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KATALOG IZDELKOV 2025

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DR-H

VARIABILNI VRTINČNI DIFUZOR VARIABLE SWIRL DIFFUSER

OPIS:

Variabilni vrtinčni difuzor DR-H je difuzor velikih zmogljivosti in dolgih dometov. Namenjen je ogrevanju in hlajenju prostorov z odprtimi stropi višine od 3 do 15 m. Dovoljuje natančno nastavitev razmerja med horizontalnim in vertikalnim vpihom zraka v prostor ob minimalnem vplivu na spremembo tlaka.

KONSTRUKCIJA:

- okroglo ohišje s priključno odprtino na horizontalni poziciji
- odprtine za dovod zraka v prostor na obodu in na spodnji plošči difuzorja
- nastavek za regulacijo smeri in količine zraka
- razpršilna perforirana pločevina znotraj ohišja skrbi za enakomerno porazdelitev zraka po difuzorju

POGON:

- **C** - ročna nastavitev
- **E** - elektro motorni pogon:
 - CM24-L
 - CM230-L

Motorni pogon se lahko vgradi le na difuzorje dimenzij D1=400 do 800.

- **T** - termostatski pogon, ki zaznava temperaturo dovodnega zraka in samodejno uravnava odprtost izpušnih odprtin. Termostatski element deluje v temperaturnem območju od 22 °C do 38 °C. Deluje avtomatsko in ne potrebuje dodatnih virov energije in s tem povezanih instalacij. Difuzor je nastavljen na optimalen položaj in aktiviran že v tovarni.

MATERIAL:

- STANDARD: pocinkana pločevina
- OPCIJA:
 - nerjaveča pločevina INOX AISI 304 SB
 - nerjaveča pločevina INOX AISI 316 SB

BARVA: bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

MONTAŽA: z obešali pod strop

DESCRIPTION:

The DR-H variable swirl diffuser is a high-performance, long-range diffuser. It is designed for heating and cooling rooms with open ceilings from 3 to 15 m high. It allows the precise adjustment of the ratio between horizontal and vertical air intake with minimal influence on pressure variation.

CONSTRUCTION:

- round housing with connection opening on the horizontal position
- air inlet openings at the perimeter and at the bottom plate of the diffuser
- element for controlling the direction and volume of air
- an internal perforated sheet ensures even distribution of air throughout the diffuser

DRIVE:

- **C** - manual setting
- **E** - electric actuator:
 - CM24-L
 - CM230-L

The electric motor drive can only be installed on diffusers of dimensions D1=400 to 800.

- **T** - thermostatic actuator that senses the temperature of the supply air and automatically adjusts the opening of the exhaust vents. The thermostatic element operates in a temperature range from 22 °C to 38 °C. It operates automatically and does not require additional energy sources and associated installations. The diffuser is set to the optimum position and activated at the factory.

MATERIAL:

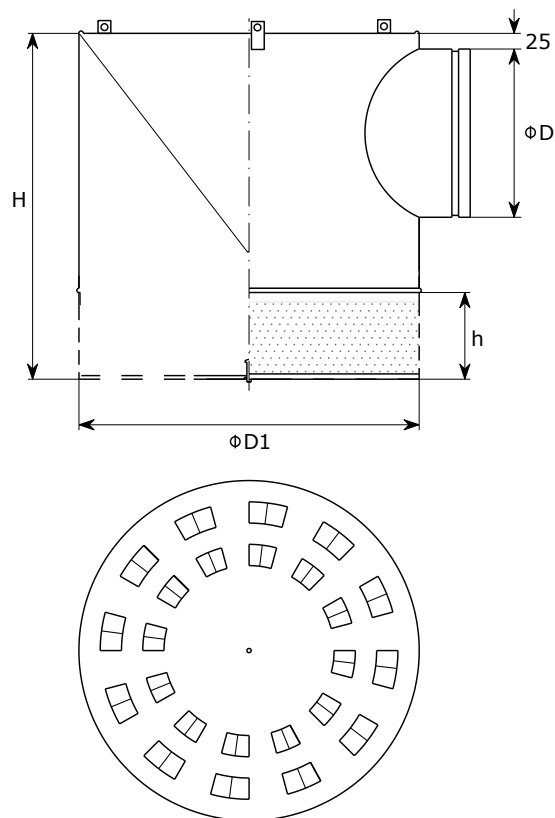
- STANDARD: galvanized sheet metal
- OPTION:
 - stainless steel sheet metal INOX AISI 304 SB
 - stainless steel sheet metal INOX AISI 316 SB

FINISH: RAL 9010 MAT white, or any colour from the RAL palette

INSTALLATION: suspended from the ceiling

DIMENZIJE / DIMENSIONS:

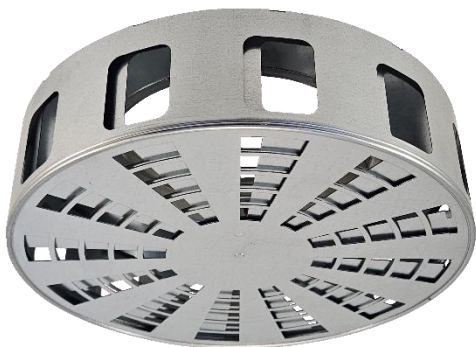
dim	Ø D	Ø D1	H	h	Q (m ³ /h)
200/125	123	202	328	85	120-300
250/150	148	252	374	96	190-480
250/160	158				
300/200	198	302	425	107	280-700
400/250	248	402	498	130	490-1250
500/315	313	502	585	152	780-1950
600/355	353	602	692	174	1150-2850
600/400	398				
800/500	498	802	837	219	2000-5100



NAČIN NAROČANJA / HOW TO ORDER:

DR-H	C	400	250	ZN	RAL 9010 M	LD
						dodatki / supplements ISO 6 - izolirano 6mm znotraj / insulated 6mm inside LD - tesnilni obroč na priklonu / rubber seal on spigot
					barva / colour brez barve / without colour RAL 9010 MAT poljubna / optional	
					material / material ZN pocinkana pločevina / galvanized sheet metal INOX AISI 304 pločevina / INOX AISI 304 sheet metal INOX AISI 316 pločevina / INOX AISI 316 sheet metal	
					dimenzija priklona / connection opening dimension standard 125, 150, 160, 200, 250, 315, 355, 400, 500	
					dimenzija difuzorja / diffuser dimension standard 200, 250, 300, 400, 500, 600, 800	
					pogon / drive C - ročni / manual E - elektro motorni pogon CM24-L ali CM230-L / electric actuator CM24-L or CM230-L (D1=400-800 mm) T - termostatski pogon / thermostatic drive	

tip difuzorja / diffuser type



DR-V

VARIABILNI VRTINČNI DIFUZOR VARIABLE SWIRL DIFFUSER

OPIS:

Variabilni vrtinčni difuzor DR-V je difuzor velikih zmogljivosti in dolgih dometov. Namenjen je ogrevanju in hlajenju prostorov z odprtimi stropi višine od 3 do 15 m. Dovoljuje natančno nastavitev razmerja med horizontalnim in vertikalnim vpihom zraka v prostor ob minimalnem vplivu na spremembo tlaka.

KONSTRUKCIJA:

- okroglo ohišje s priključno odprtino na vertikalni poziciji
- odprtine za dovod zraka na obodu in na spodnji plošči difuzorja
- nastavek za regulacijo smeri in količine zraka

POGON:

- **C** - ročna nastavitev
- **E** - elektro motorni pogon:
 - CM24-L
 - CM230-L
 Motorni pogon se lahko vgradi le na difuzorje dimenzij D1=400 do 800.
- **T** - termostatski pogon, ki zaznava temperaturo dovodnega zraka in samodejno uravnava odprtost izpušnih odprtin. Termostatski element deluje v temperaturnem območju od 22 °C do 38 °C. Deluje avtomatsko in ne potrebuje dodatnih virov energije in s tem povezanih instalacij. Difuzor je nastavljen na optimalen položaj in aktiviran že v tovarni.

MATERIAL:

- STANDARD: pocinkana pločevina
- OPCIJA:
 - nerjaveča pločevina INOX AISI 304 SB
 - nerjaveča pločevina INOX AISI 316 SB

BARVA:

bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

MONTAŽA: z obešali pod strop

DESCRIPTION:

The DR-H variable swirl diffuser is a high-performance, long-range diffuser. It is designed for heating and cooling rooms with open ceilings from 3 to 15 m high. It allows the precise adjustment of the ratio between horizontal and vertical air intake with minimal influence on pressure variation.

CONSTRUCTION:

- round housing with connection opening on the vertical position
- air inlet openings at the perimeter and at the bottom plate of the diffuser
- element for controlling the direction and volume of air

DRIVE:

- **C** - manual setting
- **E** - electric actuator:
 - CM24-L
 - CM230-L

The electric motor drive can only be installed on diffusers of dimensions D1=400 to 800.

- **T** - thermostatic actuator that senses the temperature of the supply air and automatically adjusts the opening of the exhaust vents. The thermostatic element operates in a temperature range from 22 °C to 38 °C. It operates automatically and does not require additional energy sources and associated installations. The diffuser is set to the optimum position and activated at the factory.

MATERIAL:

- STANDARD: galvanized sheet metal
- OPTION:
 - stainless steel sheet metal INOX AISI 304 SB
 - stainless steel sheet metal INOX AISI 316 SB

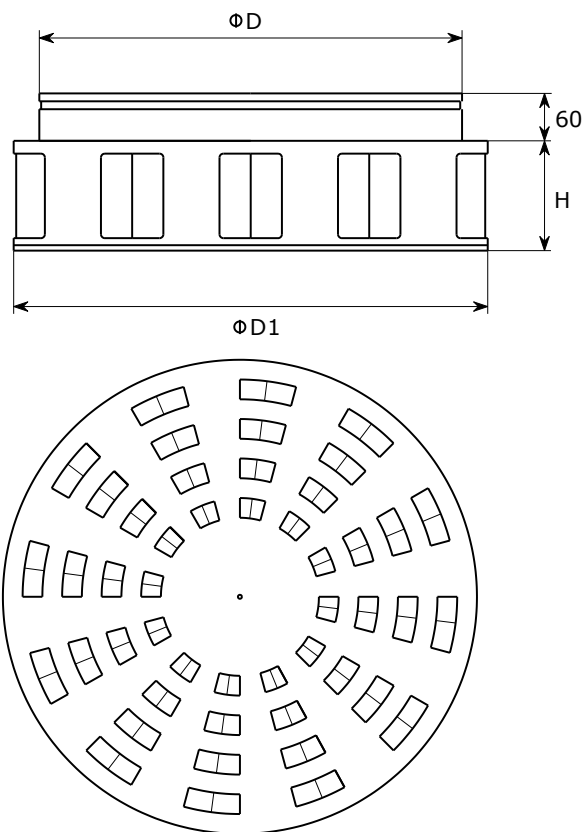
FINISH:

RAL 9010 MAT white, or any colour from the RAL palette

INSTALLATION: suspended from the ceiling

DIMENZIJE / DIMENSIONS:

dim	Ø D	Ø D1	H	Q (m3/h)
250/125	123	250	79	100-340
300/150	148	300	89	160-550
300/160	158			160-550
400/200	198	400	105	300-1040
400/250	248			300-1040
500/315	313	500	107	380-1330
600/355	353	600	139	680-2350
600/400	398			680-2350
800/500	498	800	172	1210-4150



HITRA IZBIRA / FAST SELECTION:

NAČIN NAROČANJA / HOW TO ORDER:

DR-V	T	400	250	ZN	RAL 9010 M
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dodatki / supplements

LD – tesnilni obroč na priklopu / rubber seal on spigot

barva / colour

brez barve / without colour

RAL 9010 MAT

poljubna / optional

material / material

ZN pocinkana pločevina / galvanized sheet metal

INOX AISI 304 pločevina / INOX AISI 304 sheet metal

INOX AISI 316 pločevina / INOX AISI 316 sheet metal

dimenzija priklopa / connection opening dimension

standard 125, 150, 160, 200, 250, 315, 355, 400, 500

dimenzija difuzorja / diffuser dimension

standard 200, 250, 300, 400, 500, 600, 800

pogon / drive

C – ročni / manual

E + Belimo ... – z montiranim elektro pogonom / with electric actuator (D1=400-800 mm)

T – termostatski pogon / thermostatic drive

tip difuzorja / diffuser type



TWIST AIR

VARIABILNI VRTINČNI DIFUZOR VARIABLE SWIRL DIFFUSER

OPIS:

Variabilni vrtinčni difuzor Twist air je namenjen hlajenju in ogrevanju velikih prostorov višine od 4 do 12 m. Omogoča turbulenten tok zraka, dolge domete pri ogrevanju in enakomerno razpršitev zraka pod stropom pri hlajenju – Coanda efekt.

