

**BLAUFAST**



## **BLAUFAST SYSTEM 90 SEMI-RIGID AIR DUCT SYSTEM**

flexible solutions for efficient  
ventilation

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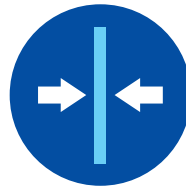
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## MORE COMFORT, LESS COSTS

Modular **BLAUFAST** system saves living space and offers nonstandard design solutions.



- › Smooth inner surface makes maintenance easy.



- › Compact size. Suitable for nonstandard ceilings with complicated geometry and heated floors.



- › No air leakages.



- › Quick and fast assembly due to flexible air ducts and versatile fittings. No special tools and qualification required.



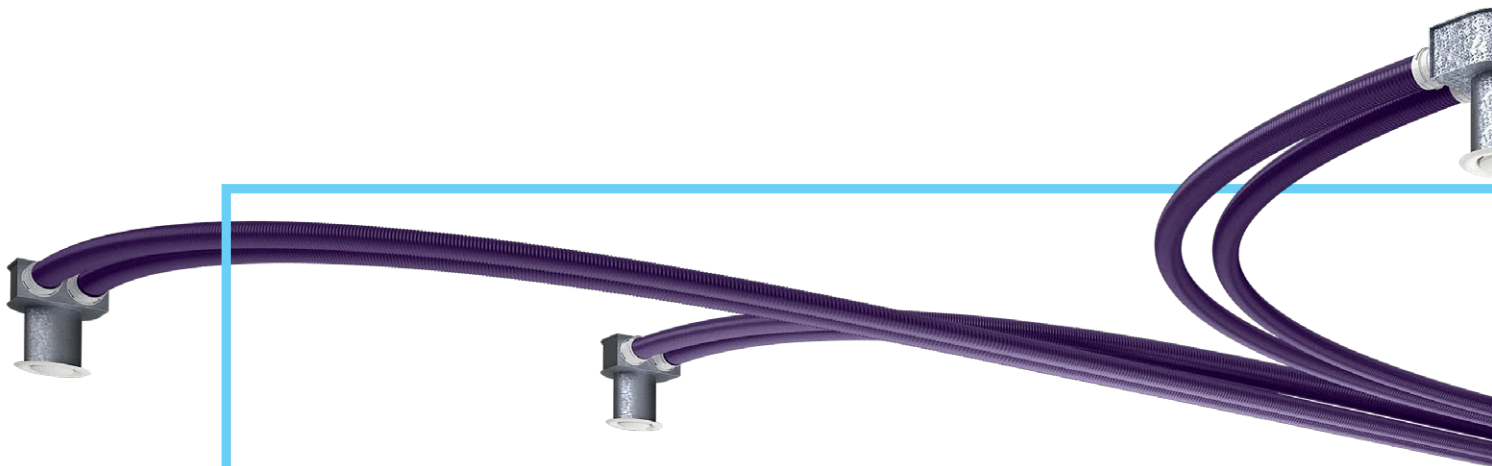
- › Low noise.



- › The material and the form of the semi-rigid air ducts are designed for high external load capacity, i.e. pressure of the concrete floor.



- › Pleasant interior look. The ventilation lines are covered with suspended ceilings, floors or walls. Ventilation supply and exhaust grilles are the only visible components.



The **BLAUFast** modular air distribution system is based on compact corrugated air ducts with the diameter of 90 mm made of impact-resistant plastic.

Energy saving ventilation is easy and fast to arrange with **BLAUFast**. It is applied in houses and apartments and is suitable both for brand new construction or renovation.

## **ENERGY SAVING VENTILATION FOR YOUR HOUSE**

The **BLAUFast** system is designed for joint operation with air handling units.

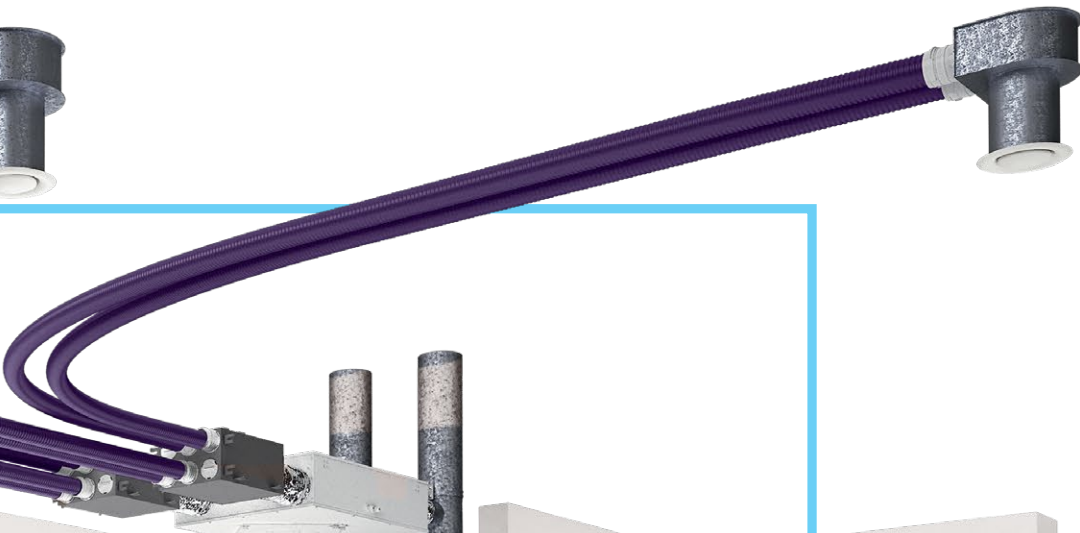
An air handling unit enables air transportation, filtration and heat recovery.

The **BLAUFast** system enables correct air distribution between the rooms.

**In contrast to standard ventilation system to be mounted exclusively in the ceiling or walls the BLAUFast system has wider mounting possibilities.**

**The air ducts are suitable for ceiling, floor or wall mounting. The assembly is easy and cost-effective.**





The flexible air ducts and versatile fittings are designed to make assembly quick and simple.



## TECHNICAL DATA

The calculation of the ventilation system and selection of fittings must be based on local construction norms.\*

		Air flow rate [m³/h]	Air exchange rate per hour
total flat		-	0.4 - 1
per one person		30	-
bathrooms, toilets	any ventilation period	60	-
	ventilation period > 12 hours	45	-
toilet	any ventilation period	30	-
	ventilation period > 12 hours	25	-
kitchen	any ventilation period	60	-
	ventilation period > 12 hours	45	-

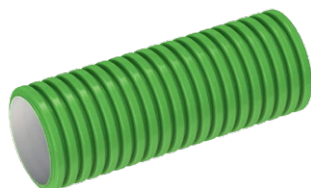
\* recommended air exchange rate for residential buildings in compliance with DIN 1964.6 and DIN 18017.3

## DUCTS AND ACCESSORIES

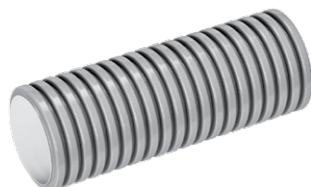
### ROUND DUCT BLAUFast RK 90



### ROUND DUCT WITH ANTIBACTERIAL AND ANTISTATIC TREATMENT BLAUFast RK 90 01



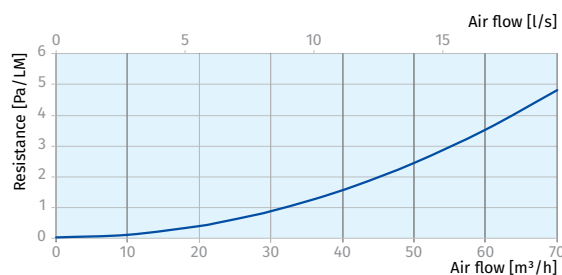
### ROUND DUCT WITH ANTISTATIC TREATMENT BLAUFast RK 90 02



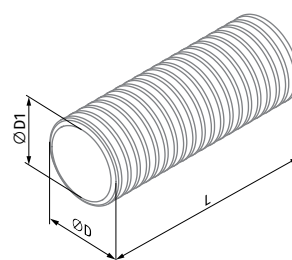
- Made of high-density polyethylene (HDPE).
- The bend radius is 180 mm.
- Circular density 8 kN/m² as per EN ISO 9969.
- Operating temperature: from -20 to +60 °C.
- Smooth inner surface for low air resistance and easy cleaning.

