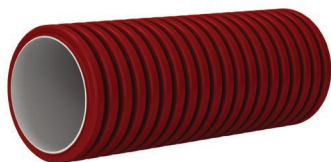
- ▶ Smooth inner surface makes maintenance easy.



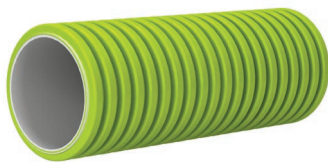
- ▶ Quick and simple assembly thanks to the flexible ducts and multifunctional fittings – no special tools and qualification required.



Technical specification



**Round duct
(0190)**



**Round duct with antibacterial and
antistatic treatment (010190)**



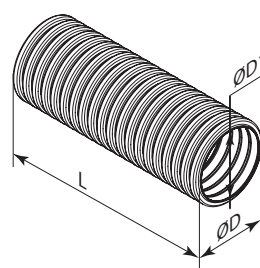
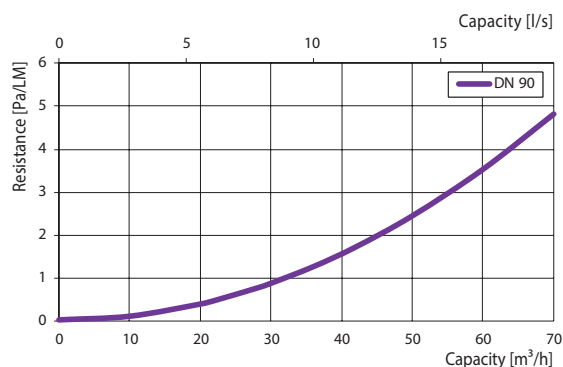
**Round duct with antistatic treatment
(010290)**

Made of high-density polyethylene (HDPE). The bend radius is 180 mm. Circular density 8 kN/m² as per EN ISO 9969.
Operating temperature: from -20 to +60 °C. Smooth inner surface for low air resistance and easy cleaning.

Application: supply or exhaust ventilation systems of residential spaces.

Rated air duct diameter		DN 90		
Air speed through the cross-section [m/s]		2	2.5	3
1 duct – capacity [m ³ /h]		36	42	50
2 ducts – capacity [m ³ /h]		70	84	101
		Duct resistance [Pa]		
Duct length [m]	2	2.5	3.4	5.1
	4	5.0	6.8	10.4
	6	7.5	10.2	15.6
	8	10.0	13.6	20.8
	10	12.5	17.0	26.0
	12	15.0	20.4	31.2
	14	17.5	23.8	36.4
	16	20.0	27.2	41.6
	18	22.5	30.6	46.8

Model	ØD [mm]	ØD1 [mm]	L, m
FlexiVent 01905000 (round duct)	90	76.5	50
FlexiVent 0101905000 (round duct with antibacterial and antistatic treatment)	90	76.5	50
FlexiVent 0102905000 (round duct with antistatic treatment)	90	76.5	50
FlexiVent 0190200 (round duct)	90	76.5	20
FlexiVent 010190200 (round duct with antibacterial and antistatic treatment)	90	76.5	20
FlexiVent 010290200 (round duct with antistatic treatment)	90	76.5	20





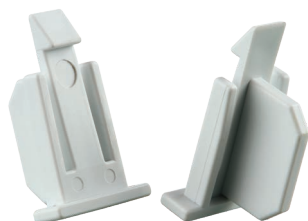
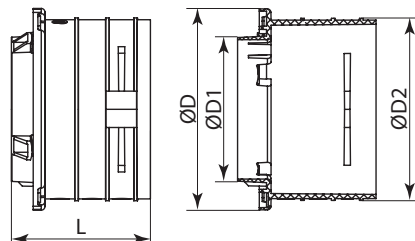
Round flange

The duct is secured with a FlexiVent 03 lock ring (available as an accessory). A duct is fitted with a FlexiVent 0590 seal to retain air-tightness class C (available as an accessory). Made of polypropylene (PP) with thermoplastic elastomer (SEBS).

Operating temperature: from -20 to +60 °C.

Application: supply or exhaust ventilation systems of residential spaces.
Connecting air ducts to connectors and air distribution boxes.

Model	ØD [mm]	ØD1 [mm]	ØD2 [mm]	L [mm]
FlexiVent 0290	111	79.4	100.6	76.5



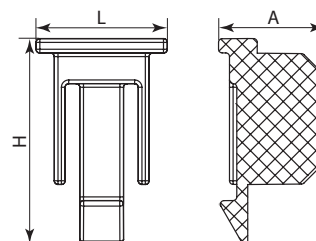
Versatile lock

Made of polypropylene (PP) with thermoplastic elastomer (SEBS).

Operating temperature: from -20 to +60 °C.

Application: Fixation of Ø 90 mm ducts in FlexiVent 0290 flanges.

Model	H [mm]	L [mm]	A [mm]
FlexiVent 03	28	18	14.5



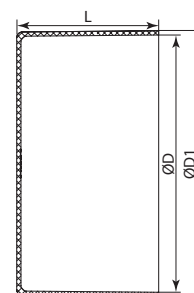
Round pipe plug

Made of polypropylene (PP) with thermoplastic elastomer (SEBS).

Operating temperature: from -20 to +60 °C.

Application: sealing off Ø 90 mm duct end and preventing debris from entering the duct during construction and installation work.

Model	D [mm]	D1 [mm]	L [mm]
FlexiVent 030190	91	94	50



Round flange plug

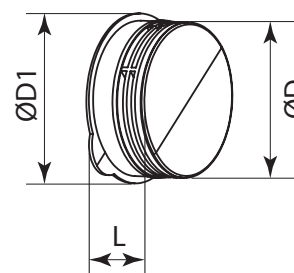
Made of polypropylene (PP) with thermoplastic elastomer (SEBS).

The plug is supplied with a seal (available as an accessory) to retain air-tightness class C.

Operating temperature: from -20 to +60 °C.

Application: sealing off unused FlexiVent 0290 flanges in connectors.

Model	ØD [mm]	ØD1 [mm]	L [mm]
FlexiVent 030290	91	115	32





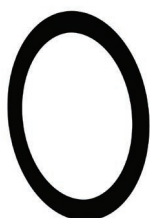
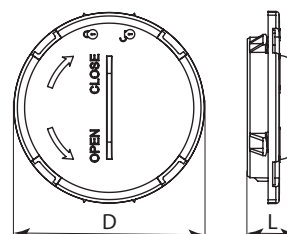
Air distribution box plug

Made of polypropylene (PP) with thermoplastic elastomer (SEBS).
The plug is supplied with a seal (available as an accessory) to retain airtightness class C.

Operating temperature: from -20 to +60 °C.

Application: sealing off unused ports in air distribution boxes.

Model	ØD [mm]	L [mm]
FlexiVent 030990	111	29



Seal ring

Made of synthetic rubber.

Operating temperature: from -20 to +60 °C.

Application: sealing Ø 90 mm ducts and FlexiVent flange plugs.

Model	ØD [mm]
FlexiVent 0590	94



Coupling sleeve

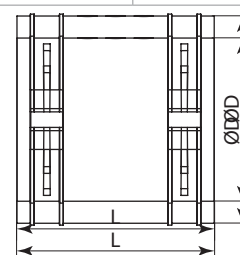
The ducts are secured with FlexiVent 03 lock rings (available as an accessory). The duct is fitted with a seal to retain airtightness class C (available as an accessory).

Made of polypropylene (PP) with thermoplastic elastomer (SEBS).

Operating temperature: from -20 to +60 °C.

Application: supply or exhaust ventilation systems of residential spaces.
Joining Ø 90 mm air ducts.

Model	ØD [mm]	L [mm]
FlexiVent 060190	101	105



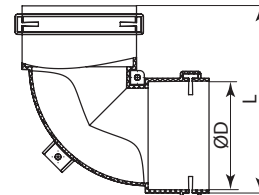


Round bend

Connection diameter is 90 mm. The duct is secured with FlexiVent 03 lock rings (available as an accessory). The duct is fitted with a FlexiVent 0590 seal to retain air-tightness class C (available as an accessory). Made of polypropylene (PP) with thermoplastic elastomer (SEBS). Made of PVC plastic. Operating temperature: from -20 to +60 °C.

Application: supply or exhaust ventilation systems of residential spaces. Joining Ø 90 mm ducts at 90°.