KONSTRUKCIJA: Difuzor sestavlja lijakasto oblikovano ohišje, dimenzije od 200 do 400 imajo 6 centralno nastavljivih lopatic s PVC mehanizmom, dimenziji 500 in 630 pa imata 10 centralno nastavljivih lopatic s kovinskim mehanizmom.

MATERIAL: aluminijasta pločevina

BARVA: bela barva RAL 9010 MAT ali na željo kupca poljubna barva po RAL lestvici

DODATKI:

PP - perforirana plošča v vratu difuzorja
PB 3 - priključna komora PB3

POGON:

C - centralna ročna nastavitvev položaja lopatic

E - pripravljen za montažo elektromotornega pogona.

Na željo kupca se elektromotor tudi namesti na ohišje difuzorja.

- LM230A
- LM230A SR
- LM24A
- LM 24 A SR

T - difuzor ima vgrajen termostatski pogon, ki zaznava temperaturo vpihanega zraka in samodejno uravnava položaj lopatic. Termostatski element deluje v temperaturnem območju 22 °C do 38 °C. Deluje avtomatsko in ne potrebuje dodatnih virov energije in s tem povezanih instalacij. Difuzor je nastavljen na optimalen položaj in aktiviran že v tovarni. Lopatice so pri temperaturi 38 °C odprte pod kotom 85°. Pri temperaturi 20 °C mehanska blokada zaustavi zapiranje lopatic pod kotom 35°.

DESCRIPTION:

The Twist air variable swirl diffuser can be used for various ceiling heights from 4 m to 12 m. It enables turbulent airflow, long-range constant airflow and the Coanda effect – where cold air is dispersed below the ceiling.

CONSTRUCTION: The diffuser consists of a nozzle-shaped housing, dimensions 200 to 400 have 6 centrally adjustable blades with a PVC mechanism, dimensions 500 and 630 have 10 centrally adjustable blades with a metal mechanism.

MATERIAL: aluminium sheet metal

FINISH: white RAL 9010 MATT or any RAL colour according to the customer's request.

ACCESSORIES:

PP - perforated plate placed on the neck of the diffuser
PB 3 - plenum box PB3

DRIVE:

C - central manual drive

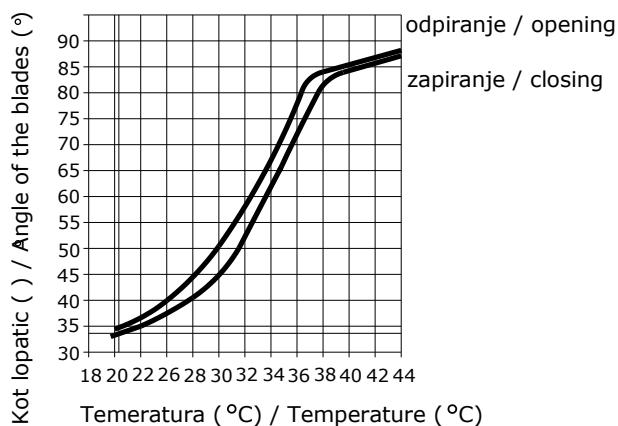
E - ready for electric drive

Upon request, the electric motor drive can be added on the diffuser:

- LM230A
- LM230A SR
- LM24A
- LM 24 A SR

T - thermostatic drive installed inside diffuser perceives a surroundings temperature and automatically adjusts the position of the blades. It does not need any additional source of energy, installations or settings. Diffuser is set in an optimal position and activated in the production. The wax element works in a temperature range from 22 °C to 38 °C. At temperature 38 °C the blades are open at 85° angle. At temperature 20 °C the blockade fixed on the holder stops the blades in position of 35° angle.

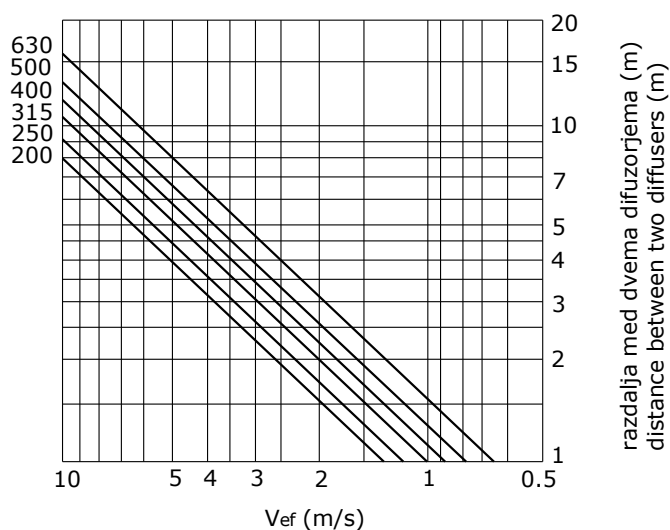
Delovanje difuzorja s termostatskim pogonom: / Operation of diffuser with thermostatic drive:



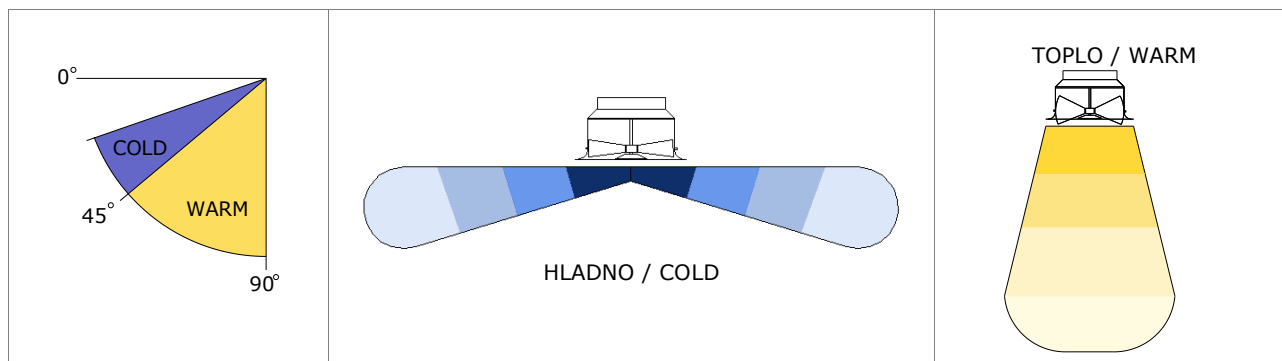
MINIMALNA RAZDALJA MED DIFUZORJI: / MINIMUM DISTANCE BETWEEN DIFFUSERS:

Minimalna razdalja med difuzorjema mora biti pri minimalnem pretoku zraka vsaj 5x premer difuzorja in vsaj 10x premer difuzorja pri maksimalnem pretoku zraka.

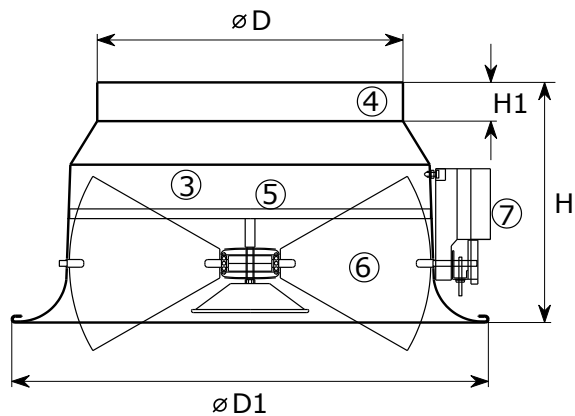
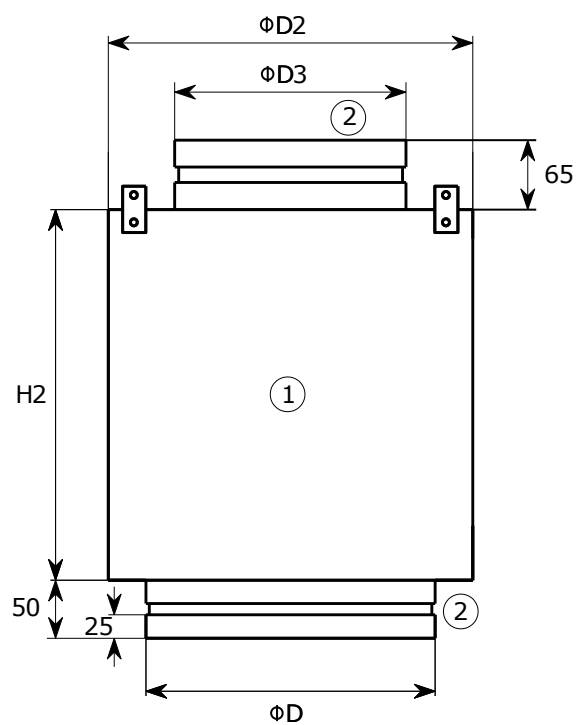
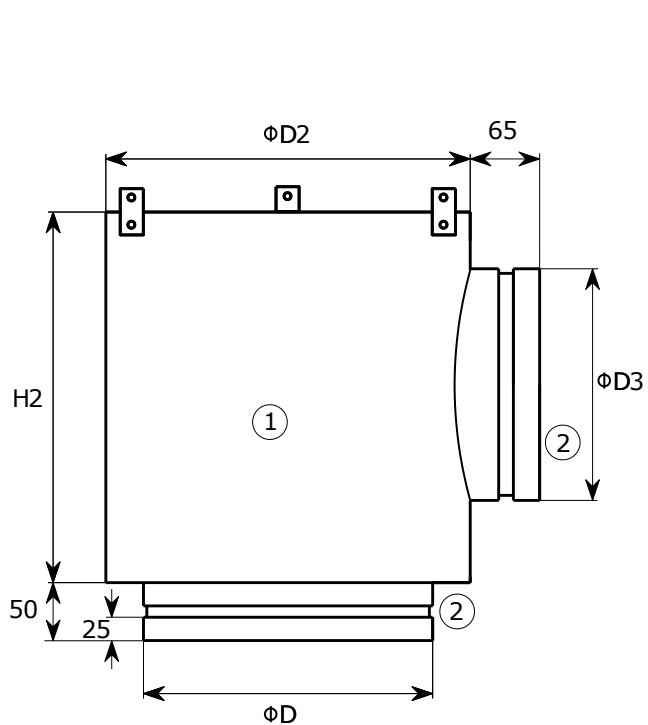
Minimum distance between two diffusers must be at least 5 times the diameter of the diffuser at minimum flow and 10 times the diameter of the diffuser at maximum flow.