Air speed through the cross-section [m/s]	2	2.5	3
1 duct – air flow [m³/h]	36	42	50
2 ducts – air flow [m³/h]	70	84	101

Duct length [m]	Duct resistance [Pa]		
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]
BlauFast RK 90/50	90	76.5	50
BlauFast RK 90/50 01	90	76.5	50
BlauFast RK 90/50 02	90	76.5	50
BlauFast RK 90/20	90	76.5	20
BlauFast RK 90/20 01	90	76.5	20
BlauFast RK 90/20 02	90	76.5	20



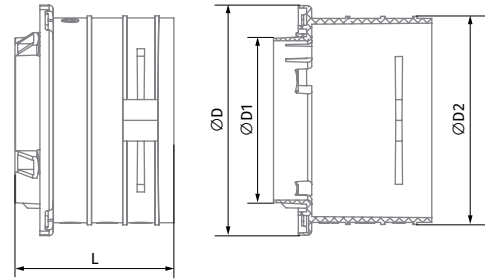
## ROUND FLANGE BLAUFAST RKF 90

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



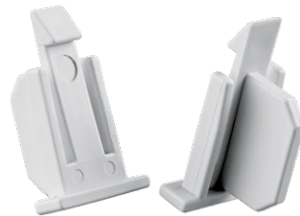
- The duct is secured with a BlauFast S lock ring (available as an accessory).
- A duct is fitted with a BlauFast RL 90 seal to retain air-tightness class C (available as an accessory).
- Made of polypropylene (PP) with thermoplastic elastomer (SEBS).
- Operating temperature: from -20 to +60 °C.

Model	ØD [mm]	ØD1 [mm]	ØD2 [mm]	L [mm]
BlauFast RKF 90	111	79.4	100.6	76.5



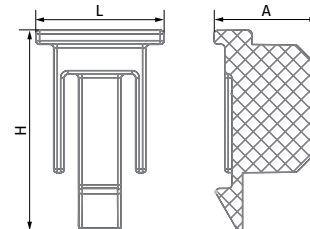
## VERSATILE LOCK BLAUFAST S

Fixation of Ø 90 mm ducts in BlauFast RKF 90 flanges.



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

Model	H [mm]	L [mm]	A [mm]
BlauFast S	28	18	14.5



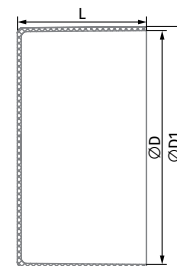
## ROUND PIPE PLUG BLAUFAST RKP 90

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



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

Model	ØD [mm]	ØD1 [mm]	L [mm]
BlauFast RKP 90	91	94	50



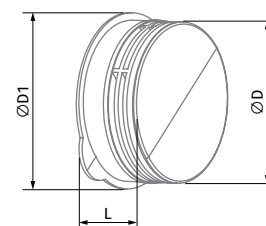
## ROUND FLANGE PLUG BLAUFAST RFP 90

Sealing off unused BlauFast RKF 90 flanges in connectors.



- 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.

Model	ØD [mm]	ØD1 [mm]	L [mm]
BlauFast RFP 90	91	115	32



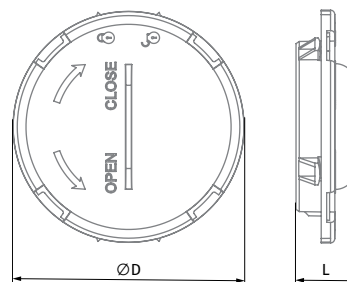
## AIR DISTRIBUTION BOX PLUG BLAUFAST RSP 90

Sealing off unused ports  
in air distribution boxes.



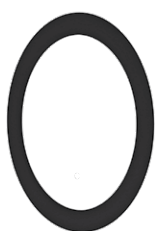
- Made of polypropylene (PP) with thermoplastic elastomer (SEBS).
- The plug is supplied with a seal (available as an accessory) to retain airtightness class C.
- Operating temperature: from -20 to +60 °C.

Model	ØD [mm]	L [mm]
BlauFast RSP 90	111	29



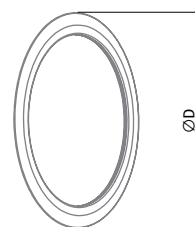
## SEAL RING BLAUFAST RL 90

Sealing Ø 90 mm ducts and  
BlauFast flange plugs.



- Made of synthetic rubber.
- Operating temperature: from -20 to +60 °C.

Model	ØD [mm]
BlauFast RL 90	94



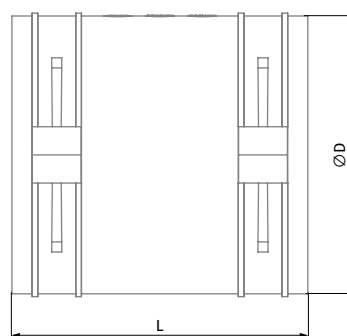
## COUPLING SLEEVE BLAUFAST RM 90

Supply or exhaust ventilation  
systems of residential spaces.  
Joining Ø 90 mm air ducts.



- The ducts are secured with BlauFast S 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.

Model	ØD [mm]	L [mm]
BlauFast RM 90	101	105



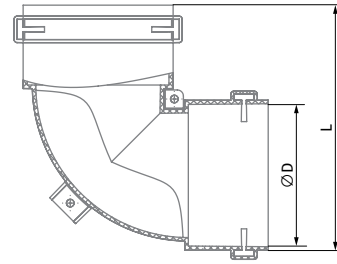
## ROUND BEND BLAUFAST RB 90

Supply or exhaust ventilation systems of residential spaces. Joining  $\varnothing$  90 mm ducts at 90°.



- Connection diameter is 90 mm.
- The duct is secured with BlauFast S lock rings (available as an accessory).
- The duct is fitted with a BlauFast RL 90 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.