Model	ØD [mm]	L [mm]
FlexiVent 060390	94	167



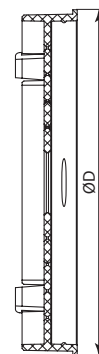
Round air throttling damper

Inserted into FlexiVent 0290 flanges on the inside of the air distribution box. To adjust the air flow, cut the unnecessary rings off the casting.

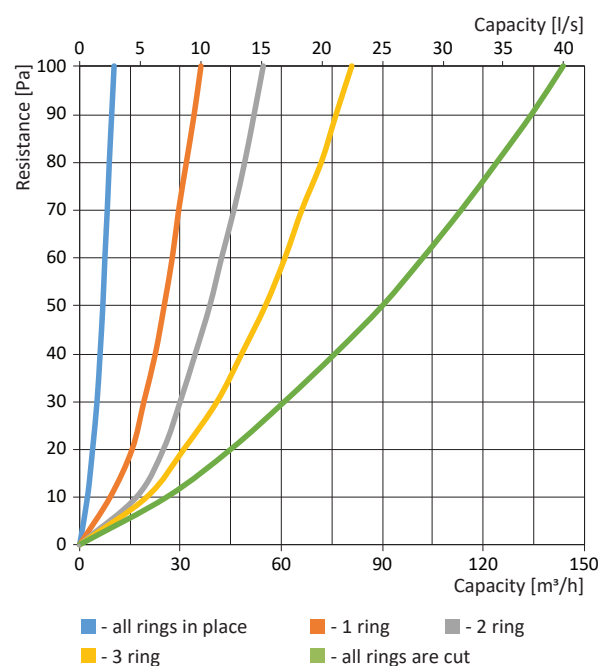
Made of polypropylene (PP) with thermoplastic elastomer (SEBS). Operating temperature: from -20 to +60 °C.

Application: supply or exhaust ventilation systems of residential spaces. Adjusting the air flow in the duct.

Model	ØD [mm]	L [mm]
FlexiVent 0790	78	14



FlexiVent 0790



Metal connectors



Ceiling-mounted metal connector

Connection diameter is 90 mm. The duct is secured with FlexiVent 03 lock rings (available as an accessory).

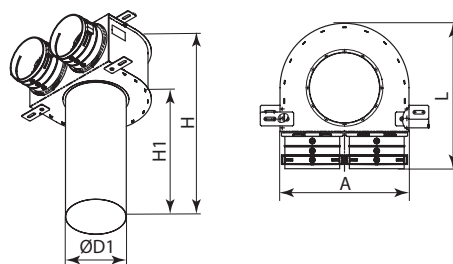
The duct is fitted with a FlexiVent 0590 seal to retain air-tightness class C (available as an accessory).

The connector is made of metal and supplied with polypropylene spigots.

Application: supply or exhaust ventilation systems of residential spaces. Ceiling mounted.

Connecting the DN125 ventilation grille to FlexiVent ducts.

Model	ØD1 [mm]	L [mm]	A [mm]	H [mm]	H1 [mm]
FlexiVent 0811125/90x2	127	261	232	424	300



FlexiVent 0811125/90x2

Capacity [m³/h]	Number of duct connections	Air supply	Air exhaust
		Resistance [Pa]	Resistance [Pa]
45	1	4.1	2.8
90	2	9.0	6.5



Floor-mounted metal connector

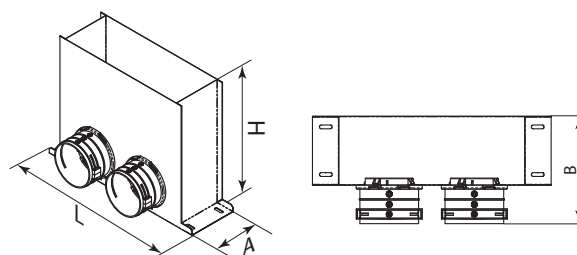
Connection diameter is 90 mm. The ducts are secured with FlexiVent 03 lock rings (available as an accessory).

The ducts are fitted with seals to retain air-tightness class C (available as an accessory). The connector is made of metal and supplied with polypropylene spigots.

Application: supply or exhaust ventilation systems of residential spaces. Floor-mounted.

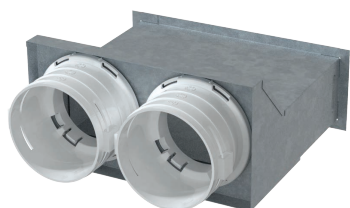
Connecting the floor ventilation grille to FlexiVent ducts.

Model	L [mm]	A [mm]	B [mm]	H [mm]
FlexiVent 0821300x100/90x2	401	115	180.5	300



FlexiVent 0821300x100/90x2

Capacity [m³/h]	Number of duct connections	Air supply	Air exhaust
		Resistance [Pa]	Resistance [Pa]
45	1	8.4	6.6
90	2	12.2	10.8

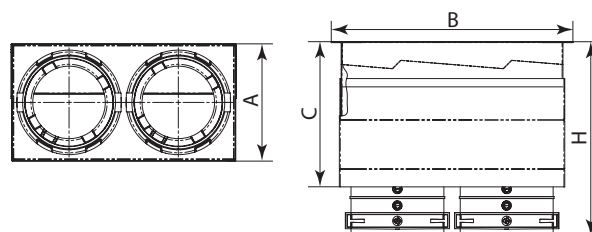


Wall-mounted metal connector

Connection diameter is 90 mm. The duct is secured with FlexiVent 03 lock rings (available as an accessory). The duct is fitted with a FlexiVent 0590 seal to retain air-tightness class C (available as an accessory). The connector is made of metal and supplied with polypropylene spigots. Operating temperature: from -20 to +60 °C.

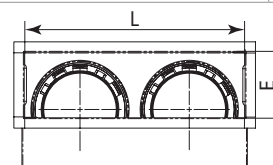
Application: supply or exhaust ventilation systems of residential spaces. Wall-mounted. Connecting the 0930234x70 wall ventilation grille to FlexiVent ducts.

Model	A [mm]	B [mm]	C [mm]	H [mm]
FlexiVent 0832234x70/90x2	134	256.5	119-219	169-269



Connecting dimensions, where is the grille inserted

Model	L [mm]	E [mm]
FlexiVent 0832234x70/90x2	234.5	70



FlexiVent 0832234x70/90x2

Capacity [m³/h]	Number of duct connections	Air supply	Air exhaust
		Resistance [Pa]	Resistance [Pa]
45	1	7.2	5.3
90	2	11.7	10.3

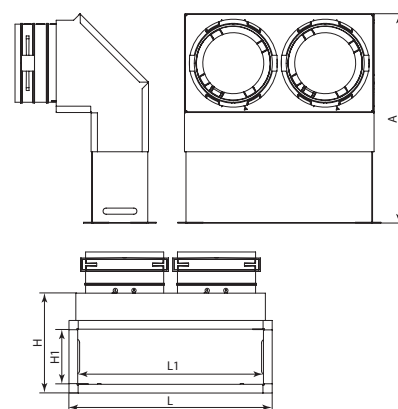


Wall-mounted metal connector

Connection diameter is 90 mm. The duct is secured with FlexiVent 03 lock rings (available as an accessory). The duct is fitted with a FlexiVent 0590 seal to retain air-tightness class C (available as an accessory). The connector is made of metal and supplied with polypropylene spigots. Operating temperature: from -20 to +60 °C.

Application: supply or exhaust ventilation systems of residential spaces. Wall-mounted. Connecting the 0930234x70 wall ventilation grille to FlexiVent ducts.

Model	L [mm]	L1 [mm]	A [mm]	H [mm]	H1 [mm]
FlexiVent 0833234x70/90x2	256.5	234.5	176-274	126	70



FlexiVent 0833234x70/90x2

Capacity [m³/h]	Number of duct connections	Air supply	Air exhaust
		Resistance [Pa]	Resistance [Pa]
45	1	8.2	6.4
90	2	12.3	10.8

Metal air distribution boxes



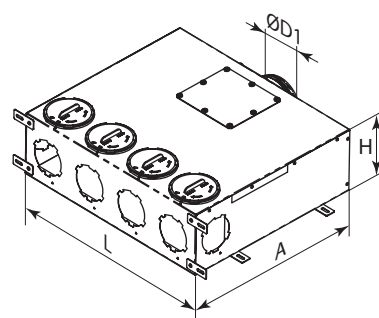
Metal air distribution box

The main air duct flange is sealed with a rubber gasket.
The ducts are connected using FlexiVent 0290 flanges of appropriate size. The flanges are not included in the delivery set.