KOT LOPATIC IN SMER ZRAČNEGA CURKA: / ANGLE OF BLADES AND DIRECTION OF AIR FLOW:



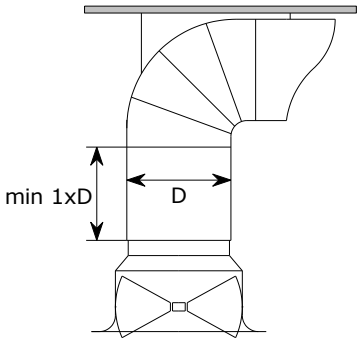
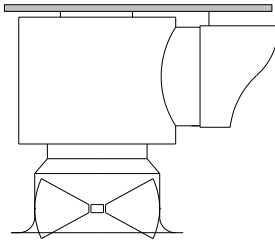
DIMENZIJE / DIMENSIONS:



1. komora PB3 / plenum box PB3
2. priključna odprtina / connection opening
3. difuzor / diffuser
4. reducir / reducer
5. prečka / traverse
6. lopatice / blades
7. električni pogon / electric drive

D	Ø D	Ø D1	Ø D2	Ø D3	H	H1	H2
200	198	310	300	158	174	40	230
250	248	400	350	198	200	40	270
315	313	488	415	248	248	40	320
400	398	615	500	313	265	55	385
500	498	790	630	398	320	60	470
630	628	920	800	498	320	80	570

MONTAŽA / INSTALLATION:

Pritrditev na cev / Fitting on air shaft.	Pritrditev na priključno komoro PB3 / Fitting on plenum box PB3
	

NAČIN NAROČANJA / HOW TO ORDER:

TWIST AIR	C	315	RAL 9010	PP	PB 3	315	/	250	H	L	ISO 6mm
											izolacija / insulation 6 mm, 10 mm, 13 mm, 19 mm loputka / damper pozicija priključka / connection position H – horizontalen / horizontal V – vertikalni / vertical priključek / connection opening standard poljuben / optional dimenzija komore / plenum dimension komora / plenum PB3 komora / plenum dodatki / supplements PP – perforirana razpršilna plošča / perforated dispersing plate ZM – zaščitna mreža / protective mesh barva / colour standard RAL 9010 MAT optional dimenzija difuzorja / diffuser dimension 200, 250, 315, 400, 500, 630 pogon / drive C – centralni ročni pogon / central manual drive E – pripravljeno za elektromotorni pogon / ready for electric drive E + BELIMO ... – montiran el. pogon / mounted electric drive T – montiran termični pogon / mounted thermostatic drive
tip difuzorja / diffuser type											

HITRA IZBIRA Z IZBORNIM PROGRAMOM / FAST SELECTION WITH SELECTION TOOL: <https://izdelki.kosanc.si>

IZBIRNA TABELA / SELECTION TABLE:

Q [m ³ /h]	dim	200	250	315	400	500	630
300	Lh [m]	1,6					
	PT [Pa]	10					
	NH [db(A)]	25					
	Lv [m]	3,4					
	PT [Pa]	<5					
	NH [db(A)]	<20					
400	Lh [m]	2,4	1,5				
	PT [Pa]	19	7				
	NH [db(A)]	31	22				
	Lv [m]	5,2	3,2				
	PT [Pa]	7	<5				
	NH [db(A)]	22	<20				
500	Lh [m]	3,4	2,1				
	PT [Pa]	30	11				
	NH [db(A)]	36	25				
	Lv [m]	7,3	4,4				
	PT [Pa]	12	<5				
	NH [db(A)]	26	<20				
600	Lh [m]		2,7	1,7			
	PT [Pa]		15	6			
	NH [db(A)]		29	21			
	Lv [m]		5,8	3,6			
	PT [Pa]		6	<5			
	NH [db(A)]		21	<20			
700	Lh [m]		3,4	2,1			
	PT [Pa]		21	8			
	NH [db(A)]		32	23			
	Lv [m]		7,3	4,5			
	PT [Pa]		8	<5			
	NH [db(A)]		23	<20			
800	Lh [m]		4,2	2,6			
	PT [Pa]		28	10			
	NH [db(A)]		35	25			
	Lv [m]		8,9	5,5			
	PT [Pa]		11	<5			
	NH [db(A)]		26	<20			
900	Lh [m]			3,1			
	PT [Pa]			13			
	NH [db(A)]			27			
	Lv [m]			6,6			
	PT [Pa]			5			
	NH [db(A)]			20			

Q [m ³ /h]	dim	200	250	315	400	500	630
1000	Lh [m]			3,6	2,5		
	PT [Pa]			16	7		
	NH [db(A)]			30	22		
	Lv [m]			7,7	5,3		
	PT [Pa]			6	<5		
	NH [db(A)]			21	<20		
1200	Lh [m]			4,7	3,2	2,1	
	PT [Pa]			24	11	<5	
	NH [db(A)]			34	26	<20	
	Lv [m]			10,2	6,9	4,6	
	PT [Pa]			9	<5	<5	
	NH [db(A)]			24	<20	<20	
1400	Lh [m]			6,0	4,1	2,7	
	PT [Pa]			33	15	6	
	NH [db(A)]			38	28	21	
	Lv [m]			12,8	8,7	5,7	
	PT [Pa]			13	6	<5	
	NH [db(A)]			27	21	<20	
1600	Lh [m]				5,0	3,3	
	PT [Pa]				20	8	
	NH [db(A)]				31	23	
	Lv [m]				10,6	7,0	
	PT [Pa]				8	<5	
	NH [db(A)]				23	<20	
1800	Lh [m]				5,9	3,9	
	PT [Pa]				25	10	
	NH [db(A)]				34	25	
	Lv [m]				12,7	8,4	
	PT [Pa]				10	<5	
	NH [db(A)]				25	<20	
2000	Lh [m]				6,9	4,6	2,7
	PT [Pa]				31	13	<5
	NH [db(A)]				37	27	<20
	Lv [m]				14,9	9,8	5,8
	PT [Pa]				12	5	<5
	NH [db(A)]				27	20	<20
2500	Lh [m]					6,4	3,8
	PT [Pa]					21	7
	NH [db(A)]					32	22
	Lv [m]					13,7	8,1
	PT [Pa]					8	<5
	NH [db(A)]					23	<20
3000	Lh [m]					8,4	4,9
	PT [Pa]					31	10
	NH [db(A)]					37	25
	Lv [m]					18,0	10,6
	PT [Pa]					12	<5
	NH [db(A)]					27	<20

Q [m³/h]	dim	200	250	315	400	500	630
3500	Lh [m]						6,2
	PT [Pa]						14
	NH [db(A)]						28
	Lv [m]						13,4
	PT [Pa]						5
	NH [db(A)]						20
4000	Lh [m]						7,6
	PT [Pa]						18
	NH [db(A)]						31
	Lv [m]						16,3
	PT [Pa]						7
	NH [db(A)]						22
4500	Lh [m]						9,1
	PT [Pa]						24
	NH [db(A)]						33
	Lv [m]						19,5
	PT [Pa]						9
	NH [db(A)]						24

Dometa zraka je izračunan do hitrosti 0,2 m/s / Air flow range is calculated up to the velocity of 0.2 m/s

Q - količina zraka [m³/h] / amount of air [m³/h]

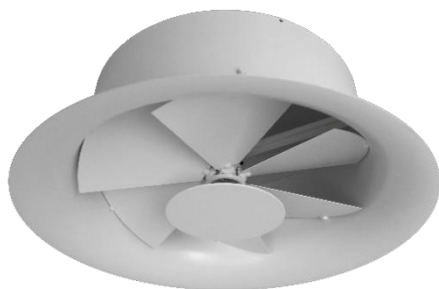
Lh - dolžina horizontalnega dometa zraka pri kotu lopatic 30° [m] / length of horizontal air flow range at 30° blade angle [m]

Lv - dolžina vertikalnega dometa zraka pri kotu lopatic 70° [m] / length of vertical air flow range at 70° blade angle [m]

PT - padec tlaka [Pa] / pressure drop [Pa]

NH - nivo hrupa [db (A)] / noise level [db (A)]

A - meritev jakosti zvoka je izvedena pri 1 m od izvora / measurement of sound intensity is carried out at 1 m from the source



VSD-1

VARIABILNI VRTINČNI DIFUZOR VARIABLE SWIRL DIFFUSER

OPIS:

Variabilni vrtinčni difuzor VSD-1 je namenjen hlajenju in ogrevanju velikih prostorov višine od 4 do 12 m. Omogoča turbulenten tok zraka, dolge domete pri ogrevanju in enakomerno razpršitev zraka pod stropom pri hlajenju – Coanda efekt.

KONSTRUKCIJA: Difuzor sestavlja lijakasto oblikovano ohišje in šest centralno nastavljivih lopatic.

MATERIAL:

- jeklena pločevina pobarvana v belo barvo RAL 9010 MAT ali na željo kupca poljubno barvo po RAL lestvici
- OPCIJA: nerjaveča pločevina AISI 304 SB

POGON:

C - centralna ročna nastavitve položaja lopatic

E - pripravljen za montažo elektromotornega pogona.

Na željo kupca se elektromotor tudi namesti na ohišje difuzorja:

- LM230A
- LM230A SR
- LM24A
- LM24A SR

T - difuzor ima vgrajen termostatski pogon, ki zaznava temperaturo vpihovanega zraka in samodejno uravnava položaj lopatic. Termostatski element deluje v temperaturnem območju od 22 °C do 38 °C. Deluje avtomatsko in ne potrebuje dodatnih virov energije in s tem povezanih instalacij. Difuzor je nastavljen na optimalen položaj in aktiviran že v tovarni. Lopatice so pri temperaturi 38 °C odprte pod kotom 85°. Pri temperaturi 20 °C mehanska blokada zaustavi zapiranje lopatic pod kotom 35°.

DESCRIPTION:

The VSD-1 variable swirl diffuser can be used for various ceiling heights from 4 m to 12 m. It enables turbulent airflow, long-range constant airflow and the Coanda effect – where cold air is dispersed below the ceiling.

CONSTRUCTION: The device includes a casing of nozzle shaped aluminium and 6 centrally adjustable blades.

MATERIAL:

- steel sheet metal painted in white finish RAL 9010 MATT or can be any RAL colour according to the customer's request.
- OPTION: stainless steel sheet metal AISI 304 SB

DRIVE:

C - central manual drive

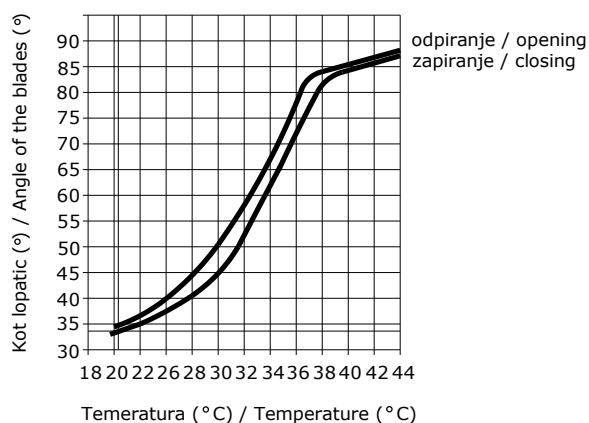
E - ready for electric drive.

Upon request the electric motor drive can be added on the diffuser:

- LM230A
- LM230A SR
- LM24A
- LM24A SR

T - thermostatic drive installed inside diffuser perceives a surroundings temperature and automatically adjusts the position of the blades. It does not need any additional source of energy, installations or settings. Diffuser is set in an optimal position and activated in the production. The wax element works in a temperature range from 22 °C to 38 °C. At temperature 38 °C the blades are open at 85° angle. At temperature 20 °C the blockade fixed on the holder stops the blades in position of 35° angle.