Model	$\varnothing D$ [mm]	L [mm]
BlauFast RB 90	94	167



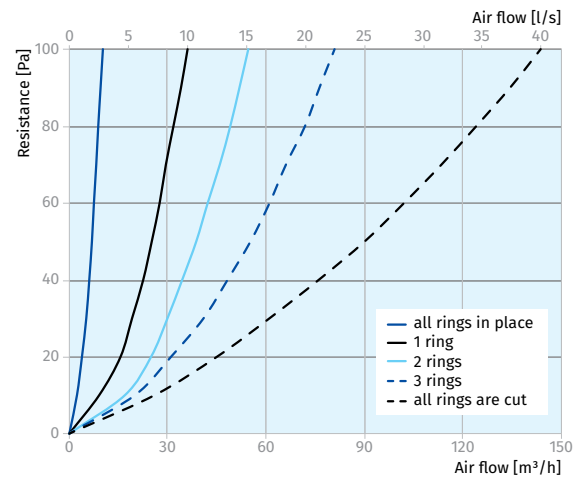
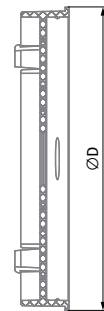
## ROUND AIR THROTTLING DAMPER BLAUFAST RD 90

Supply or exhaust ventilation systems of residential spaces. Adjusting the air flow in the duct.



- Inserted into BlauFast RKF 90 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.

Model	$\varnothing D$ [mm]	L [mm]
BlauFast RD 90	78	14





## CONNECTORS

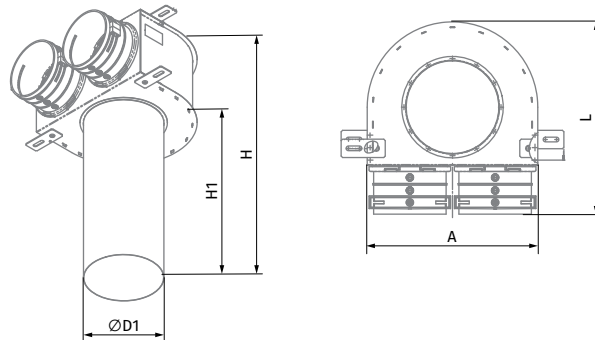
### CEILING-MOUNTED METAL CONNECTOR BLAUFAST RPZ 125/90x2 M

Supply or exhaust ventilation systems of residential spaces. Ceiling mounted. Connecting the DN125 ventilation grille to BlauFast ducts.



- Connection diameter is 90 mm.
- The duct is secured with BlauFast S lock rings (available as an accessory).
- The duct is fitted with a seal to retain airtightness class C (available as an accessory).
- The connector is made of metal and supplied with polypropylene spigots.

Model	ØD1 [mm]	L [mm]	A [mm]	H [mm]	H1 [mm]
BlauFast RPZ 125/90x2 M	127	261	232	424	300



BlauFast RPZ 125/90x2 M		Air supply	Air exhaust
Air flow [m³/h]	Number of duct connections	Resistance [Pa]	Resistance [Pa]
45	1	4.1	2.8
90	2	9.0	6.5

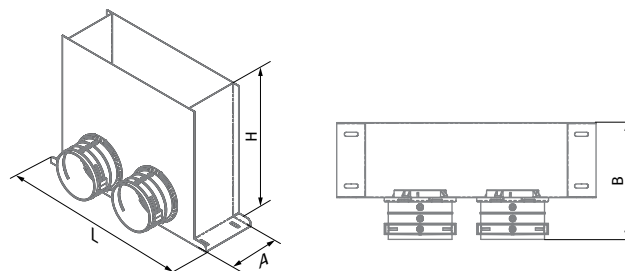
### FLOOR-MOUNTED METAL CONNECTOR BLAUFAST RPF 300x100/90x2 M

Supply or exhaust ventilation systems of residential spaces. Floor-mounted. Connecting the floor ventilation grille to BlauFast ducts.



- Connection diameter is 90 mm.
- The ducts are secured with BlauFast S 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.

Model	L [mm]	A [mm]	B [mm]	H [mm]
BlauFast RPF 300x100/90x2 M	401	115	180.5	300



BlauFast RPF 300x100/90x2 M		Air supply	Air exhaust
Air flow [m³/h]	Number of duct connections	Resistance [Pa]	Resistance [Pa]
45	1	8.4	6.6
90	2	12.2	10.8

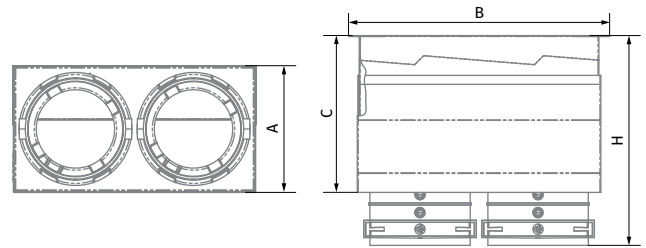
## WALL-MOUNTED METAL CONNECTOR BLAUFAST RPW 234x70/90x2 M



Supply or exhaust ventilation systems of residential spaces. Wall-mounted. Connecting the BlauFast GW 234x70 01 wall ventilation grille to BlauFast ducts.

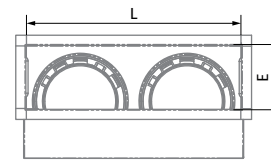
- Connection diameter is 90 mm.
- The duct is secured with BlauFast S lock rings (available as an accessory).
- The duct is fitted with a seal to retain airtightness class C (available as an accessory).
- The connector is made of metal and supplied with polypropylene spigots.
- Operating temperature: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

Model	A [mm]	B [mm]	C [mm]	H [mm]
BlauFast RPW 234x70/90x2 M	134	256.5	119-219	169-269



### CONNECTING DIMENSIONS WHERE THE GRILLE IS INSERTED

Model	L [mm]	E [mm]
BlauFast RPW 234x70/90x2 M	234.5	70



BlauFast RPW 234x70/90x2 M		Air supply	Air exhaust
Air flow [m³/h]	Number of duct connections	Resistance [Pa]	Resistance [Pa]
45	1	7.2	5.3
90	2	11.7	10.3

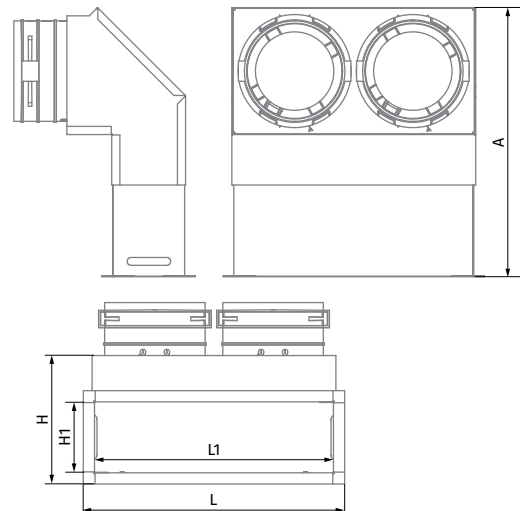
## WALL-MOUNTED METAL CONNECTOR BLAUFAST RPWB 234x70/90x2 M



Supply or exhaust ventilation systems of residential spaces. Wall-mounted. Connecting the BlauFast GW 234x70 01 wall ventilation grille to BlauFast ducts.

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

Model	L [mm]	L1 [mm]	A [mm]	H [mm]	H1 [mm]
BlauFast RPWB 234x70/90x2 M	256.5	234.5	176-274	126	70



BlauFast RPWB 234x70/90x2 M		Air supply	Air exhaust
Air flow [m³/h]	Number of duct connections	Resistance [Pa]	Resistance [Pa]
45	1	8.2	6.4
90	2	12.3	10.8

## AIR DISTRIBUTION BOXES

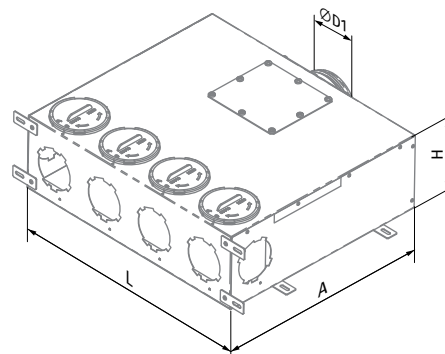
### METAL AIR DISTRIBUTION BOX BLAUFAST SR 125/90x6 01

Supply or exhaust ventilation systems of residential spaces. Distribution of air from the ventilation unit through the ducts.