Any unused ports are sealed off with FlexiVent 030990 air distribution box plugs. Made of steel with aluzinc coating.

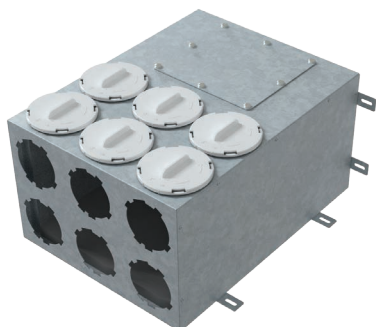
Internal sound insulation layer.

Application: supply or exhaust ventilation systems of residential spaces. Distribution of air from the ventilation unit through the ducts.



Model	ØD1 [mm]	L [mm]	A [mm]	H [mm]
FlexiVent 1001125/90x6	122	530	470	162

FlexiVent 1001125/90x6		Air supply	Air exhaust
Capacity [m³/h]	Number of duct connections	Resistance [Pa]	Resistance [Pa]
45	1	1.2	0.1
90	2	3.0	1.4
135	3	5.3	3.8
180	4	7.2	5.8
225	5	8.9	7.5
270	6	10.5	9.1



Metal air distribution box

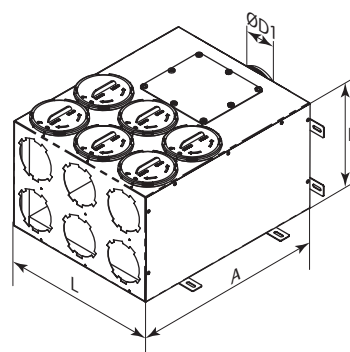
The main air duct flange is sealed with a rubber gasket. The ducts are connected using FlexiVent 0290 flanges of appropriate size. The flanges are not included in the delivery set.

Any unused ports are sealed off with FlexiVent 030990 air distribution box plugs. Made of steel with aluzinc coating.

Internal sound insulation layer.

Application: supply or exhaust ventilation systems of residential spaces. Distribution of air from the ventilation unit through the ducts.

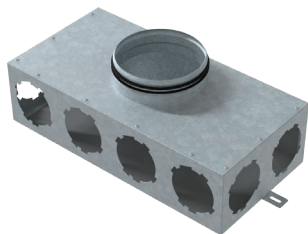
Model	ØD1 [mm]	L [mm]	A [mm]	H [mm]
FlexiVent 1002125/90x6	122	348	432	239
FlexiVent 1002160/90x6	157	348	460	239



FlexiVent 1002125/90x6 FlexiVent 1002160/90x6

Capacity [m³/h]	Number of duct connections	Air supply	Air exhaust
		Resistance [Pa]	Resistance [Pa]
45	1	1.3	0.4
90	2	3.0	1.4
135	3	5.3	3.9
180	4	7.0	5.7
225	5	8.8	7.6
270	6	10.5	9.2

Technical specification



Metal air distribution box

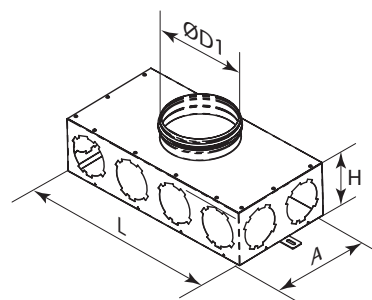
The main air duct flange is sealed with a rubber gasket. The ducts are connected using FlexiVent 0290 flanges of appropriate size. The flanges are not included in the delivery set.

Any unused ports are sealed off with FlexiVent 030990 air distribution box plugs. Made of steel with aluzinc coating.

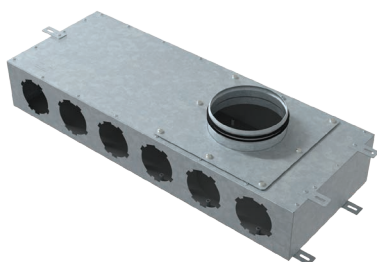
Internal sound insulation layer.

Application: supply or exhaust ventilation systems of residential spaces. Distribution of air from the ventilation unit through the ducts.

Model	ØD1 [mm]	L [mm]	A [mm]	H [mm]
FlexiVent 1001160/90x8	157	464	232	125



FlexiVent 1001160/90x8		Air supply	Air exhaust
Capacity [m³/h]	Number of duct connections	Resistance [Pa]	Resistance [Pa]
45	1	2.7	0.6
90	2	4.2	2.2
135	3	5.6	3.6
180	4	7.2	5.4
225	5	8.7	7.0
270	6	10.7	9.0
315	7	12.7	11.1
360	8	14.3	12.7



Metal air distribution box

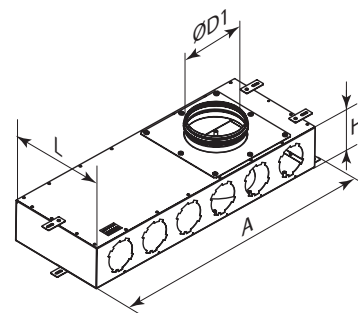
The main air duct flange is sealed with a rubber gasket.

The ducts are connected using FlexiVent 0290 flanges of appropriate size. The flanges are not included in the delivery set.

Any unused ports are sealed off with FlexiVent 030990 air distribution box plugs. Made of steel with aluzinc coating.

Internal sound insulation layer.

Application: supply or exhaust ventilation systems of residential spaces. Distribution of air from the ventilation unit through the ducts.

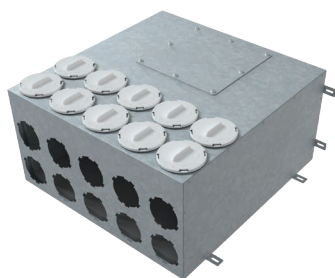


Model	ØD1 [mm]	L [mm]	A [mm]	H [mm]
FlexiVent 1004160/90x6	157	290	770	125

FlexiVent 1004160/90x6

Capacity [m³/h]	Number of duct connections	Air supply	Air exhaust
		Resistance [Pa]	Resistance [Pa]
45	1	0.2	0.1
90	2	0.6	0.5
135	3	1.6	1.4
180	4	3.3	3.0
225	5	5.7	5.7
270	6	7.5	7.3

Technical specification

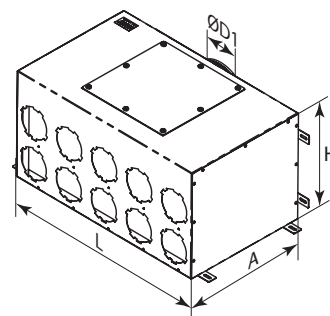


Metal air distribution box

The main air duct flange is sealed with a rubber gasket.
The ducts are connected using FlexiVent 0290 flanges of appropriate size. The flanges are not included in the delivery set.
Any unused ports are sealed off with FlexiVent 030990 air distribution box plugs. Made of steel with aluzinc coating.
Internal sound insulation layer.

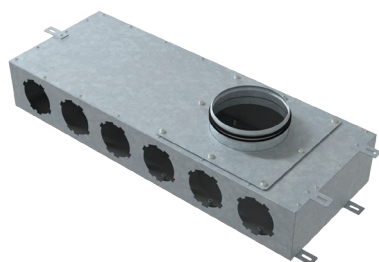
Application: supply or exhaust ventilation systems of residential spaces. Distribution of air from the ventilation unit through the ducts.

Model	ØD1 [mm]	L [mm]	A [mm]	H [mm]
FlexiVent 1002160/90x10	157	580	350	302
FlexiVent 1002200/90x10	197	580	350	302



FlexiVent 1002160/90x10 FlexiVent 1002200/90x10

Capacity [m³/h]	Number of duct connections	Air supply	Air exhaust
		Resistance [Pa]	Resistance [Pa]
45	1	0.2	0.1
90	2	0.8	0.7
135	3	1.8	1.6
180	4	3.1	2.7
225	5	4.3	3.9
270	6	5.5	4.9
315	7	7.1	6.2
360	8	8.5	7.4
405	9	9.5	8.2
450	10	10.3	8.9



Metal air distribution box

The main air duct flange is sealed with a rubber gasket.
The Ø 90 mm ducts are connected using the appropriate FlexiVent 0290 flanges.