Delovanje difuzorja s termostatskim pogonom: / Operation of diffuser with thermostatic drive:



DODATKI in OPCIJE / ACCESSORIES and OPTIONS:

PL – plošča dim 595x595 mm za vgradnjo difuzorja v spušen strop / plate dim. 595x595 for installation in prefabricated ceilings



ZM – zaščita proti udarcem žoge v telovadnicah / ball impact protection in gyms



PP – perforirana plošča v vratu difuzorja / perforated plate placed on the neck of the diffuser



INOX AISI 304 SB – nerjaveča pločevina / stainless steel sheet metal AISI 304 SB

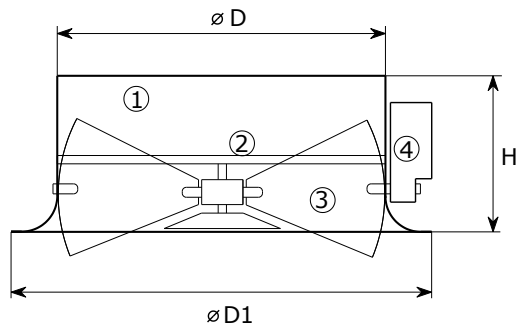


PB-3 - priključna komora / plenum box



PB-4 - priključna komora / plenum box

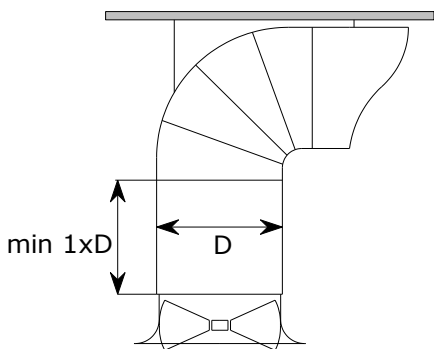
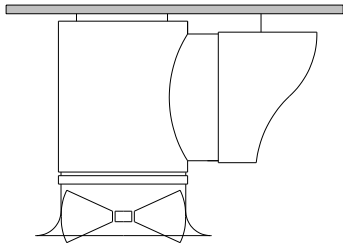


DIMENZIJE / DIMENSIONS:

1. difuzor / diffuser
2. prečka / traverse
3. lopatice / blades
4. elektromotorni pogon / electric drive

Difuzor VSD-1 s priključno komoro PB 3 Diffuser VSD-1 with plenum box PB 3					Difuzor VSD-1 s priključno komoro PB 4 Diffuser VSD-1 with plenum box PB 4				
D	Ø D	Ø D1	Ø D2	Ø D3	H	H1	H2	H3	H4
200	198	280	300	158	105	258	230	365	315
250	248	345	350	198	120	298	270	420	370
315	313	425	415	248	150	348	320	500	450
400	398	530	500	313	180	413	385	595	545
500	498	660	630	398	220	498	470	720	670

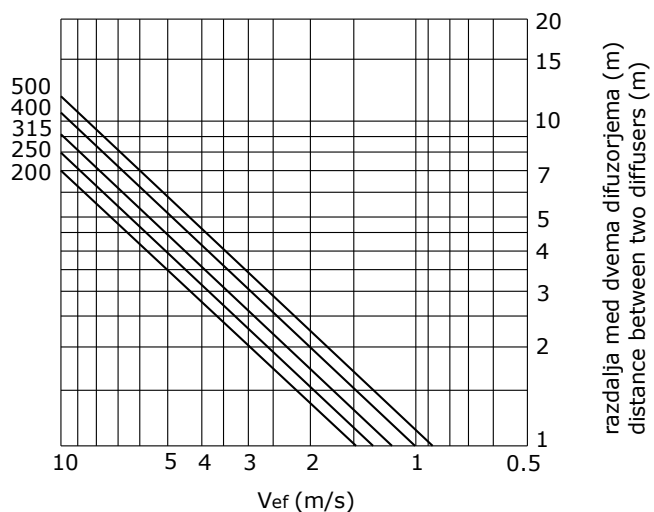
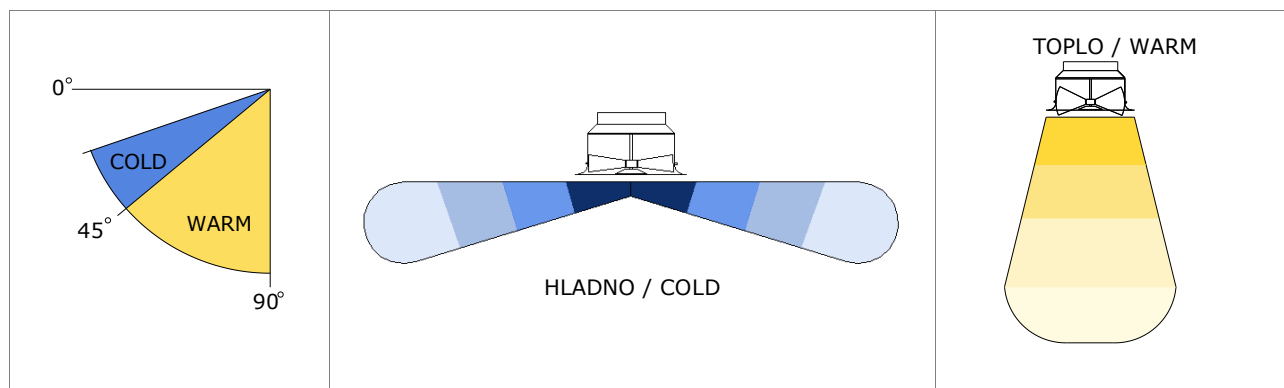
MONTAŽA / INSTALLATION:

Pritrditev na cev / Fitting on air shaft.	Pritrditev na priključno komoro / Fitting on plenum box.
	

MINIMALNA RAZDALJA MED DIFUZORJI: / MINIMUM DISTANCE BETWEEN DIFFUSERS:

Minimalna razdalja med difuzorjema mora biti pri minimalnem pretoku zraka vsaj 5x premer difuzorja in vsaj 10x premer difuzorja pri maksimalnem pretoku zraka.

Minimum distance between two diffusers must be at least 5 times the diameter of the diffuser at minimum flow and 10 times the diameter of the diffuser at maximum flow.

**KOT LOPATIC IN SMER ZRAČNEGA CURKA: / ANGLE OF BLADES AND DIRECTION OF AIR FLOW:**

HITRA IZBIRA Z IZBORNIM PROGRAMOM / FAST SELECTION WITH SELECTION TOOL: <https://izdelki.kosanc.si>

IZBIRNA TABELA / SELECTION TABLE:

Q [m ³ /h]	dim	200	250	315	400	500
150	Lh [m]	0,7				
	PT [Pa]	<5				
	NH [db(A)]	<20				
	Lv [m]	1,6				
	PT [Pa]	<5				
	NH [db(A)]	<20				
200	Lh [m]	1,1				
	PT [Pa]	8				
	NH [db(A)]	23				
	Lv [m]	2,4				
	PT [Pa]	<5				
	NH [db(A)]	<20				
300	Lh [m]	2,1	1,3			
	PT [Pa]	18	7			
	NH [db(A)]	31	22			
	Lv [m]	4,5	2,9			
	PT [Pa]	7	<5			
	NH [db(A)]	22	<20			
400	Lh [m]	3,2	2,1	1,3		
	PT [Pa]	34	13	5		
	NH [db(A)]	38	27	<20		
	Lv [m]	6,9	4,4	2,8		
	PT [Pa]	13	5	<5		
	NH [db(A)]	27	20	<20		
500	Lh [m]	4,5	2,9	1,8		
	PT [Pa]	54	21	8		
	NH [db(A)]	44	32	23		
	Lv [m]	9,6	6,2	3,9		
	PT [Pa]	21	8	<5		
	NH [db(A)]	32	23	<20		
600	Lh [m]		3,8	2,4	1,5	
	PT [Pa]		31	12	<5	
	NH [db(A)]		37	26	<20	
	Lv [m]		8,1	5,1	3,2	
	PT [Pa]		12	5	<5	
	NH [db(A)]		27	<20	<20	
700	Lh [m]		4,8	3,0	1,9	
	PT [Pa]		43	16	6	
	NH [db(A)]		41	29	21	
	Lv [m]		10,2	6,4	4,0	
	PT [Pa]		17	6	<5	
	NH [db(A)]		30	21	<20	

Q [m³/h]	dim	200	250	315	400	500
800	Lh [m]			3,7	2,3	
	PT [Pa]			21	8	
	NH [db(A)]			32	23	
	Lv [m]			7,8	4,9	
	PT [Pa]			8	<5	
	NH [db(A)]			23	<20	
900	Lh [m]			4,4	2,7	
	PT [Pa]			27	10	
	NH [db(A)]			35	25	
	Lv [m]			9,4	5,8	
	PT [Pa]			11	<5	
	NH [db(A)]			26	<20	
1000	Lh [m]			5,1	3,2	2,0
	PT [Pa]			34	13	5
	NH [db(A)]			38	27	<20
	Lv [m]			11	6,8	4,4
	PT [Pa]			13	5	<5
	NH [db(A)]			28	<20	<20
1200	Lh [m]				4,2	2,7
	PT [Pa]				18	7
	NH [db(A)]				31	22
	Lv [m]				8,9	5,7
	PT [Pa]				7	<5
	NH [db(A)]				22	<20
1400	Lh [m]				5,3	3,4
	PT [Pa]				25	10
	NH [db(A)]				34	25
	Lv [m]				11,3	7,2
	PT [Pa]				10	<5
	NH [db(A)]				25	<20
1600	Lh [m]				6,4	4,1
	PT [Pa]				34	13
	NH [db(A)]				38	27
	Lv [m]				13,8	8,8
	PT [Pa]				13	5
	NH [db(A)]				27	20
1800	Lh [m]					4,9
	PT [Pa]					17
	NH [db(A)]					30
	Lv [m]					10,5
	PT [Pa]					7
	NH [db(A)]					22
2000	Lh [m]					5,7
	PT [Pa]					21
	NH [db(A)]					32
	Lv [m]					12,3
	PT [Pa]					8
	NH [db(A)]					23

Q [m³/h]	dim	200	250	315	400	500
2200	Lh [m]					6,6
	PT [Pa]					26
	NH [db(A)]					34
	Lv [m]					14,2
	PT [Pa]					10
	NH [db(A)]					25
2400	Lh [m]					7,5
	PT [Pa]					31
	NH [db(A)]					37
	Lv [m]					16,2
	PT [Pa]					12
	NH [db(A)]					27

Domet zraka je izračunan do hitrosti 0,2 m/s / Air flow range is calculated up to the velocity of 0.2 m/s

Q - količina zraka [m³/h] / amount of air [m³/h]

Lh - dolžina horizontalnega dometa zraka pri kotu lopatic 30° [m] / length of horizontal air flow range at 30° blade angle [m]

Lv - dolžina vertikalnega dometa zraka pri kotu lopatic 70° [m] / length of vertical air flow range at 70° blade angle [m]

PT - padec tlaka [Pa] / pressure drop [Pa]

NH - nivo hrupa [db (A)] / noise level [db (A)]

A - meritev jakosti zvoka je izvedena pri 0,8 m od izvora / measurement of sound intensity is carried out at 0.8 m from the source

NAROČANJA / HOW TO ORDER:

VSD-1	C	315	RAL 9010	PP	PB 3	315	/	250	H	L	ISO 6mm
izolacija / insulation 6 mm, 10 mm, 13 mm, 19 mm loputka / damper pozicija priključka / position of connection H - horizontalen / horizontal V - vertikalni / vertical priključek / connection opening standard poljuben / optional dimenzija komore / plenum dimension komora / plenum PB3 komora / plenum PB4 komora / plenum dodatki / supplements PL - plošča 595x595 / plate 595x595 PP - perforirana razpršilna plošča / perforated dispersing plate ZM - zaščita proti udarcem žoge v telovadnicah / ball impact protection in gyms barva / colour standard RAL 9010 MAT optional dimenzija difuzorja / diffuser dimension 200, 250, 315, 400, 500 pogon / drive C - centralni ročni pogon / central manual drive E - pripravljeno za elektromotorni pogon / ready for electric drive E + BELIMO ... - montiran el. pogon / mounted electric drive T - montiran termični pogon / mounted thermostatic drive tip difuzorja / diffuser type											



VSD-2

VARIABILNI VRTINČNI DIFUZOR VARIABLE SWIRL DIFFUSER

OPIS:

Variabilni vrtinčni difuzor VSD-2 je namenjen hlajenju in ogrevanju velikih prostorov višine od 4 do 12 m. Omogoča turbulenten tok zraka, dolge domete pri ogrevanju in enakomerno razpršitev zraka pod stropom pri hlajenju – Coanda efekt.