- The main air duct flange is sealed with a rubber gasket.
- The ducts are connected using BlauFast RKF 90 flanges of appropriate size.
- The flanges are not included in the delivery set.
- Any unused ports are sealed off with BlauFast RSP 90 air distribution box plugs.
- Made of steel with aluzinc coating.
- Internal sound insulation layer.

Model	ØD1 [mm]	L [mm]	A [mm]	H [mm]
BlauFast SR 125/90x6 01	122	530	470	162



BlauFast SR 125/90x6 01		Air supply	Air exhaust
Air flow [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

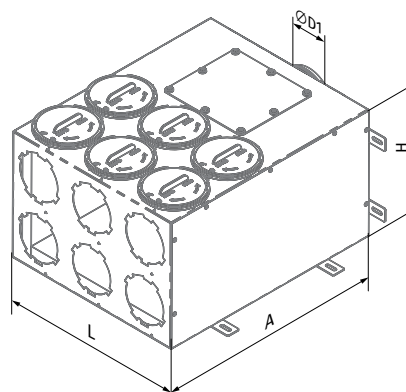
### METAL AIR DISTRIBUTION BOX BLAUFAST SR 125/90x6 02 BLAUFAST SR 160/90x6 02

Supply or exhaust ventilation systems of residential spaces. Distribution of air from the ventilation unit through the ducts.



- The main air duct flange is sealed with a rubber gasket.
- The ducts are connected using BlauFast RKF 90 flanges of appropriate size.
- The flanges are not included in the delivery set.
- Any unused ports are sealed off with BlauFast RSP 90 air distribution box plugs.
- Made of steel with aluzinc coating.
- Internal sound insulation layer.

Model	ØD1 [mm]	L [mm]	A [mm]	H [mm]
BlauFast SR 125/90x6 02	122	348	432	239
BlauFast SR 160/90x6 02	157	348	460	239



BlauFast SR 125/90x6 02 BlauFast SR 160/90x6 02		Air supply	Air exhaust
Air flow [m³/h]	Number of duct connections	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



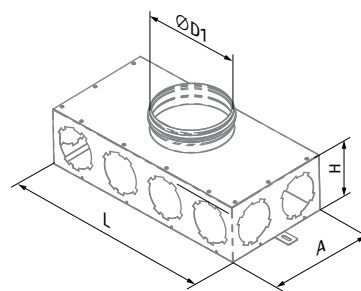
## METAL AIR DISTRIBUTION BOX BLAUFAST SR 160/90x8 01

Supply or exhaust ventilation systems of residential spaces. Distribution of air from the ventilation unit through the ducts.



- The main air duct flange is sealed with a rubber gasket.
- The ducts are connected using BlauFast RKF 90 flanges of appropriate size.
- The flanges are not included in the delivery set.
- Any unused ports are sealed off with BlauFast RSP 90 air distribution box plugs.
- Made of steel with aluzinc coating.

Model	∅D1 [mm]	L [mm]	A [mm]	H [mm]
BlauFast SR 160/90x8 01	157	464	232	125



BlauFast SR 160/90x8 01		Air supply	Air exhaust
Air flow [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

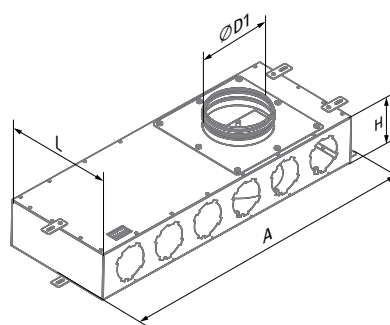
## METAL AIR DISTRIBUTION BOX BLAUFAST SR 160/90x6 04

Supply or exhaust ventilation systems of residential spaces. Distribution of air from the ventilation unit through the ducts.



- The main air duct flange is sealed with a rubber gasket.
- The ducts are connected using BlauFast RKF 90 flanges of appropriate size.
- The flanges are not included in the delivery set.
- Any unused ports are sealed off with BlauFast RSP 90 air distribution box plugs.
- Made of steel with aluzinc coating.

Model	∅D1 [mm]	L [mm]	A [mm]	H [mm]
BlauFast SR 160/90x6 04	157	290	770	125



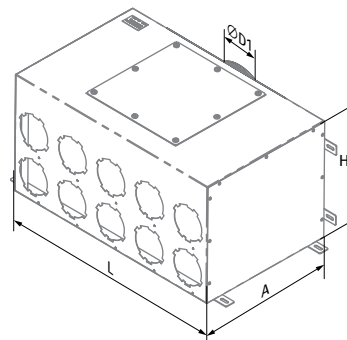
BlauFast SR 160/90x6 04		Air supply	Air exhaust
Air flow [m³/h]	Number of duct connections	Resistance [Pa]	Resistance [Pa]
45	1	0.2	0.1
90	2	0.6	0.5
135	3	1.6	1.4
180	4	3.3	3.0
225	5	5.7	5.7
270	6	7.5	7.3

**METAL AIR  
DISTRIBUTION BOX**  
**BLAUFast SR 160/90x10 02**  
**BLAUFast SR 200/90x10 02**

Supply or exhaust ventilation systems of residential spaces. Distribution of air from the ventilation unit through the ducts.



Model	∅D1 [mm]	L [mm]	A [mm]	H [mm]
BlauFast SR 160/90x10 02	157	580	350	302
BlauFast SR 200/90x10 02	197	580	350	302



- The main air duct flange is sealed with a rubber gasket.
- The ducts are connected using BlauFast RKF 90 flanges of appropriate size.
- The flanges are not included in the delivery set.
- Any unused ports are sealed off with BlauFast RSP 90 air distribution box plugs.
- Made of steel with aluzinc coating. Internal sound insulation layer.

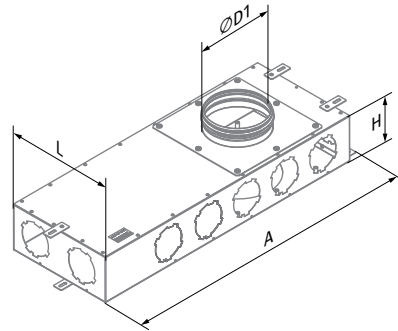
BlauFast SR 160/90x10 02 BlauFast SR 200/90x10 02		Air supply	Air exhaust
Air flow [m³/h]	Number of duct connections	Resistance [Pa]	Resistance [Pa]
45	1	0.2	0.1
90	2	0.8	0.7
135	3	1.8	1.6
180	4	3.1	2.7
225	5	4.3	3.9
270	6	5.5	4.9
315	7	7.1	6.2
360	8	8.5	7.4
405	9	9.5	8.2
450	10	10.3	8.9

## METAL AIR DISTRIBUTION BOX BLAUFAST SR 160/90x10 03

Supply or exhaust ventilation systems of residential spaces.  
Distribution of air from the ventilation unit through the ducts.