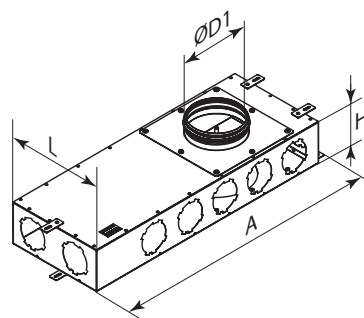
The flanges are not included in the delivery set.
Any unused ports are sealed off with the FlexiVent 030990 air distribution box plugs.

Made of steel with aluzinc coating.

Application: supply or exhaust ventilation systems of residential spaces.

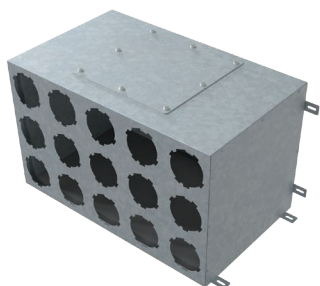
To distribute air from the air handling unit.

Model	ØD1 [mm]	L [mm]	A [mm]	H [mm]
FlexiVent 1003160/90x10	157	290	770	125



FlexiVent 1003160/90x10

Capacity [m³/h]	Number of duct connections	Air supply	Air exhaust
		Resistance [Pa]	Resistance [Pa]
45	1	0.2	0.1
90	2	1.0	0.7
135	3	2.3	1.8
180	4	4.1	3.5
225	5	6.0	5.9
270	6	7.5	7.3
315	7	9.0	9.0
360	8	10.1	10.0
405	9	10.9	10.8
450	10	11.7	11.3

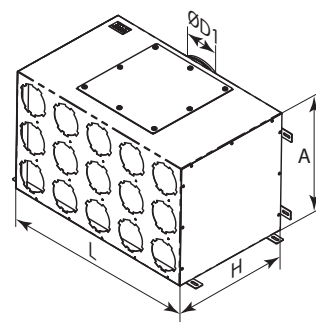


Metal air distribution box

The main air duct flange is sealed with a rubber gasket.
The ducts are connected using FlexiVent 0290 flanges of appropriate size. The flanges are not included in the delivery set.
Any unused ports are sealed off with FlexiVent 030990 air distribution box plugs. Made of steel with aluzinc coating.
Internal sound insulation layer.

Application: supply or exhaust ventilation systems of residential spaces. Distribution of air from the ventilation unit through the ducts.

Model	ØD1 [mm]	L [mm]	A [mm]	H [mm]
FlexiVent 1002200/90x15	197	580	350	355



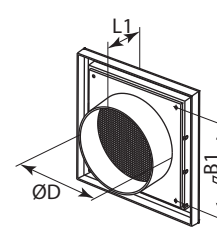
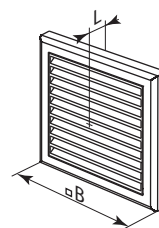
FlexiVent 1002160/90x10		Air supply Resistance [Pa]	Air exhaust Resistance [Pa]
Capacity [m³/h]	Number of duct connections		
45	1	0.3	0.2
90	2	0.9	0.8
135	3	1.6	1.5
180	4	2.6	2.4
225	5	3.7	3.4
270	6	4.7	4.2
315	7	5.7	5.1
360	8	7.0	6.2
405	9	8.4	7.4
450	10	9.8	8.6
495	11	11.2	9.8
540	12	12.1	10.6
585	13	13.1	11.4
630	14	13.6	11.8
675	15	14.1	12.2

Grilles

Vents grille designation	Cross-sectional area [m ²]	Air speed through the cross-section [m/s]					
		0.5	1	1.5	2	2.5	3
MV 120 V	0.0083	15	30	45	60	75	90
MV 125 PF	0.025	45	90	135	180	225	270



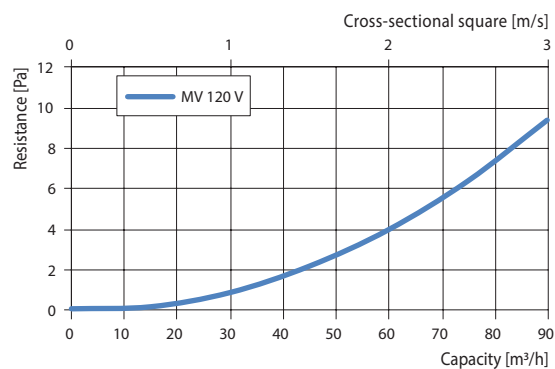
Model	B [mm]	L [mm]	B1 [mm]	L1 [mm]	ØD [mm]
MV 120 V	186	15	142	45	125



Grille MV 120 V

Connection diameter Ø 125 mm.
Made of ABS plastic or polystyrene.
Secured with self-tapping screws.
Includes a mosquito screen.

Application: Supply or exhaust ventilation systems of residential spaces.
Installed into wall-mounted connectors.



Technical specification



Grille MV 125 PF

Connection diameter Ø 125 mm.

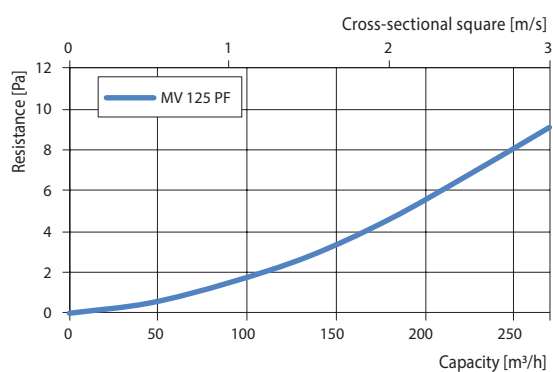
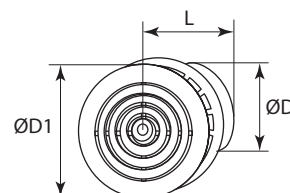
Made of ABS plastic or polystyrene.

Includes a mosquito screen.

Application: Supply or exhaust ventilation systems of residential spaces.

Installed into wall-mounted connectors.

Model	ØD [mm]	ØD1 [mm]	L [mm]
MV 125 PF	125	166	14



Supply disc valve

Connection diameter Ø 125 mm.

Made of ABS plastic or polystyrene.

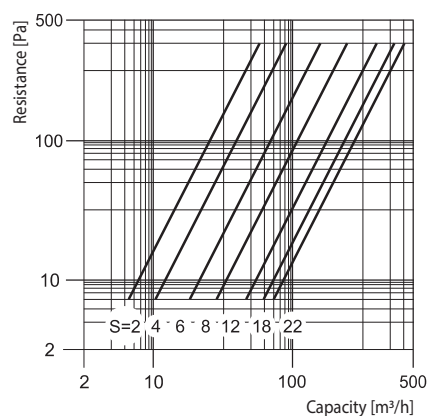
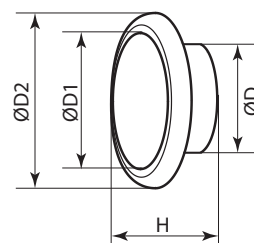
Smooth air flow regulation.

Secured with spring brackets.

Application: Supply or exhaust ventilation systems of residential spaces.

Installed into wall-mounted connectors.

Model	ØD [mm]	ØD1 [mm]	ØD2 [mm]	H [mm]
AM 125 PRF	124	112	167	60





Exhaust disc valve

Connecting diameter Ø 125 mm.

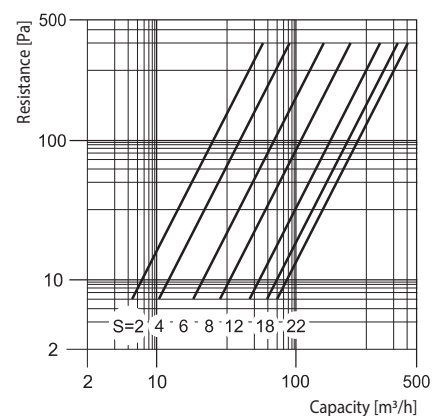
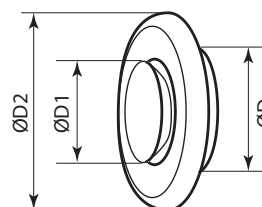
Made of ABS plastic or polystyrene.

Infinitely adjustable airflow.

Application: Supply or exhaust ventilation systems of residential spaces.

Installed into wall-mounted connectors.