KONSTRUKCIJA:

Difuzor sestavlja lijakasto oblikovano ohišje in 6 centralno nastavljivih lopatic.

MATERIAL:

- jeklena pločevina pobarvana v belo barvo RAL 9010 MAT ali na željo kupca poljubno barvo po RAL lestvici
- OPCIJA: nerjaveča pločevina INOX AISI 304 SB

POGON:

C - centralna ročna nastavev položaja lopatic.

E - pripravljen za montažo elektromotornega pogona.

Na željo kupca se elektromotor tudi namesti na ohišje difuzorja:

- LM230A LM24A
- LM230A SR LM 24A SR

T - difuzor ima vgrajen termostatski pogon, ki zaznava temperaturo vpihovanega zraka in samodejno uravnava položaj lopatic. Termostatski element deluje v temperaturnem območju 22 °C do 38 °C. Deluje avtomatsko in ne potrebuje dodatnih virov energije in s tem povezanih instalacij. Difuzor je nastavljen na optimalen položaj in aktiviran že v tovarni. Lopatice so pri temperaturi 38 °C odprte pod kotom 85°. Pri temperaturi 20 °C mehanska blokada zaustavi zapiranje lopatic pod kotom 35°.

DESCRIPTION:

The VSD-2 variable swirl diffuser can be used for various ceiling heights from 4 m to 12 m. It enables turbulent airflow, long-range constant airflow and the Coanda effect – where cold air is dispersed below the ceiling.

CONSTRUCTION:

The device includes a casing of nozzle shaped aluminium and 6 centrally adjustable blades.

MATERIAL:

- steel sheet metal painted in white finish RAL 9010 MATT or any RAL colour according to the customer's request.
- OPTION: stainless steel sheet metal AISI 304 SB

DRIVE:

C - central manual drive

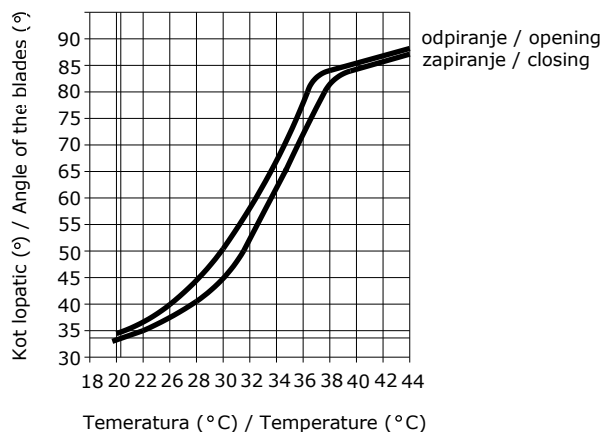
E - ready for electric drive.

Upon request, the electric motor drive can be added on the diffuser:

- LM230A LM24A
- LM230A SR LM 24A SR

T - the thermostatic drive installed inside diffuser perceives a surroundings temperature and automatically adjusts the position of the blades. It does not need any additional source of energy, installations or settings. Diffuser is set in an optimal position and activated in the production. The wax element works in a temperature range from 20 °C to 35 °C. At temperature 30 °C the blades are fully open at 85° angle. At temperature 20 °C the blockade fixed on the holder stops the blades in position of 35° angle.

Delovanje difuzorja s termostatskim pogonom: / Operation of diffuser with thermostatic drive:



DODATKI in OPCIJE / ACCESSORIES and OPTIONS:

PL – plošča dim 595x595 mm za vgradnjo difuzorja v spuščeni strop / plate dim. 595x595 for installation in prefabricated ceilings



LM – zaščita proti udarcem žoge v telovadnicah / ball impact protection in gyms



PP – perforirana plošča v vratu difuzorja / perforated plate placed on the neck of the diffuser



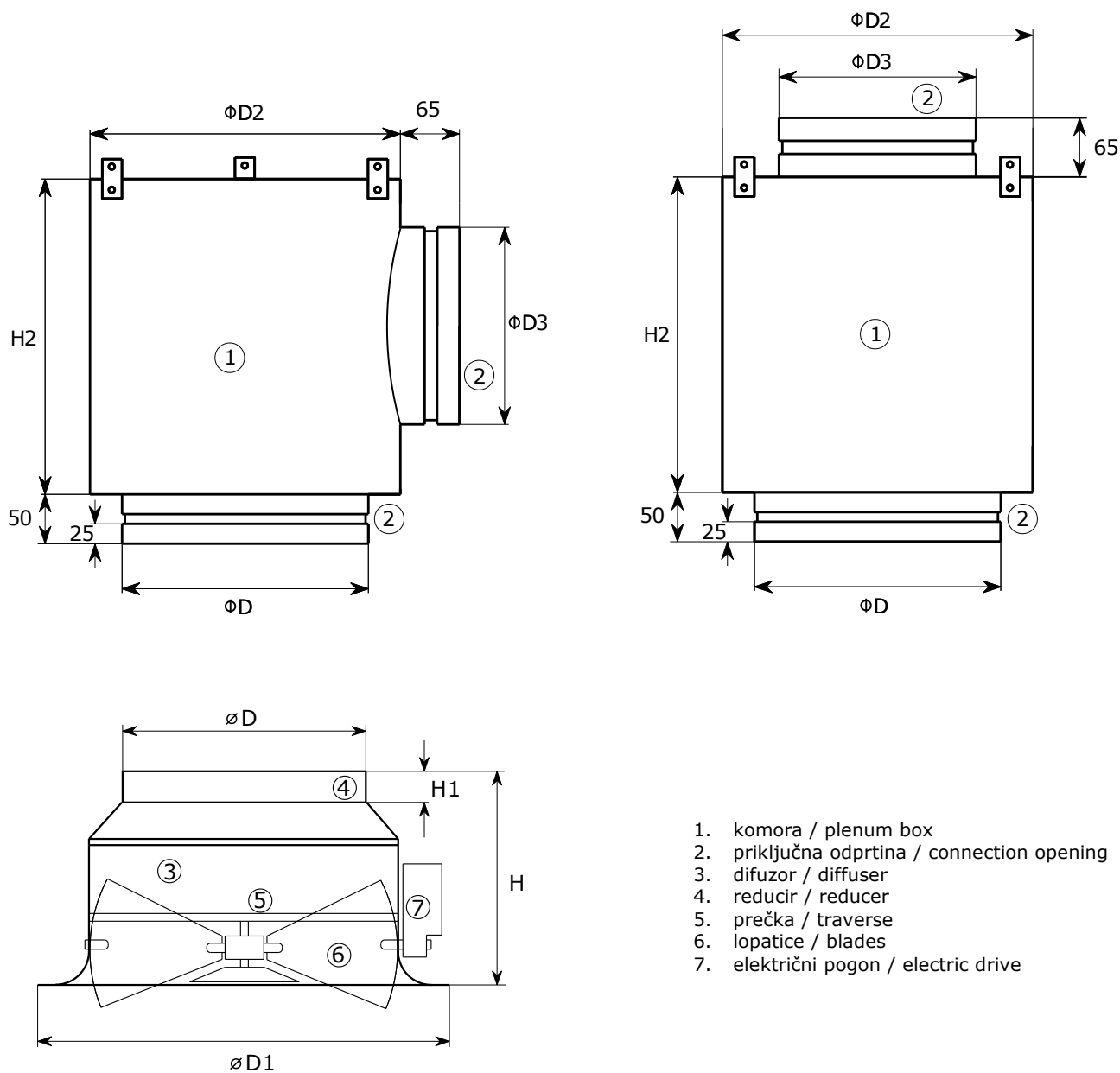
INOX AISI 304 SB – nerjaveča pločevina / stainless steel sheet metal AISI 304



PB 3 – priključna komora / plenum box

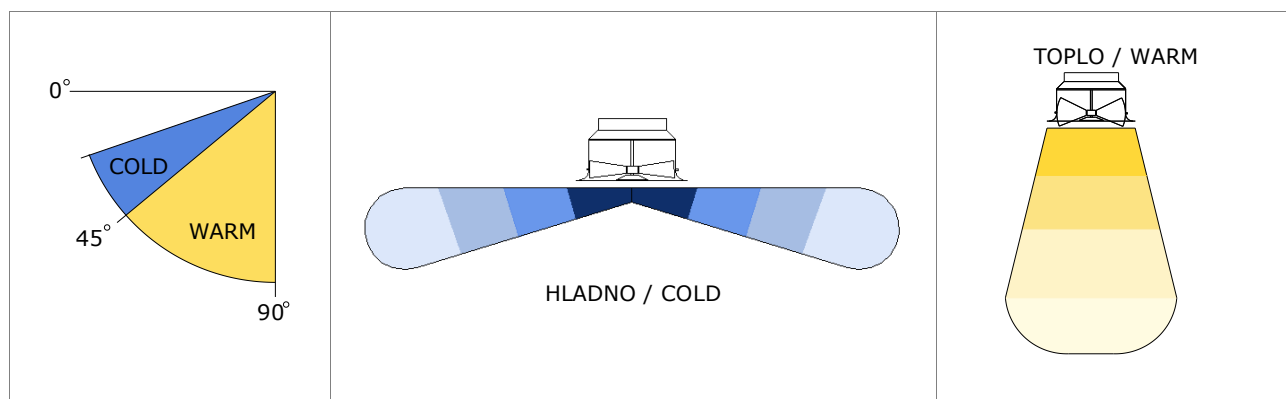
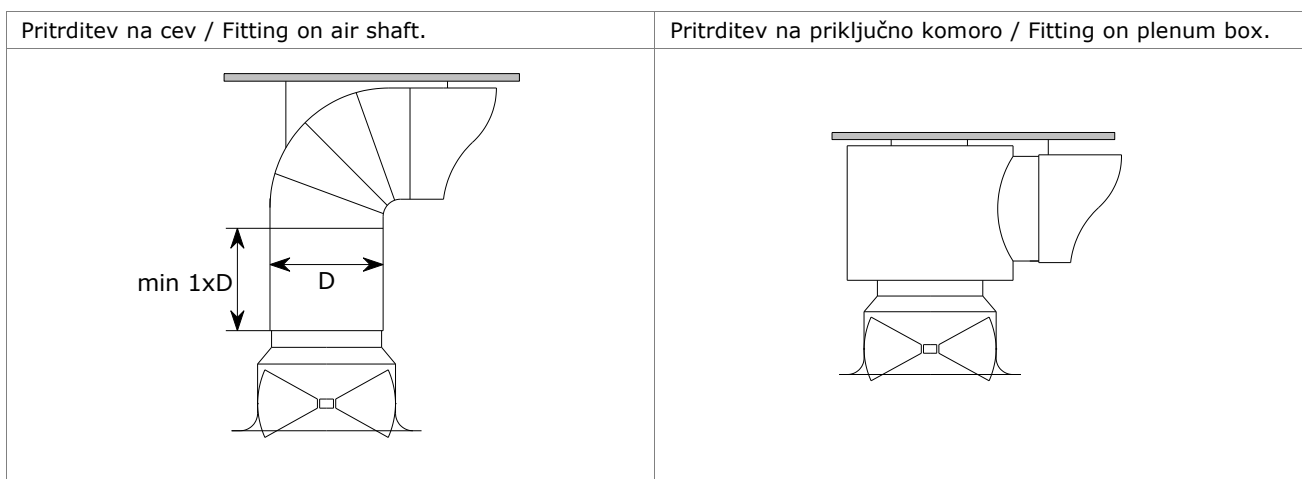


DIMENZIJE / DIMENSIONS:



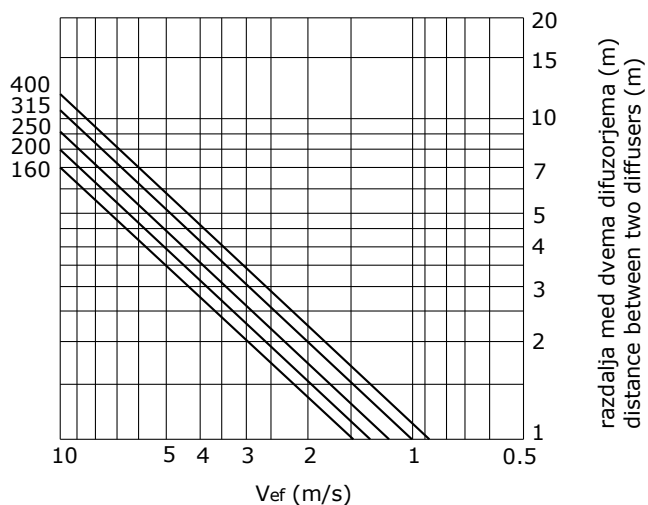
1. komora / plenum box
2. priključna odprtina / connection opening
3. difuzor / diffuser
4. reducir / reducer
5. prečka / traverse
6. lopatice / blades
7. električni pogon / electric drive

	Ø D	Ø D1	Ø D2	Ø D3	H	H1	H2
160	158	280	260	123	170	40	195
200	198	345	300	158	195	40	230
250	248	425	350	198	230	40	270
315	313	530	415	248	275	40	320
400	398	660	500	313	340	60	385

KOT LOPATIC IN SMER ZRAČNEGA CURKA: / ANGLE OF BLADES AND DIRECTION OF AIR FLOW:**MONTAŽA / INSTALLATION:****MINIMALNA RAZDALJA MED DIFUZORJI: / MINIMUM DISTANCE BETWEEN DIFFUSERS:**

Minimalna razdalja med difuzorjema mora biti pri minimalnem pretoku zraka vsaj 5x premer difuzorja in vsaj 10x premer difuzorja pri maksimalnem pretoku zraka.