Model	∅D1 [mm]	L [mm]	A [mm]	H [mm]
BlauFast SR 160/90x10 03	157	290	770	125



- The main air duct flange is sealed with a rubber gasket.
- The ducts are connected using BlauFast RKF 90 flanges of appropriate size.
- The flanges are not included in the delivery set.
- Any unused ports are sealed off with BlauFast RSP 90 air distribution box plugs.
- Made of steel with aluzinc coating.

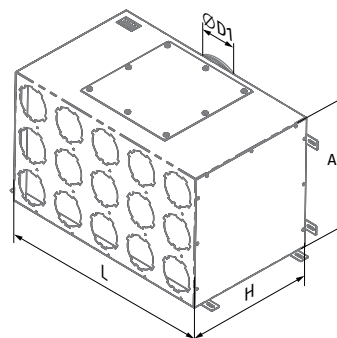
BlauFast SR 160/90x10 03		Air supply	Air exhaust
Air flow [m³/h]	Number of duct connections	Resistance [Pa]	Resistance [Pa]
45	1	0.2	0.1
90	2	1.0	0.7
135	3	2.3	1.8
180	4	4.1	3.5
225	5	6.0	5.9
270	6	7.5	7.3
315	7	9.0	9.0
360	8	10.1	10.0
405	9	10.9	10.8
450	10	11.7	11.3

## METAL AIR DISTRIBUTION BOX BLAUFAST SR 200/90x15 02

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]
BlauFast SR 200/90x15 02	197	580	350	355



- The main air duct flange is sealed with a rubber gasket.
- The ducts are connected using BlauFast RKF 90 flanges of appropriate size.
- The flanges are not included in the delivery set.
- Any unused ports are sealed off with BlauFast RSP 90 air distribution box plugs.
- Made of steel with aluzinc coating.
- Internal sound insulation layer.

BlauFast SR 200/90x15 02		Air supply	Air exhaust
Air flow [m³/h]	Number of duct connections	Resistance [Pa]	Resistance [Pa]
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

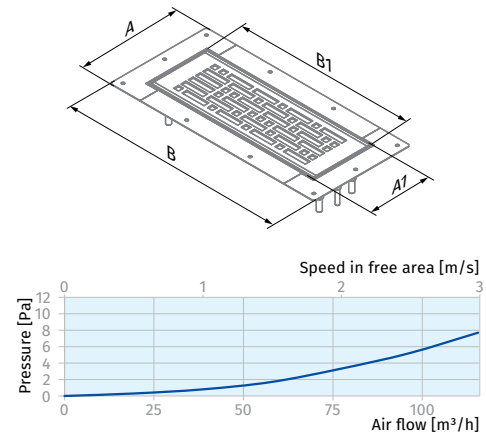
### FLOOR-MOUNTED METAL GRILLE BLAUFAST GF 300x100 03

Supply or exhaust ventilation systems of residential spaces. Installed into floor-mounted connectors.

- Made of metal with white polymer coating.
- Secured with springs.



Model	A [mm]	A1 [mm]	B [mm]	B1 [mm]	Cross-sectional area [m <sup>2</sup> ]
BlauFast GF 300x100 03	178.4	111.7	377.4	309	0.0107



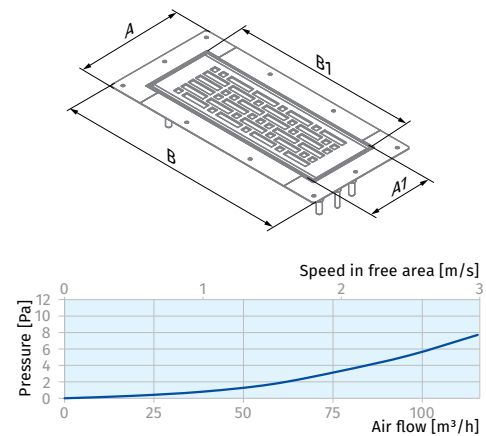
### FLOOR-MOUNTED METAL GRILLE BLAUFAST GF 300x100 04

Supply or exhaust ventilation systems of residential spaces. Installed into floor-mounted connectors.

- Made of brushed stainless steel.
- Secured with springs.



Model	A [mm]	A1 [mm]	B [mm]	B1 [mm]	Cross-sectional area [m <sup>2</sup> ]
BlauFast GF 300x100 04	178.4	111.7	377.4	309	0.0107



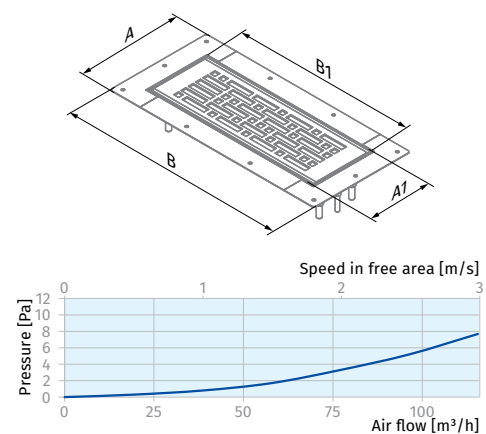
### FLOOR-MOUNTED METAL GRILLE BLAUFAST GF 300x100 12

Supply or exhaust ventilation systems of residential spaces. Installed into floor-mounted connectors.

- Made of polished stainless steel.
- Secured with springs.



Model	A [mm]	A1 [mm]	B [mm]	B1 [mm]	Cross-sectional area [m <sup>2</sup> ]
BlauFast GF 300x100 12	178.4	111.7	377.4	309	0.0107



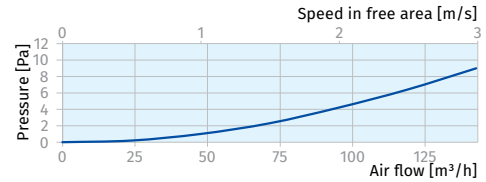
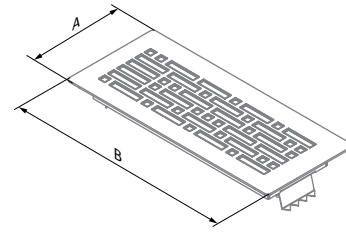
### FLOOR-MOUNTED METAL OVERLAY GRILLE BLAUFAST GF 300x100 07

Supply or exhaust ventilation systems of residential spaces. Installed into floor-mounted connectors.

- Made of metal with white polymer coating.
- Secured with springs.



Model	L [mm]	A [mm]	Cross-sectional area [m <sup>2</sup> ]
BlauFast GF 300x100 07	151	351	0.0132



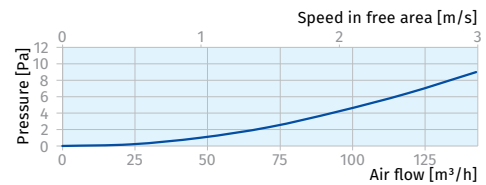
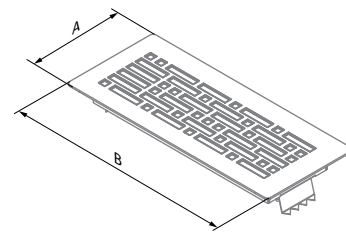
### FLOOR-MOUNTED METAL OVERLAY GRILLE BLAUFAST GF 300x100 08

Supply or exhaust ventilation systems of residential spaces. Installed into floor-mounted connectors.