Model	ØD [mm]	ØD1 [mm]	ØD2 [mm]
AM 125 VRF	124	100	154



Floor-mounted metal grille

The connection dimension is 300x100 mm.

The grille is made of metal with a white polymer coating.

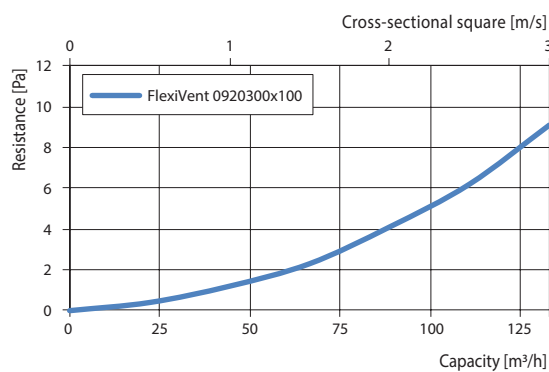
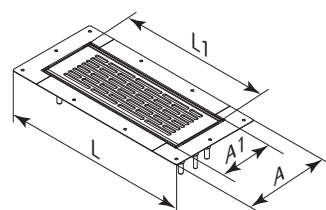
The cross-sectional area is 0.0123 m².

Secured with springs.

Application: Supply or exhaust ventilation systems of residential spaces.

Installed into floor-mounted connectors.

Model	L [mm]	L1 [mm]	A [mm]	A1 [mm]
FlexiVent 0920300x100	377.4	309	178.4	111.7



Technical specification



Floor-mounted metal grille

The connection dimension is 300x100 mm.
The grille is made of polished stainless steel.

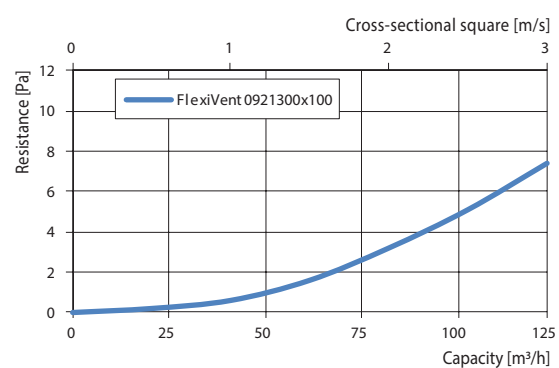
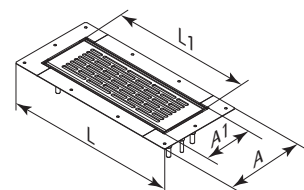
The cross-sectional area is 0.0114 m².

Secured with springs.

Application: Supply or exhaust ventilation systems of residential spaces.

Installed into floor-mounted connectors.

Model	A [mm]	L1 [mm]	A [mm]	A1 [mm]
FlexiVent 0921300x100	377.4	309	178.4	111.7



Floor-mounted hidden grille

The connection dimension is 300x100 mm.
The grille is made of polished stainless steel.

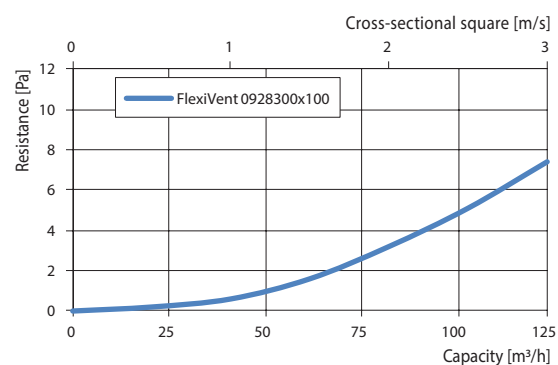
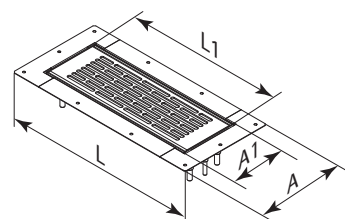
The cross-sectional area is 0.0114 m².

Secured with springs.

Application: Supply or exhaust ventilation systems of residential spaces.

Installed into floor-mounted connectors.

Model	A [mm]	L1 [mm]	A [mm]	A1 [mm]
FlexiVent 0928300x100	377.4	309	178.4	111.7





Floor-mounted metal overlay grille

The connection dimension is 300x100 mm.

The grille is made of metal with a white polymer coating.

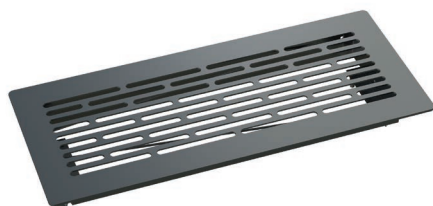
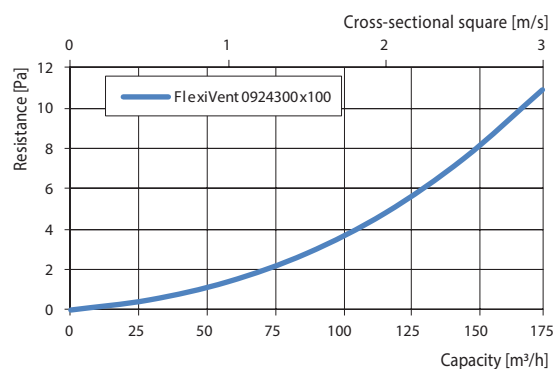
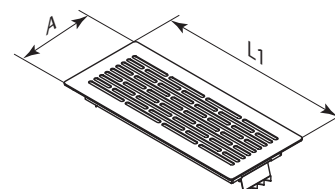
The cross-sectional area is 0.016 m².

Secured with springs.

Application: Supply or exhaust ventilation systems of residential spaces.

Installed into floor-mounted connectors.

Model	A [mm]	L1 [mm]
FlexiVent 0924300x100	151	351



Floor-mounted metal overlay grille

The connection dimension is 300x100 mm.

The grille is made of metal with a polymer coating.

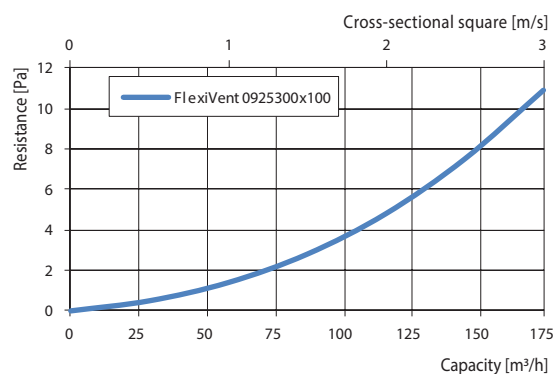
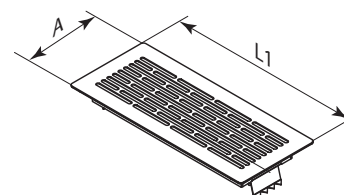
The cross-sectional area is 0.016 m².

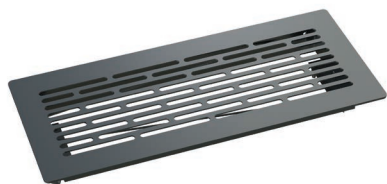
Secured with springs.

Application: Supply or exhaust ventilation systems of residential spaces.

Installed into floor-mounted connectors.

Model	A [mm]	L1 [mm]
FlexiVent 0925300x100	151	351





Floor-mounted overlay grille

The connection dimension is 300x100 mm.

The grille is made of polished stainless steel.

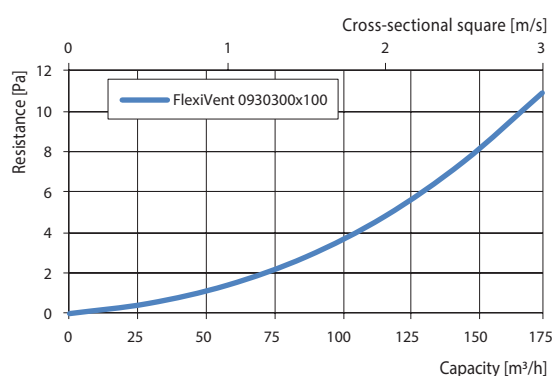
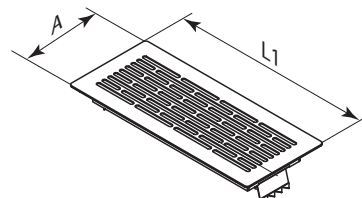
The cross-sectional area is 0.016 m².