Minimum distance between two diffusers must be at least 5 times the diameter of the diffuser at minimum flow and 10 times the diameter of the diffuser at maximum flow.



IZBIRNA TABELA / SELECTION TABLE:

Q [m ³ /h]	dim	160	200	250	315	400
150	Lh [m]	0,7				
	PT [Pa]	<5				
	NH [db(A)]	<20				
	Lv [m]	1,6				
	PT [Pa]	<5				
	NH [db(A)]	<20				
200	Lh [m]	1,1				
	PT [Pa]	8				
	NH [db(A)]	23				
	Lv [m]	2,4				
	PT [Pa]	<5				
	NH [db(A)]	<20				
300	Lh [m]	2,1	1,3			
	PT [Pa]	18	7			
	NH [db(A)]	31	22			
	Lv [m]	4,5	2,9			
	PT [Pa]	7	<5			
	NH [db(A)]	22	<20			
400	Lh [m]	3,2	2,1	1,3		
	PT [Pa]	34	13	5		
	NH [db(A)]	38	27	<20		
	Lv [m]	6,9	4,4	2,8		
	PT [Pa]	13	5	<5		
	NH [db(A)]	27	20	<20		
500	Lh [m]		2,9	1,8		
	PT [Pa]		21	8		
	NH [db(A)]		32	23		
	Lv [m]		6,2	3,9		
	PT [Pa]		8	<5		
	NH [db(A)]		23	<20		
600	Lh [m]		3,8	2,4	1,5	
	PT [Pa]		31	12	<5	
	NH [db(A)]		37	26	<20	
	Lv [m]		8,1	5,1	3,2	
	PT [Pa]		12	5	<5	
	NH [db(A)]		27	<20	<20	
700	Lh [m4]		4,8	3,0	1,9	
	PT [Pa]		43	16	6	
	NH [db(A)]		41	29	21	
	Lv [m]		10,2	6,4	4,0	
	PT [Pa]		17	6	<5	
	NH [db(A)]		30	21	<20	
800	Lh [m]			3,7	2,3	
	PT [Pa]			21	8	
	NH [db(A)]			32	23	
	Lv [m]			7,8	4,9	
	PT [Pa]			8	<5	
	NH [db(A)]			23	<20	

Q [m ³ /h]	dim	160	200	250	315	400
900	Lh [m]			4,4	2,7	
	PT [Pa]			27	10	
	NH [db(A)]			35	25	
	Lv [m]			9,4	5,8	
	PT [Pa]			11	<5	
	NH [db(A)]			26	<20	
1000	Lh [m]			5,1	3,2	2,0
	PT [Pa]			34	13	5
	NH [db(A)]			38	27	<20
	Lv [m]			11,0	6,8	4,4
	PT [Pa]			13	5	<5
	NH [db(A)]			28	<20	<20
1200	Lh [m]				4,2	2,7
	PT [Pa]				18	7
	NH [db(A)]				31	22
	Lv [m]				8,9	5,7
	PT [Pa]				7	<5
	NH [db(A)]				22	<20
1400	Lh [m]				5,3	3,4
	PT [Pa]				25	10
	NH [db(A)]				34	25
	Lv [m]				11,3	7,2
	PT [Pa]				10	<5
	NH [db(A)]				25	<20
1600	Lh [m]				6,4	4,1
	PT [Pa]				34	13
	NH [db(A)]				38	27
	Lv [m]				13,8	8,8
	PT [Pa]				13	5
	NH [db(A)]				27	20
1800	Lh [m]					4,9
	PT [Pa]					17
	NH [db(A)]					30
	Lv [m]					10,5
	PT [Pa]					7
	NH [db(A)]					22
2000	Lh [m]					5,7
	PT [Pa]					21
	NH [db(A)]					32
	Lv [m]					12,3
	PT [Pa]					8
	NH [db(A)]					23
2200	Lh [m]					6,6
	PT [Pa]					26
	NH [db(A)]					34
	Lv [m]					14,2
	PT [Pa]					10
	NH [db(A)]					25

Q [m³/h]	dim	160	200	250	315	400
2400	Lh [m]					7,5
	PT [Pa]					31
	NH [db(A)]					37
	Lv [m]					16,2
	PT [Pa]					12
	NH [db(A)]					27

Dometa zraka je izračunan do hitrosti 0,2 m/s / Air flow range is calculated up to the velocity of 0.2 m/s

Q - količina zraka [m³/h] / amount of air [m³/h]

Lh - dolžina horizontalnega dometa zraka pri kotu lopatic 30° [m] / length of horizontal air flow range at 30° blade angle [m]

Lv - dolžina vertikalnega dometa zraka pri kotu lopatic 70° [m] / length of vertical air flow range at 70° blade angle [m]

PT - padec tlaka [Pa] / pressure drop [Pa]

NH - nivo hrupa [db (A)] / noise level [db (A)]

A - meritev jakosti zvoka je izvedena pri 0,8 m od izvora / measurement of sound intensity is carried out at 0.8 m from the source

HITRA IZBIRA Z IZBORNIM PROGRAMOM / FAST SELECTION WITH SELECTION TOOL: <https://izdelki.kosanc.si>

NAČIN NAROČANJA / HOW TO ORDER:

VSD-2	C	315	RAL 9010	PP	PB 3	315	/	250	V	L	ISO 6mm
											izolacija / insulation 6 mm, 10 mm, 19 mm loputka / damper pozicija priključka / position of connection H – horizontalen / horizontal V – vertikalni / vertical priključek / connection opening standard poljuben / optional dimenzija komore / plenum dimension komora / plenum PB3 komora / plenum PB4 komora / plenum dodatki / supplements PL – plošča 595x595 / plate 595x595 PP – perforirana razpršilna plošča / perforated dispersing plate ZM – zaščita proti udarcem žoge v telovadnicah / ball impact protection in gyms barva / colour standard RAL 9010 MAT optional dimenzija difuzorja / diffuser dimension 160, 200, 250, 315, 400 pogon / drive C – centralni ročni pogon / central manual drive E – pripravljeno za elektromotorni pogon / ready for electric drive E + BELIMO ... – montiran el. pogon / mounted electric drive T – montiran termični pogon / mounted thermostatic drive tip difuzorja / diffuser type



ED-1

VRTINČNI DIFUZOR SWIRL DIFFUSER

OPIS:

ED-1 enostavni vrtinčni difuzor je difuzor manjših do srednjih dimenzij primeren za vgradnjo v prostore z nižjimi stropi od 2,8 m do 3,5 m.

KONSTRUKCIJA:

- okrogel ali kvadraten difuzor
- fiksne lamele
- okrogla razporeditev lamel

MATERIAL:

STANDARD:

- STANDARD: pocinkana pločevina
- OPCIJA:
 - nerjaveča pločevina INOX AISI 304
 - nerjaveča pločevina INOX AISI 316

BARVA: bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

DODATKI:

RD - reducir

PP - perforirana plošča v vratu difuzorja

PB 3 - priključna komora PB3

PB 4 - priključna komora PB4

DESCRIPTION:

The ED-1 swirl diffuser is a diffuser with small to medium dimensions. It can be used for lower ceiling heights from 2.8 m to 3.5 m.

CONSTRUCTION:

- round or square diffuser
- fixed blades
- radial blade arrangement

MATERIAL:

- STANDARD: galvanized sheet metal

OPTIONS:

- stainless steel sheet metal INOX AISI 304
- stainless steel sheet metal INOX AISI 316

FINISH: RAL 9010 MAT white, or any colour from the RAL palette

SUPPLEMENTS:

RD - reducer

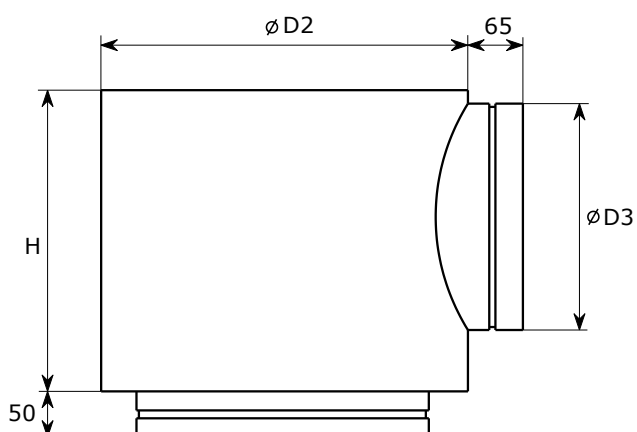
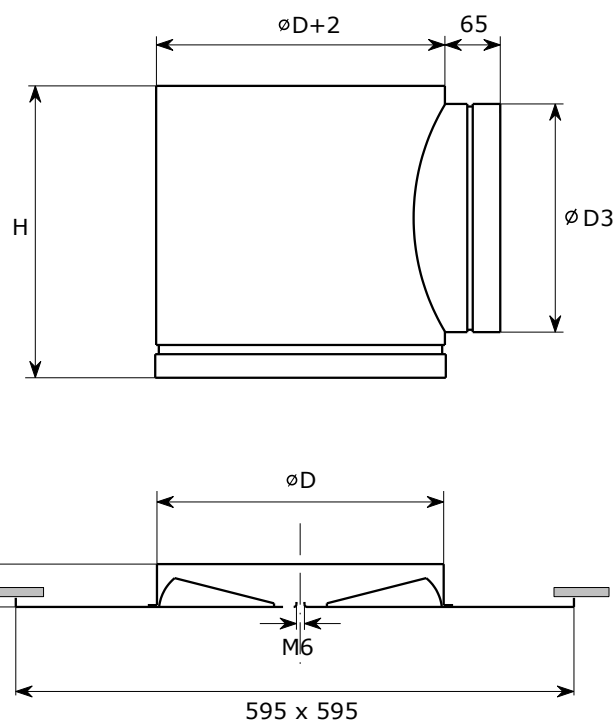
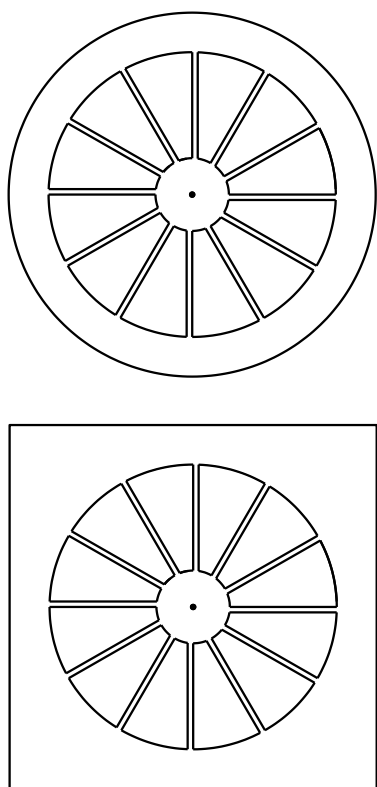
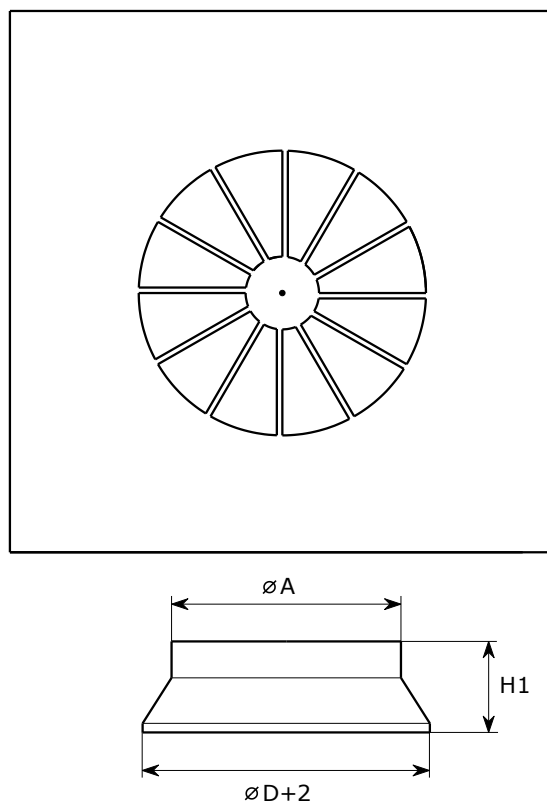
PP - perforated plate placed on the neck of the diffuser