- Made of brushed stainless steel.
- Secured with springs.



Model	A [mm]	B [mm]	Cross-sectional area [m <sup>2</sup> ]
BlauFast GF 300x100 08	151	351	0.0132



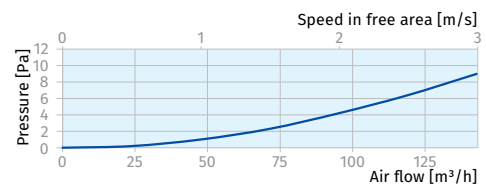
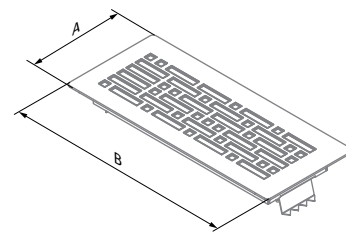
### FLOOR-MOUNTED METAL GRILLE BLAUFAST GF 300x100 10

Supply or exhaust ventilation systems of residential spaces. Installed into floor-mounted connectors.

- Made of polished stainless steel.
- Secured with springs.

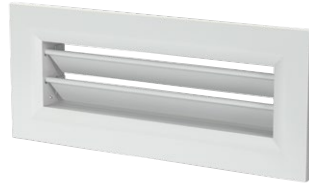


Model	A [mm]	B [mm]	Cross-sectional area [m <sup>2</sup> ]
BlauFast GF 300x100 10	151	351	0.0132



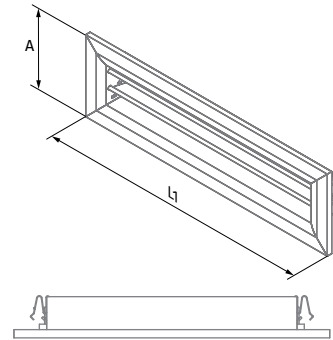
## WALL-MOUNTED METAL GRILLE BLAUFAST GW 234x70 01

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



- The connection dimension is 234x70 mm.
- Made of aluminium with white polymer coating.
- Secured with springs.

Model	A [mm]	L1 [mm]	Cross-sectional area [m <sup>2</sup> ]
BlauFast GW 234x70 01	113	262	0.0108



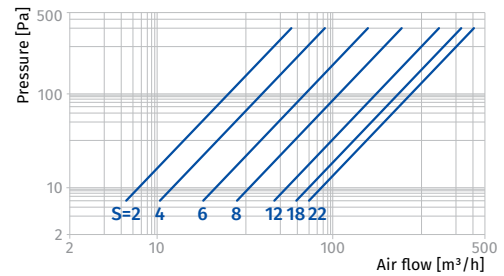
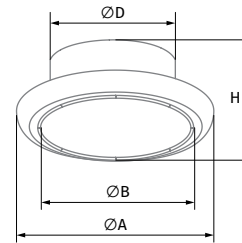
## SUPPLY DISC VALVE VMBR 125

Supply ventilation systems of residential spaces. Installed into wall-mounted connectors.



- Made of metal with white polymer coating.
- Smooth air flow regulation.

Model	ØA [mm]	ØB [mm]	ØD [mm]	ØH [mm]
VMBR 125	166	110	20	124



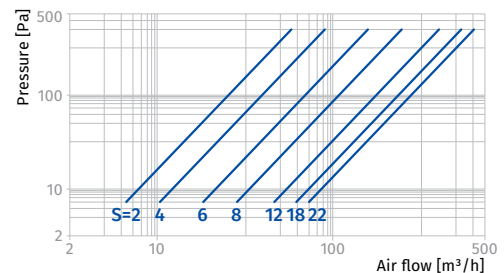
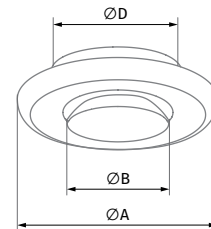
## EXHAUST DISC VALVE VMR 125

Extract ventilation systems of residential spaces. Installed into wall-mounted connectors.



- Made of metal with white polymer coating.
- Smooth air flow regulation.

Model	ØA [mm]	ØB [mm]	ØD [mm]
VMR 125	154	100	124



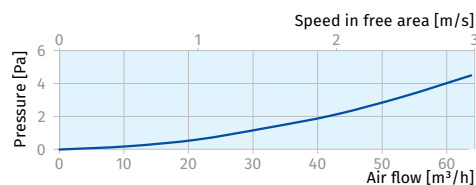
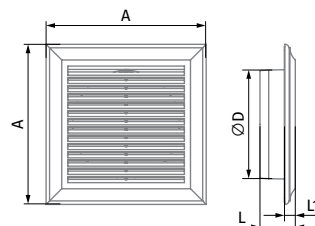
## SQUARE GRILLE DECOR 180x180/125s

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



- Made of antistatic ABS plastic or polystyrene.
- Fixation with screws.
- Includes a mosquito screen.

Model	A [mm]	L [mm]	L1 [mm]	ØD [mm]	Cross-sectional area [m <sup>2</sup> ]
Decor 180x180/125s	180	40.6	12.6	125	0.0059



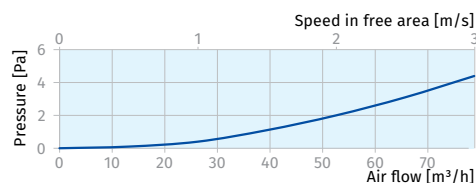
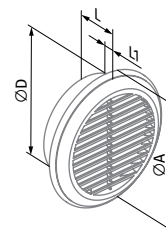
## ROUND GRILLE DECOR 125s

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



- Made of antistatic ABS plastic or polystyrene.
- Fixation with screws.
- Includes a mosquito screen.

Model	ØA [mm]	L [mm]	L1 [mm]	ØD [mm]	Cross-sectional area [m <sup>2</sup> ]
Decor 125s	165	42	14	125	0.0073



## GRILLE TECHNICAL DATA

Grille model	Cross-sectional area [m <sup>2</sup> ]	Air speed through the cross-section [m/s]					
		0.5	1	1.5	2	2.5	3
		Air flow [m <sup>3</sup> /h]					
BlauFast GF 300x100 03	0.0107	19	39	58	77	96	116
BlauFast GF 300x100 04	0.0107	19	39	58	77	96	116
BlauFast GF 300x100 12	0.0107	19	39	58	77	96	116
BlauFast GF 300x100 07	0.0132	24	48	71	95	119	143
BlauFast GF 300x100 08	0.0132	24	48	71	95	119	143
BlauFast GF 300x100 10	0.0132	24	48	71	95	119	143
BlauFast GW 234x70 01	0.0108	19	39	58	78	97	117
Decor 180x180/125s	0.0059	11	21	32	42	53	64
Decor 125s	0.0073	13	26	39	53	66	79



## ACCESSORIES

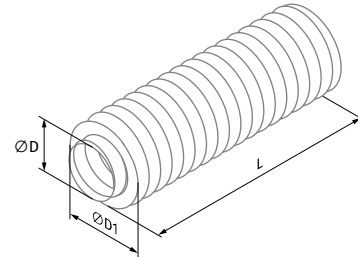
### FLEXIBLE INSULATED DUCT BLAUFLEX ISO N

Supply or exhaust ventilation systems of residential spaces. Connecting air handling units to air distribution boxes.



- The duct is made of aluminum foil and laminated with poly-ether film.
- The duct is fixed to the spigots using clamps or an A-band mounting tape.