Secured with springs.

Application: Supply or exhaust ventilation systems of residential spaces.

Installed into floor-mounted connectors.

Model	A [mm]	L1 [mm]
FlexiVent 0930300x100	151	351



Wall-mounted metal grille

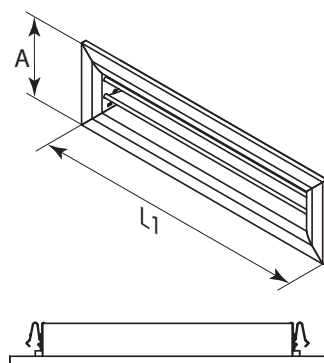
The connection dimension is 234x70 mm.

The grille is made of aluminium with a polymer coating.

The cross-sectional area is 0.0108 m². Secured with springs.

Application: supply or exhaust ventilation systems of residential spaces. Installed into wall-mounted connectors.

Model	A [mm]	L1 [mm]
FlexiVent 0930234x70	113	262



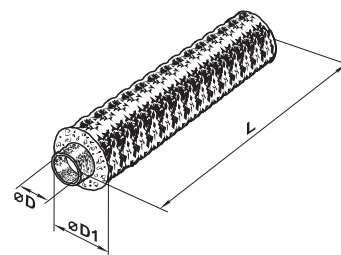
Accessories



Flexible insulated duct

The duct is made of aluminum foil and laminated with polyether film. Higher ductility and temperature resistance (briefly to 120 °C). The duct is fixed to the spigots using the clamps or the ALT mounting tape.

Application: supply or exhaust ventilation systems of residential spaces. Connecting air handling units to air distribution boxes.



Model	ØD [mm]	ØD1 [mm]	L [m]
Isovent H/127/7.6	127	152	7.6
Isovent H/152/7.6	152	177	7.6
Isovent H/162/7.6	162	187	7.6
Isovent H/203/7.6	203	228	7.6

Product item	Isovent H
Size range [mm]	127; 152; 162; 203
Air duct base	Metallized polyester film (45 µm)
Air duct wire	Steel spring, 0.8-1.5 mm thick
Insulation	Mineral wool, 25 mm
Outer sleeve	Metallized polyester film (45 µm)
Temperature range [°C]	-30...+120
Standard length [m]	7.6
Available lengths (cutting) [m]	7.6
Air speed [m/s]	300
Maximum operating pressure [Pa]	3000



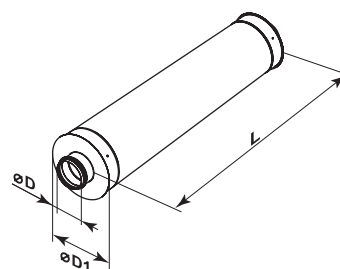
Silencer

The galvanized steel casing of the SR silencer is filled with flameproof sound insulating material and equipped with protecting covering against fiber blowing-out.

The silencers are equipped with connecting flanges with rubber sealing for airtight connection to the air ducts.

Application: the silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems.

Model	Dimensions [mm]		
	ØD	ØD1	L
SR 125/900	125	225	900
SR 150/900	149	250	900
SR 160/900	159	252	900
SR 200/900	198	318	900





Metal hood

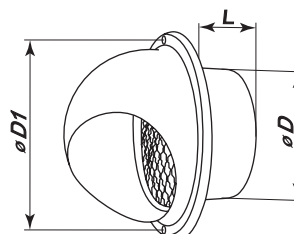
Made of stainless steel.

Equipped with a protective grid.

Rubber seals for tight contact to the wall.

Fixing with screws.

Application: decoration of supply and exhaust ventilation outlets.



Model	Dimensions [mm]			Cross-sectional area [cm ²]
	ØD	ØD1	L	
MVM 122 bVs N	120	165	52	82
MVM 152 bVs N	145	192	62	126
MVM 162 bVs N	155	192	62	135
MVM 202 bVs N	195	253	73	178

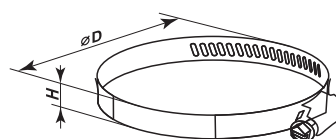


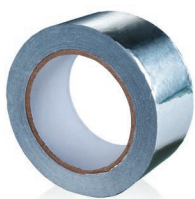
Clamp

Made of galvanized steel.

Application: connecting flexible insulated ducts to spigots of air handling units and to air distribution boxes.

Model	Dimensions [mm]	
	ØD	H
C 125 Z	110-130	9
C 160 Z	150-170	9
C 200 Z	190-210	9





Aluminium mounting tape ALT 050/10

Made of aluminium and PET foil covered with glue layer.

The tape is supplied in rolls and the glue layer is protected with an extra protecting layer.

Maximum temperature of the work surface is +100 °C.

Application: protection against external impacts and sealing of connections of flexible insulated ducts to other system elements.

Model	ALT 050/10
Length [m]	10
Width L [mm]	50
Total tape thickness [μm]	32
Breaking force	57 N / 25 [mm ²]
Elongation at break [no less %]	3
Adhesiveness	8,25 N / 25 mm ²
Operating temperature [°C]	+10...+40
Max. working area surface [°C]	+100
UV-resistance	yes

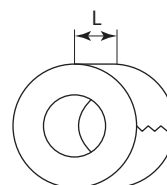


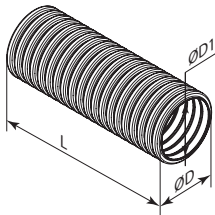
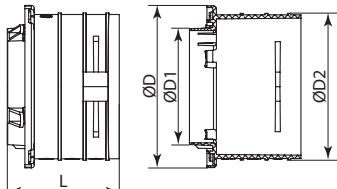
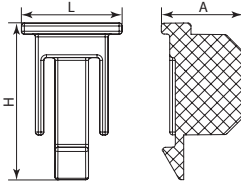
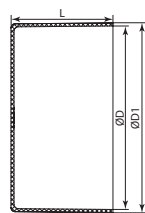
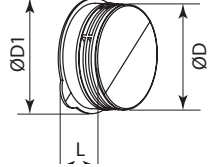
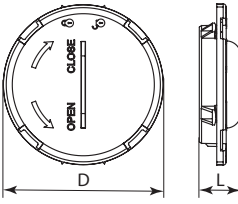
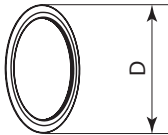
Butyl rubber sealing tape BLG 050/15

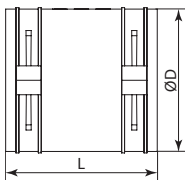
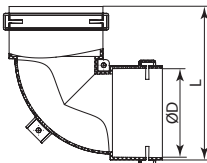
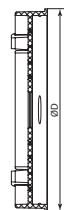
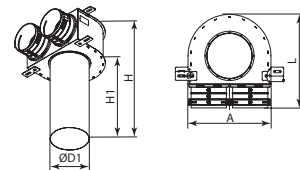
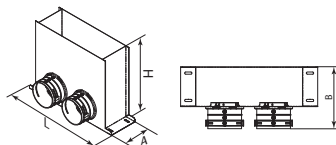
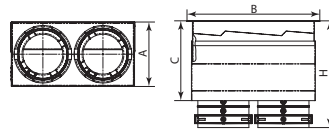
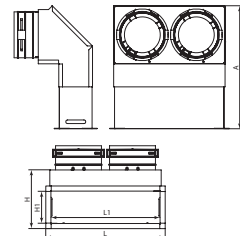
Made of butyl rubber. The tape is supplied in rolls and the glue layer is protected with an extra protecting layer. Waterproof.

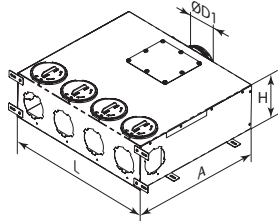
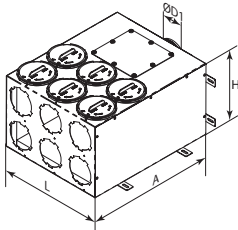
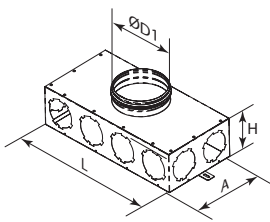
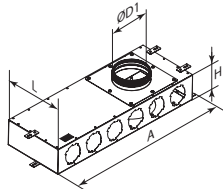
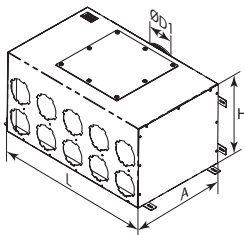
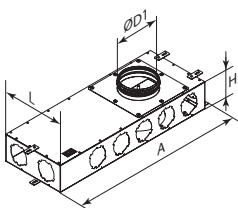
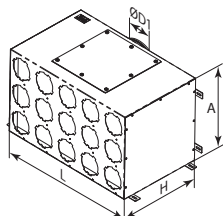
Application: sealing of duct/flange connection before casting.