PB 3 - plenum box PB3

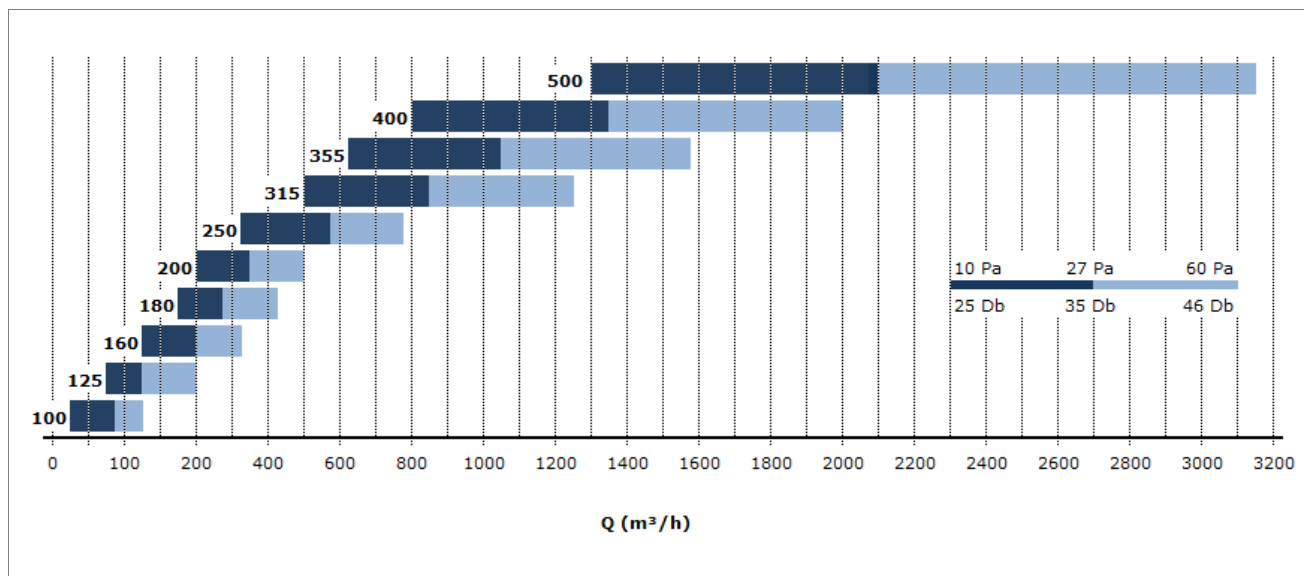
PB 4 - plenum box

DIMENZIJE / DIMENSIONS:

	Ø D	D1	Ø D2	Ø D3	H	H1	Ø A
100	98	140	200	98	170		
125	123	160	225	98	170	70	98
160	158	200	260	123	195	75	123
180	178	250	280	158	230	80	158
200	198	250	300	158	230	80	158
250	248	315	350	198	270	85	198
315	313	400	415	248	320	85	248
355	353	450	455	248	320	95	313
400	398	500	500	313	385	95	313
500	498	600	600	353	420	120	398

PB-3 okrogla komora / round plenum box**PB-4** okrogla komora / round plenum box**ED-1R** okrogli difuzor / round diffuser**ED-1K PL** kvadratni difuzor na plati 595x595 mm
square diffuser on plate 595x595 mm**ED-1K** kvadratni difuzor / square diffuser**RD** reducir / reducer

HITRA IZBIRA / FAST SELECTION: <https://izdelki.kosanc.si/>



NAČIN NAROČANJA / HOW TO ORDER:

ED-1	R	315	RAL 9010	PP	PB 3	315	/	250	H	L	ISO 6mm
											izolacija / insulation 6 mm, 10 mm, 13 mm, 19 mm loputka / damper pozicija priključka / position of connection H – horizontalen / horizontal V – vertikalni / vertical priključek / connection opening standard poljuben / optional dimenzija komore / plenum dimension komora / plenum PB3 komora / plenum PB4 komora / plenum dodatki / supplements RD – reducer / reducer PP – perforirana razpršilna plošča / perforated dispersing plate barva / colour standard RAL 9010 dimenzija difuzorja / diffuser dimension 125, 160, 200, 250, 315, 400 oblika / shape R – okrogla / round K – kvadratna / square K PL – kvadratna 595x595 mm / square 595x595 mm tip difuzorja / diffuser type



ED-2

VRTINČNI DIFUZOR SWIRL DIFFUSER

OPIS:

ED-2 enostavni vrtinčni difuzor je difuzor manjših do srednjih dimenzij primeren za vgradnjo v prostore z nižjimi stropi od 2,8 m do 3,5 m.

KONSTRUKCIJA:

- lijakasto oblikovano ohišje
- fiksne lamele
- okrogla razporeditev lamel

MATERIAL:

- jeklena pločevina
- nerjaveča pločevina INOX AISI 304 SB

BARVA: bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

DODATKI:

PL – plošča dim 595x595 mm za vgradnjo difuzorja v spuščen strop
 PP – perforirana plošča v vratu difuzorja
 RD – reducir
 PB-3 – priključna komora PB3
 PB-4 – priključna komora PB4

DESCRIPTION:

The ED-2 simple swirl diffuser is a diffuser with small to medium dimensions. It can be used for low and medium ceiling heights from 2.8 m to 3.5 m.

CONSTRUCTION:

- nozzle shaped casing
- fixed blades
- radial blade arrangement

MATERIAL:

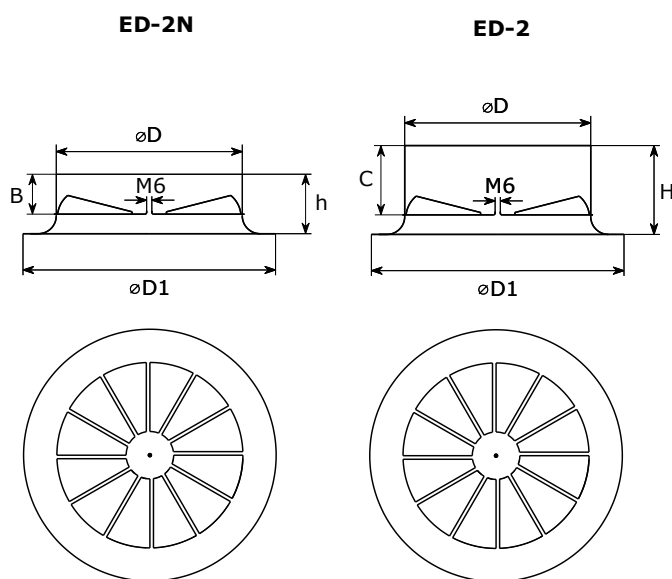
- steel sheet metal
- stainless steel sheet metal INOX AISI 304 SB

FINISH: RAL 9010 MAT white, or any colour from the RAL palette

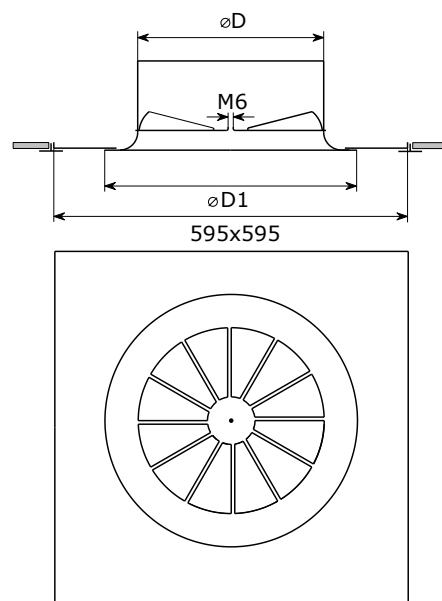
ACCESSORIES:

PL – plate 595x595 mm for installation in prefabricated ceilings
 PP – perforated plate placed on the neck of the diffuser
 RD – reducer
 PB-3 – plenum box PB3
 PB-4 – plenum box PB4

DIMENZIJE / DIMENSIONS:



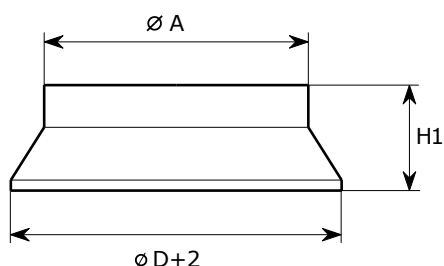
PL – plate 595x595



	ØD	ØD1	ØD2	ØD3	ØA	B	C	H	h*	H1	H2	H3	h3*	H4	h4*
100	98	150	200	98			50	55	35		170	255	230	205	180
125	123	185	225	98	98	20	40	55	35	70	170	255	235	205	185
160	158	220	260	123	123	30	60	80	50	75	195	305	275	255	225
200	198	280	300	158	158	30	70	105	65	80	230	365	320	315	270
250	248	345	350	198	198	35	80	120	75	80	270	420	375	370	325
315	313	425	415	248	248	40	100	150	90	85	320	500	440	450	390
400	398	530	500	313	313	50	120	180	110	95	385	595	525	545	475
500	498	660	630	398	398		140	220		120	470	720	720	670	670

* opcija - znižana verzija difuzorja – koda **ED-2N** / option – short version of diffuser – code **ED-2N**