Model	ØD [mm]	ØD1 [mm]	L [mm]
BlauFlex Iso N/127/7.6	127	152	7.6
BlauFlex Iso N/152/7.6	152	177	7.6
BlauFlex Iso N/162/7.6	162	187	7.6
BlauFlex Iso N/203/7.6	203	228	7.6



Product item	BlauFlex Iso N
Size range [mm]	127; 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

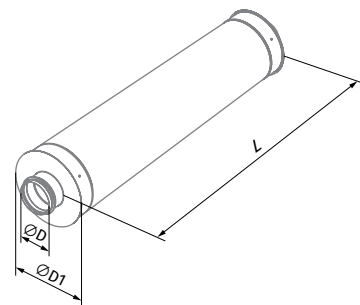
### SILENCER SD

Applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems.



- The galvanized steel casing of the SD 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 tape.

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



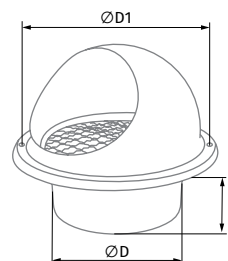
## METAL HOOD DECOR S ... HK

Decoration of supply and exhaust ventilation outlets.



- Made of stainless steel.
- Equipped with a protective grid.
- Rubber seals for tight contact to the wall.
- Fixation with screws.

Model	Cross-sectional area [cm <sup>2</sup> ]	ØD [mm]	ØD1 [mm]	L [mm]
Decor S 122 HK	82	120	165	52
Decor S 152 HK	126	145	192	62
Decor S 162 HK	135	155	192	62
Decor S 202 HK	178	195	253	73



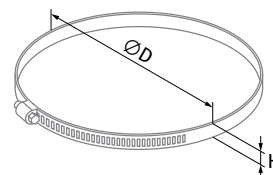
## CLAMP K ... ZN

Connecting flexible insulated ducts to spigots of air handling units and to air distribution boxes.



- Made of galvanized steel.

Model	ØD [mm]	H [mm]
K 125 Zn	110-130	9
K 150 Zn	140-160	9
K 160 Zn	150-170	9
K 200 Zn	190-210	9



## ALUMINIUM MOUNTING TAPE A-BAND 050/10

Protection against external impacts and sealing of connections of flexible insulated ducts to other system elements.



- 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.

Model	A-band 050/10
Length [m]	10
Width L [mm]	50
Total tape thickness [µm]	32
Breaking force	57 N/25 mm <sup>2</sup>
Elongation at break [no less %]	3
Adhesiveness	8.25 N/25 mm <sup>2</sup>
Temperature of application [°C]	+10...+40
Max. temp. of operating surface [°C]	+100
UV-resistance	+

## BUTYL RUBBER SEALING TAPE D-BAND 050/15

Sealing of duct/flange connection before casting.

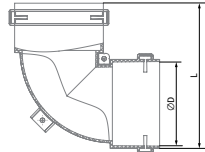
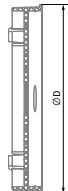
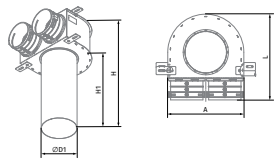
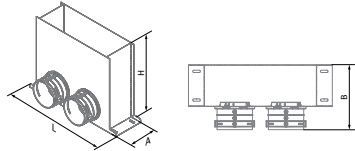
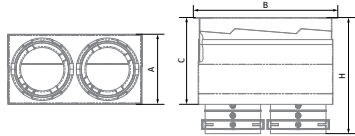
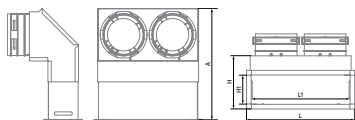
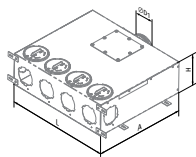
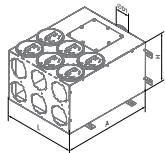
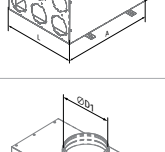
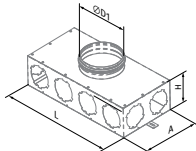


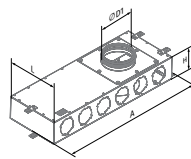
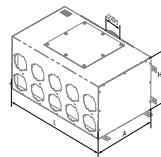
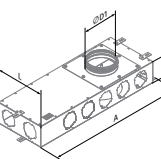
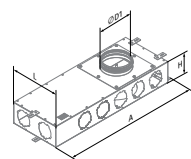
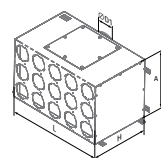
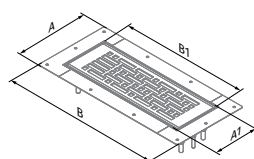
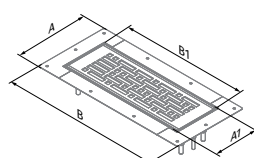
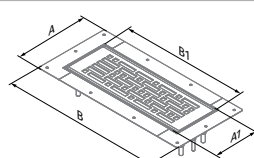
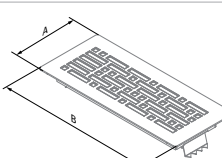
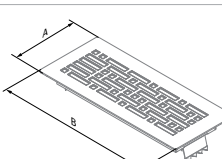
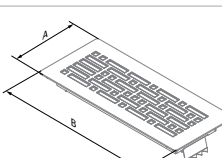
- Made of butyl rubber.
- The tape is supplied in rolls and the glue layer is protected with an extra protecting layer.
- Waterproof.

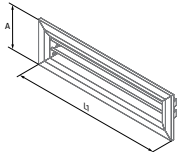
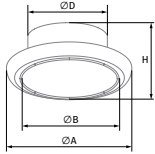
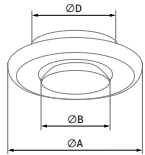
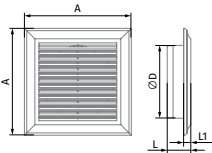
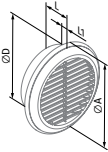
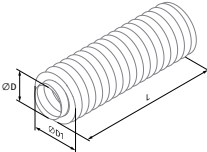
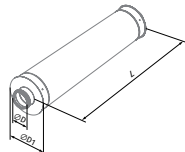
Model	D-band 050/15
Length [m]	15
Width [mm]	50
Temperature of application [°C]	+5...+30
Operating temperature [°C]	-20...+70

## PRODUCT LIST

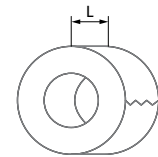
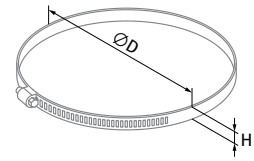
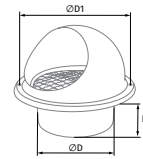
Product	Name	Dimensions				
Round duct	BlauFast RK 90/50					
Round duct with antibacterial and antistatic treatment	BlauFast RK 90/50 01	ØD [mm]	ØD1 [mm]	L [mm]		
Round duct with antistatic treatment	BlauFast RK 90/50 02	90	76.5	50		
Round duct	BlauFast RK 90/20					
Round duct with antibacterial and antistatic treatment	BlauFast RK 90/20 01	ØD [mm]	ØD1 [mm]	L [mm]		
Round duct with antistatic treatment	BlauFast RK 90/20 02	90	76.5	20		
Round flange	BlauFast RKF 90	ØD [mm]	ØD1 [mm]	ØD2 [mm]	L [mm]	
		111	79.4	100.6	76.5	
Versatile lock	BlauFast S	H [mm]	L [mm]	A [mm]		
		28	18	14.5		
Round pipe plug	BlauFast RKP 90	ØD [mm]	ØD1 [mm]	L [mm]		
		91	94	50		
Round flange plug	BlauFast RFP 90	ØD [mm]	ØD1 [mm]	L [mm]		
		91	115	32		
Air distribution box plug	BlauFast RSP 90	ØD [mm]	L [mm]			
		111	29			
Seal ring	BlauFast RL 90	ØD [mm]				
		94				
Coupling sleeve	BlauFast RM 90	ØD [mm]	L [mm]			
		101	105			