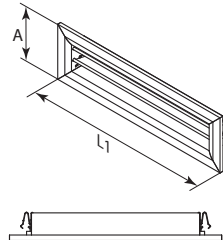
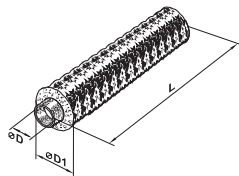
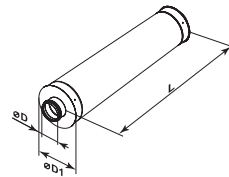
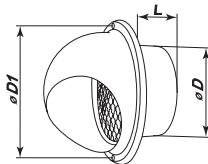
Model	BLG 050/15
Length [m]	15
Width L [mm]	50
Operating temperature [°C]	+5...+30
Working temperature [°C]	-20...+70

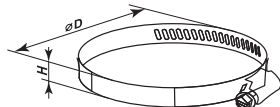
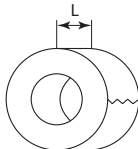


Product	Name	Dimensions										
Round duct	FlexiVent 1905000	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>90</td><td>76.5</td><td>50</td></tr></table>				ØD [mm]	ØD1 [mm]	L [mm]	90	76.5	50	
ØD [mm]	ØD1 [mm]					L [mm]						
90	76.5					50						
Round duct with anti-bacterial and antistatic treatment	FlexiVent 101905000											
Round duct with antistatic treatment	FlexiVent 102905000											
Round duct	FlexiVent 1902000	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>90</td><td>76.5</td><td>20</td></tr></table>				ØD [mm]	ØD1 [mm]	L [mm]	90	76.5	20	
ØD [mm]	ØD1 [mm]					L [mm]						
90	76.5					20						
Round duct with anti-bacterial and antistatic treatment	FlexiVent 101902000											
Round duct with antistatic treatment	FlexiVent 102902000											
Round flange	FlexiVent 0290	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>ØD2 [mm]</th><th>L [mm]</th></tr><tr><td>111</td><td>79.4</td><td>100.6</td><td>76.5</td></tr></table>	ØD [mm]	ØD1 [mm]	ØD2 [mm]	L [mm]	111	79.4	100.6	76.5		
ØD [mm]	ØD1 [mm]	ØD2 [mm]	L [mm]									
111	79.4	100.6	76.5									
Versatile lock	FlexiVent 03	<table><tr><th>H [mm]</th><th>L [mm]</th><th>A [mm]</th></tr><tr><td>28</td><td>18</td><td>14.5</td></tr></table>	H [mm]	L [mm]	A [mm]	28	18	14.5				
H [mm]	L [mm]	A [mm]										
28	18	14.5										
Round pipe plug	FlexiVent 030190	<table><tr><th>D [mm]</th><th>D1 [mm]</th><th>L [mm]</th></tr><tr><td>91</td><td>94</td><td>50</td></tr></table>	D [mm]	D1 [mm]	L [mm]	91	94	50				
D [mm]	D1 [mm]	L [mm]										
91	94	50										
Round flange plug	FlexiVent 030263	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>69</td><td>80</td><td>30</td></tr></table>	ØD [mm]	ØD1 [mm]	L [mm]	69	80	30				
ØD [mm]	ØD1 [mm]	L [mm]										
69	80	30										
Air distribution box plug	FlexiVent 030990	<table><tr><th>ØD [mm]</th><th>L [mm]</th></tr><tr><td>111</td><td>29</td></tr></table>	ØD [mm]	L [mm]	111	29						
ØD [mm]	L [mm]											
111	29											
Seal ring	FlexiVent 0590	<table><tr><th>ØD [mm]</th></tr><tr><td>94</td></tr></table>	ØD [mm]	94								
ØD [mm]												
94												

Product	Name	Dimensions													
Coupling sleeve	FlexiVent 060163	<table><tr><th>ØD [mm]</th><th>L [mm]</th></tr><tr><td>101</td><td>105</td></tr></table>		ØD [mm]	L [mm]	101	105								
ØD [mm]	L [mm]														
101	105														
Round bend	FlexiVent 060390	<table><tr><th>ØD [mm]</th><th>L [mm]</th></tr><tr><td>94</td><td>167</td></tr></table>		ØD [mm]	L [mm]	94	167								
ØD [mm]	L [mm]														
94	167														
Round air throttling damper	FlexiVent 0790	<table><tr><th>ØD [mm]</th><th>L [mm]</th></tr><tr><td>78</td><td>14</td></tr></table>		ØD [mm]	L [mm]	78	14								
ØD [mm]	L [mm]														
78	14														
Ceiling-mounted metal connector	FlexiVent 0811125/90x2	<table><tr><th>ØD1 [mm]</th><th>L [mm]</th><th>A [mm]</th><th>H [mm]</th><th>H1 [mm]</th></tr><tr><td>127</td><td>261</td><td>232</td><td>424</td><td>300</td></tr></table>	ØD1 [mm]	L [mm]	A [mm]	H [mm]	H1 [mm]	127	261	232	424	300			
ØD1 [mm]	L [mm]	A [mm]	H [mm]	H1 [mm]											
127	261	232	424	300											
Floor-mounted metal connector	FlexiVent 0821300x100/90x2	<table><tr><th>L [mm]</th><th>A [mm]</th><th>B [mm]</th><th>H [mm]</th></tr><tr><td>401</td><td>115</td><td>180.5</td><td>300</td></tr></table>	L [mm]	A [mm]	B [mm]	H [mm]	401	115	180.5	300					
L [mm]	A [mm]	B [mm]	H [mm]												
401	115	180.5	300												
Floor-mounted metal connector	FlexiVent 0821300x100/75x2	<table><tr><th>L [mm]</th><th>A [mm]</th><th>H [mm]</th></tr><tr><td>401</td><td>115</td><td>300</td></tr></table>	L [mm]	A [mm]	H [mm]	401	115	300							
L [mm]	A [mm]	H [mm]													
401	115	300													
Wall-mounted metal connector	FlexiVent 0832234x70/90x2	<table><tr><th>A [mm]</th><th>B [mm]</th><th>C [mm]</th><th>H [mm]</th></tr><tr><td>134</td><td>256.5</td><td>119-219</td><td>269.2</td></tr></table>	A [mm]	B [mm]	C [mm]	H [mm]	134	256.5	119-219	269.2					
A [mm]	B [mm]	C [mm]	H [mm]												
134	256.5	119-219	269.2												
Wall-mounted metal connector	FlexiVent 0833234x70/90x2	<table><tr><th>L [mm]</th><th>L1 [mm]</th><th>A [mm]</th><th>H [mm]</th><th>H1 [mm]</th></tr><tr><td>256.5</td><td>234.5</td><td>176-274</td><td>126</td><td>70</td></tr></table>	L [mm]	L1 [mm]	A [mm]	H [mm]	H1 [mm]	256.5	234.5	176-274	126	70			
L [mm]	L1 [mm]	A [mm]	H [mm]	H1 [mm]											
256.5	234.5	176-274	126	70											