Product	Name	Dimensions															
Round bend	BlauFast RB 90	<table border="1"> <thead> <tr> <th>ØD [mm]</th> <th>L [mm]</th> </tr> </thead> <tbody> <tr> <td>94</td> <td>167</td> </tr> </tbody> </table>		ØD [mm]	L [mm]	94	167										
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Round air throttling damper	BlauFast RD 90	<table border="1"> <thead> <tr> <th>ØD [mm]</th> <th>L [mm]</th> </tr> </thead> <tbody> <tr> <td>78</td> <td>14</td> </tr> </tbody> </table>		ØD [mm]	L [mm]	78	14										
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Ceiling-mounted metal connector	BlauFast RPZ 125/90x2 M	<table border="1"> <thead> <tr> <th>ØD1 [mm]</th> <th>L [mm]</th> <th>A [mm]</th> <th>H [mm]</th> <th>H1 [mm]</th> </tr> </thead> <tbody> <tr> <td>127</td> <td>261</td> <td>232</td> <td>424</td> <td>300</td> </tr> </tbody> </table>					ØD1 [mm]	L [mm]	A [mm]	H [mm]	H1 [mm]	127	261	232	424	300	
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Floor-mounted metal connector	BlauFast RPF 300x100/90x2 M	<table border="1"> <thead> <tr> <th>L [mm]</th> <th>A [mm]</th> <th>B [mm]</th> <th>H [mm]</th> </tr> </thead> <tbody> <tr> <td>401</td> <td>115</td> <td>180.5</td> <td>300</td> </tr> </tbody> </table>				L [mm]	A [mm]	B [mm]	H [mm]	401	115	180.5	300				
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Wall-mounted metal connector	BlauFast RPW 234x70/90x2 M	<table border="1"> <thead> <tr> <th>A [mm]</th> <th>B [mm]</th> <th>C [mm]</th> <th>H [mm]</th> </tr> </thead> <tbody> <tr> <td>134</td> <td>256.5</td> <td>119-219</td> <td>269.2</td> </tr> </tbody> </table>				A [mm]	B [mm]	C [mm]	H [mm]	134	256.5	119-219	269.2				
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Product	Name	Dimensions				
Metal air distribution box	BlauFast SR 160/90x6 04	$\varnothing D1$ [mm]	L [mm]	A [mm]	H [mm]	
		157	290	770	125	
Metal air distribution box	BlauFast SR 160/90x10 02	$\varnothing D1$ [mm]	L [mm]	A [mm]	H [mm]	
		157	580	350	302	
Metal air distribution box	BlauFast SR 200/90x10 02	$\varnothing D1$ [mm]	L [mm]	A [mm]	H [mm]	
		197	580	350	302	
Metal air distribution box	BlauFast SR 160/90x10 03	$\varnothing D1$ [mm]	L [mm]	A [mm]	H [mm]	
		157	290	770	125	
Metal air distribution box	BlauFast SR 200/90x15 02	$\varnothing D1$ [mm]	L [mm]	A [mm]	H [mm]	
		197	580	350	355	
Floor-mounted metal grille	Blaufast GF 300x100 03	A [mm]	A1 [mm]	B [mm]	B1 [mm]	
		178.4	111.7	377.4	309	
Floor-mounted metal grille	Blaufast GF 300x100 04	A [mm]	A1 [mm]	B [mm]	B1 [mm]	
		178.4	111.7	377.4	309	
Floor-mounted metal grille	Blaufast GF 300x100 12	A [mm]	A1 [mm]	B [mm]	B1 [mm]	
		178.4	111.7	377.4	309	
Floor-mounted metal overlay grille	Blaufast GF 300x100 07	L [mm]	A [mm]			
		151	351			
Floor-mounted metal overlay grille	Blaufast GF 300x100 08	A [mm]	B [mm]			
		151	351			
Floor-mounted metal grille	Blaufast GF 300x100 10	A [mm]	B [mm]			
		151	351			

Product	Name	Dimensions				
Wall-mounted metal grille	BlauFast GW 234x70 01	<b>A [mm]</b>	<b>L1 [mm]</b>			
		113	262			
Supply disc valve	VMBR 125	<b>ØA [mm]</b>	<b>ØB [mm]</b>	<b>ØD [mm]</b>	<b>H [mm]</b>	
		167	112	124	60	
Exhaust disc valve	VMR 125	<b>ØA [mm]</b>	<b>ØB [mm]</b>	<b>ØD [mm]</b>		
		154	100	124		
Square grille	DECOR 180x180/125s	<b>A [mm]</b>	<b>L [mm]</b>	<b>L1 [mm]</b>	<b>ØD [mm]</b>	
		180	40.6	12.6	125	
Round grille	Decor 125s	<b>ØA [mm]</b>	<b>L [mm]</b>	<b>L1 [mm]</b>	<b>ØD [mm]</b>	
		165	42	14	125	
Flexible insulated duct	BlauFlex Iso N/127/7.6	<b>ØD [mm]</b>	<b>ØD1 [mm]</b>	<b>L [mm]</b>		
	BlauFlex Iso N/152/7.6	127	152	7.6		
	BlauFlex Iso N/162/7.6	152	177	7.6		
	BlauFlex Iso N/203/7.6	162	187	7.6		
Silencer	SD 125/900	<b>ØD [mm]</b>	<b>ØD1 [mm]</b>	<b>L [mm]</b>		
	SD 150/900	125	225	900		
	SD 160/900	149	250	900		
	SD 200/900	159	252	900		
	SD 200/900	<b>ØD [mm]</b>	<b>ØD1 [mm]</b>	<b>L [mm]</b>		
		198	318	900		

Product	Name	Dimensions		
Metal hood	Decor S 122 HK	ØD [mm]	ØD1 [mm]	L [mm]
		120	165	52
	Decor S 152 HK	ØD [mm]	ØD1 [mm]	L [mm]
		145	192	62
Metal hood	Decor S 162 HK	ØD [mm]	ØD1 [mm]	L [mm]
		155	192	62
Metal hood	Decor S 202 HK	ØD [mm]	ØD1 [mm]	L [mm]
		195	253	73
Clamp	K 125 Zn	ØD [mm]	H [mm]	
		110-130	9	
	K 150 Zn	ØD [mm]	H [mm]	
		140-160	9	
Clamp	K 160 Zn	ØD [mm]	H [mm]	
		150-170	9	
Clamp	K 200 Zn	ØD [mm]	H [mm]	
		190-210	9	
Aluminium mounting tape	A-band 050/10	L [mm]		
		50		
Butyl rubber sealing tape	D-band 050/15	L [mm]		
		50		



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