Product	Name	Dimensions										
Metal air distribution box	FlexiVent 1001125/90x6	<table><tr><th>ØD1 [mm]</th><th>L [mm]</th><th>A [mm]</th><th>H [mm]</th></tr><tr><td>122</td><td>530</td><td>470</td><td>162</td></tr></table>	ØD1 [mm]	L [mm]	A [mm]	H [mm]	122	530	470	162		
ØD1 [mm]	L [mm]	A [mm]	H [mm]									
122	530	470	162									
Metal air distribution box	FlexiVent 1002125/90x6	<table><tr><th>ØD1 [mm]</th><th>L [mm]</th><th>A [mm]</th><th>H [mm]</th></tr><tr><td>122</td><td>348</td><td>432</td><td>239</td></tr></table>	ØD1 [mm]	L [mm]	A [mm]	H [mm]	122	348	432	239		
ØD1 [mm]	L [mm]	A [mm]	H [mm]									
122	348	432	239									
Metal air distribution box	FlexiVent 1002160/90x6	<table><tr><th>ØD1 [mm]</th><th>L [mm]</th><th>A [mm]</th><th>H [mm]</th></tr><tr><td>157</td><td>348</td><td>460</td><td>239</td></tr></table>	ØD1 [mm]	L [mm]	A [mm]	H [mm]	157	348	460	239		
ØD1 [mm]	L [mm]	A [mm]	H [mm]									
157	348	460	239									
Metal air distribution box	FlexiVent 1001160/90x8	<table><tr><th>ØD1 [mm]</th><th>L [mm]</th><th>A [mm]</th><th>H [mm]</th></tr><tr><td>157</td><td>464</td><td>232</td><td>125</td></tr></table>	ØD1 [mm]	L [mm]	A [mm]	H [mm]	157	464	232	125		
ØD1 [mm]	L [mm]	A [mm]	H [mm]									
157	464	232	125									
Metal air distribution box	FlexiVent 1004160/90x6	<table><tr><th>ØD1 [mm]</th><th>L [mm]</th><th>A [mm]</th><th>H [mm]</th></tr><tr><td>157</td><td>290</td><td>770</td><td>125</td></tr></table>	ØD1 [mm]	L [mm]	A [mm]	H [mm]	157	290	770	125		
ØD1 [mm]	L [mm]	A [mm]	H [mm]									
157	290	770	125									
Metal air distribution box	FlexiVent 1002160/90x10	<table><tr><th>ØD1 [mm]</th><th>L [mm]</th><th>A [mm]</th><th>H [mm]</th></tr><tr><td>157</td><td>580</td><td>350</td><td>302</td></tr></table>	ØD1 [mm]	L [mm]	A [mm]	H [mm]	157	580	350	302		
ØD1 [mm]	L [mm]	A [mm]	H [mm]									
157	580	350	302									
Metal air distribution box	FlexiVent 1002200/90x10	<table><tr><th>ØD1 [mm]</th><th>L [mm]</th><th>A [mm]</th><th>H [mm]</th></tr><tr><td>197</td><td>580</td><td>350</td><td>302</td></tr></table>	ØD1 [mm]	L [mm]	A [mm]	H [mm]	197	580	350	302		
ØD1 [mm]	L [mm]	A [mm]	H [mm]									
197	580	350	302									
Metal air distribution box	FlexiVent 1003160/90x10	<table><tr><th>ØD1 [mm]</th><th>L [mm]</th><th>A [mm]</th><th>H [mm]</th></tr><tr><td>157</td><td>290</td><td>770</td><td>125</td></tr></table>	ØD1 [mm]	L [mm]	A [mm]	H [mm]	157	290	770	125		
ØD1 [mm]	L [mm]	A [mm]	H [mm]									
157	290	770	125									
Metal air distribution box	FlexiVent 1002200/90x15	<table><tr><th>ØD1 [mm]</th><th>L [mm]</th><th>A [mm]</th><th>H [mm]</th></tr><tr><td>197</td><td>580</td><td>350</td><td>355</td></tr></table>	ØD1 [mm]	L [mm]	A [mm]	H [mm]	197	580	350	355		
ØD1 [mm]	L [mm]	A [mm]	H [mm]									
197	580	350	355									

Product	Name	Dimensions								
Wall-mounted metal grille	FlexiVent 0930234x70	<table><tr><th>A [mm]</th><th>L1 [mm]</th></tr><tr><td>113</td><td>262</td></tr></table>			A [mm]	L1 [mm]	113	262		
A [mm]	L1 [mm]									
113	262									
Flexible insulated duct	Isovent H/127/7.6	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>127</td><td>152</td><td>7.6</td></tr></table>	ØD [mm]	ØD1 [mm]	L [mm]	127	152	7.6		
ØD [mm]	ØD1 [mm]	L [mm]								
127	152	7.6								
Flexible insulated duct	Isovent H/152/7.6	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>152</td><td>177</td><td>7.6</td></tr></table>	ØD [mm]	ØD1 [mm]	L [mm]	152	177	7.6		
ØD [mm]	ØD1 [mm]	L [mm]								
152	177	7.6								
Flexible insulated duct	Isovent H/162/7.6	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>162</td><td>187</td><td>7.6</td></tr></table>	ØD [mm]	ØD1 [mm]	L [mm]	162	187	7.6		
ØD [mm]	ØD1 [mm]	L [mm]								
162	187	7.6								
Flexible insulated duct	Isovent H/203/7.6	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>203</td><td>228</td><td>7.6</td></tr></table>	ØD [mm]	ØD1 [mm]	L [mm]	203	228	7.6		
ØD [mm]	ØD1 [mm]	L [mm]								
203	228	7.6								
Silenser	SR 125/900	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>125</td><td>225</td><td>900</td></tr></table>	ØD [mm]	ØD1 [mm]	L [mm]	125	225	900		
ØD [mm]	ØD1 [mm]	L [mm]								
125	225	900								
Silenser	SR 150/900	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>149</td><td>250</td><td>900</td></tr></table>	ØD [mm]	ØD1 [mm]	L [mm]	149	250	900		
ØD [mm]	ØD1 [mm]	L [mm]								
149	250	900								
Silenser	SR 160/900	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>159</td><td>252</td><td>900</td></tr></table>	ØD [mm]	ØD1 [mm]	L [mm]	159	252	900		
ØD [mm]	ØD1 [mm]	L [mm]								
159	252	900								
Silenser	SR 200/900	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>198</td><td>318</td><td>900</td></tr></table>	ØD [mm]	ØD1 [mm]	L [mm]	198	318	900		
ØD [mm]	ØD1 [mm]	L [mm]								
198	318	900								
Metal hood	MVM 122 bVs N	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>120</td><td>165</td><td>52</td></tr></table>	ØD [mm]	ØD1 [mm]	L [mm]	120	165	52		
ØD [mm]	ØD1 [mm]	L [mm]								
120	165	52								
Metal hood	MVM 152 bVs N	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>145</td><td>192</td><td>62</td></tr></table>	ØD [mm]	ØD1 [mm]	L [mm]	145	192	62		
ØD [mm]	ØD1 [mm]	L [mm]								
145	192	62								
Metal hood	MVM 162 bVs N	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>155</td><td>192</td><td>62</td></tr></table>	ØD [mm]	ØD1 [mm]	L [mm]	155	192	62		
ØD [mm]	ØD1 [mm]	L [mm]								
155	192	62								
Metal hood	MVM 202 bVs N	<table><tr><th>ØD [mm]</th><th>ØD1 [mm]</th><th>L [mm]</th></tr><tr><td>195</td><td>253</td><td>73</td></tr></table>	ØD [mm]	ØD1 [mm]	L [mm]	195	253	73		
ØD [mm]	ØD1 [mm]	L [mm]								
195	253	73								

Product	Name	Dimensions					
Clamp	C 125 Z	<table><tr><td>ØD [mm]</td><td>H [mm]</td></tr><tr><td>110-130</td><td>9</td></tr></table>	ØD [mm]	H [mm]	110-130	9	
ØD [mm]	H [mm]						
110-130	9						
Clamp	C 150 Z	<table><tr><td>ØD [mm]</td><td>H [mm]</td></tr><tr><td>140-160</td><td>9</td></tr></table>	ØD [mm]	H [mm]	140-160	9	
ØD [mm]	H [mm]						
140-160	9						
Clamp	C 160 Z	<table><tr><td>ØD [mm]</td><td>H [mm]</td></tr><tr><td>150-170</td><td>9</td></tr></table>	ØD [mm]	H [mm]	150-170	9	
ØD [mm]	H [mm]						
150-170	9						
Clamp	C 200 Z	<table><tr><td>ØD [mm]</td><td>H [mm]</td></tr><tr><td>190-210</td><td>9</td></tr></table>	ØD [mm]	H [mm]	190-210	9	
ØD [mm]	H [mm]						
190-210	9						
Aluminium mounting tape	ALT 050/10	<table><tr><td>L [mm]</td><td>50</td></tr></table>	L [mm]	50			
L [mm]	50						
Butyl rubber sealing tape	BLG 050/15	<table><tr><td>L [mm]</td><td>50</td></tr></table>	L [mm]	50			
L [mm]	50						



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2020-10