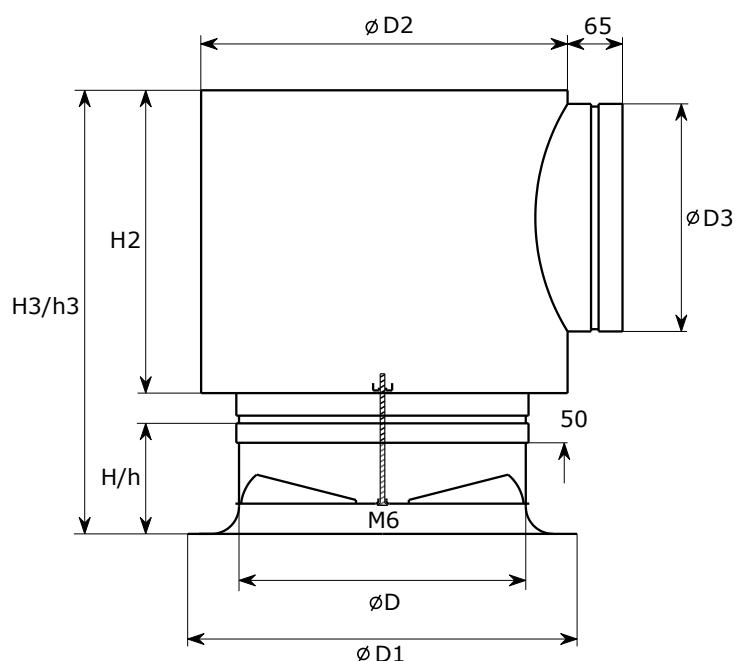
RD - reducir / reducer



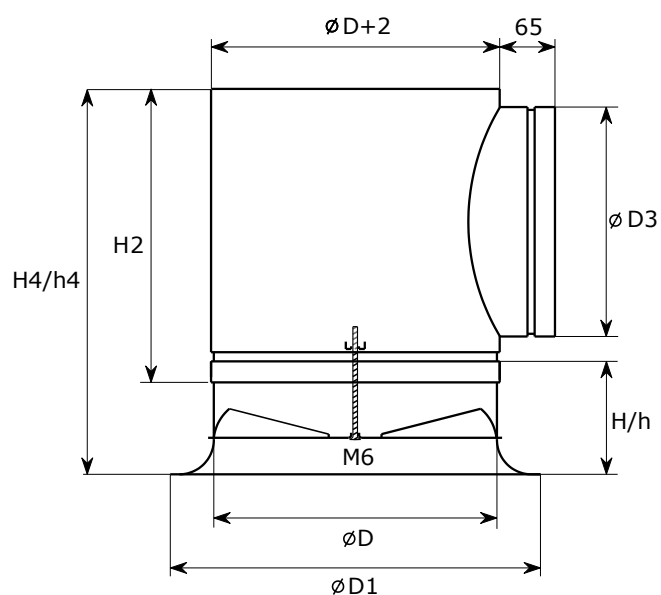
MONTAŽA NA KOMORO / MONTAGE ON PLENUM:

1. S centralnim vijakom / With central screw

ED-2 + PB-3

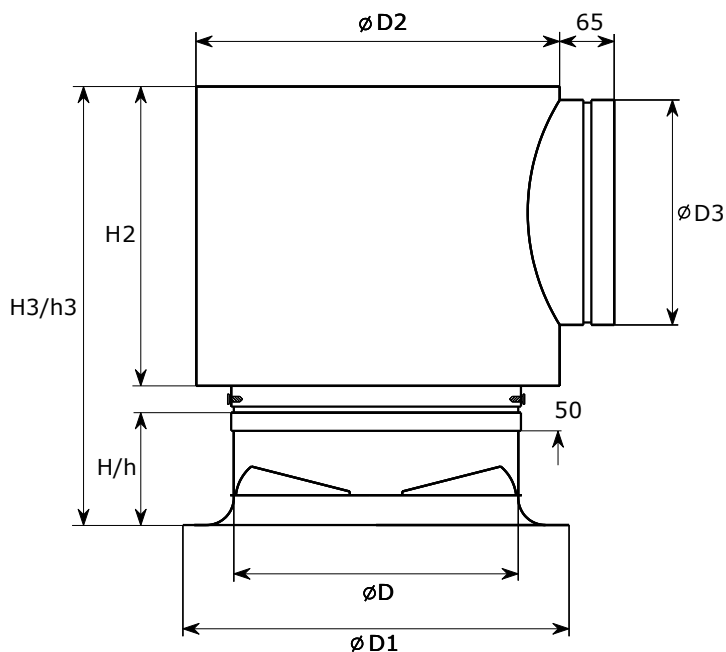
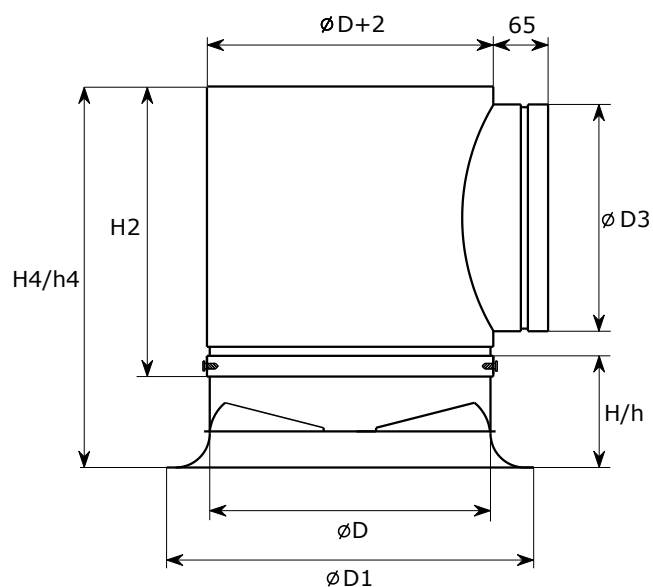


ED-2 + PB-4

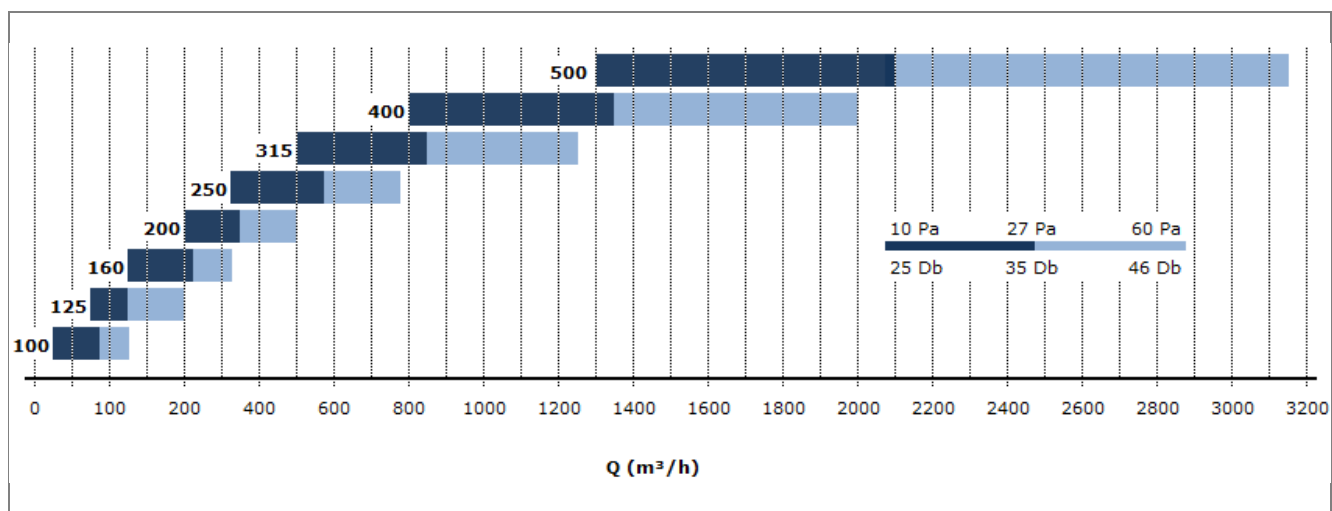


MONTAŽA NA KOMORO / MONTAGE ON PLENUM:

2. S stranskim vijakom na vratu difuzorja. / With side screw on the neck of the diffuser.

ED-2B + PB-3**ED-2B + PB-4**

HITRA IZBIRA / FAST SELECTION: <https://izdelki.kosanc.si/>



NAČIN NAROČANJA / HOW TO ORDER:

ED-2		315	RAL 9010	PP + PL	PB 3	315	/	248	H	L	ISO 6mm
											izolacija / insulation 6 mm, 10 mm, 13 mm, 19 mm loputa / damper pozicija priključka position of connection H – horizontalen / horizontal V – vertikalni / vertical priključek / connection opening standard poljuben / optional dimenzija komore / plenum dimension komora / plenum PB3 komora / plenum box PB4 komora / plenum box dodatki / supplements RD – reducir / reducer PP – perforirana razpršilna plošča / perforated dispersing plate PL – plošča 595x595 / plate 595x595 barva / colour standard RAL 9010 MAT dimenzija difuzorja / diffuser dimension 100, 125, 160, 200, 250, 315, 400, 500 način pritrditve na komoro / installation on plenum box / – pritrditev s centralnim vijakom / montage with central screw B – brez centralne luknje, pritrditev s stranskimi vijaki na vratu difuzorja without central hole, installation with side screws on the neck of the diffuser tip difuzorja / diffuser type ED-2 višja verzija difuzorja / high version of the diffuser ED-2N nižja verzija difuzorja / short version of the diffuser



VD-1

VRTINČNI DIFUZOR SWIRL DIFFUSER

OPIS:

Vrtinčni difuzor VD-1 je namenjen prezračevanju nizkih prostorov višine od 2,6 m do 4 m. Primeren je za vgradnjo v spuščene stropne.

KONSTRUKCIJA:

- kvadratni ali okrogli difuzor
- fiksne lamele
- okrogla razporeditev lamel
- usmerjevalni obroč

MATERIAL:

- STANDARD: pocinkana pločevina Magnelis
- OPCIJA:
 - nerjaveča pločevina INOX AISI 304 SB ali sijaj
 - nerjaveča pločevina INOX AISI 316 SB

BARVA: bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

MONTAŽA: pritrditev z enim centralnim ali štirimi stranskimi vijaki na komoro tipa PB-2

DESCRIPTION:

The VD-1 swirl diffuser can be used for various ceiling heights from 2.6 m to 4 m. It is suitable for installation in dropped ceilings.

CONSTRUCTION:

- square or round diffuser
- fixed blades
- radial blade arrangement
- guidance ring

MATERIAL:

- STANDARD: galvanized sheet metal - Magnelis
- OPTION:
 - stainless steel sheet metal INOX AISI 304 SB or gloss
 - stainless steel sheet metal INOX AISI 316 SB

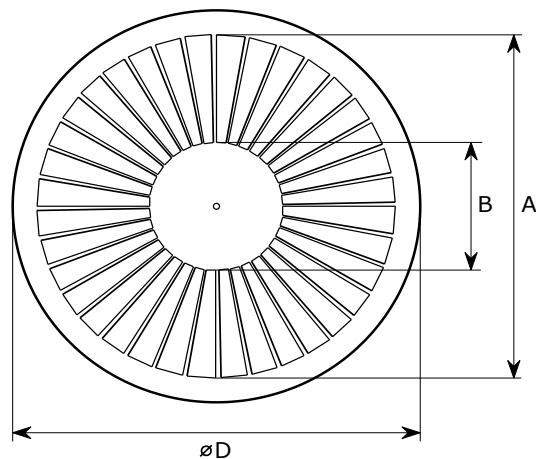
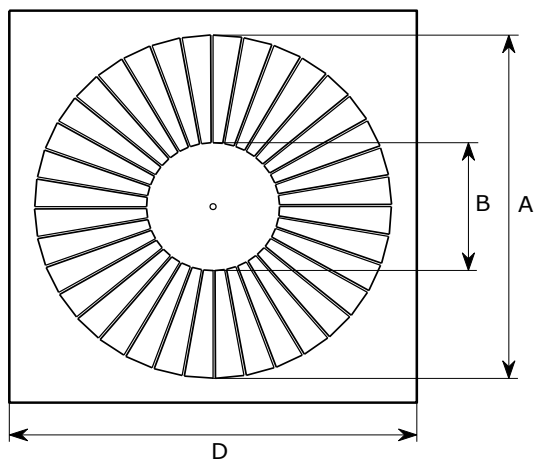
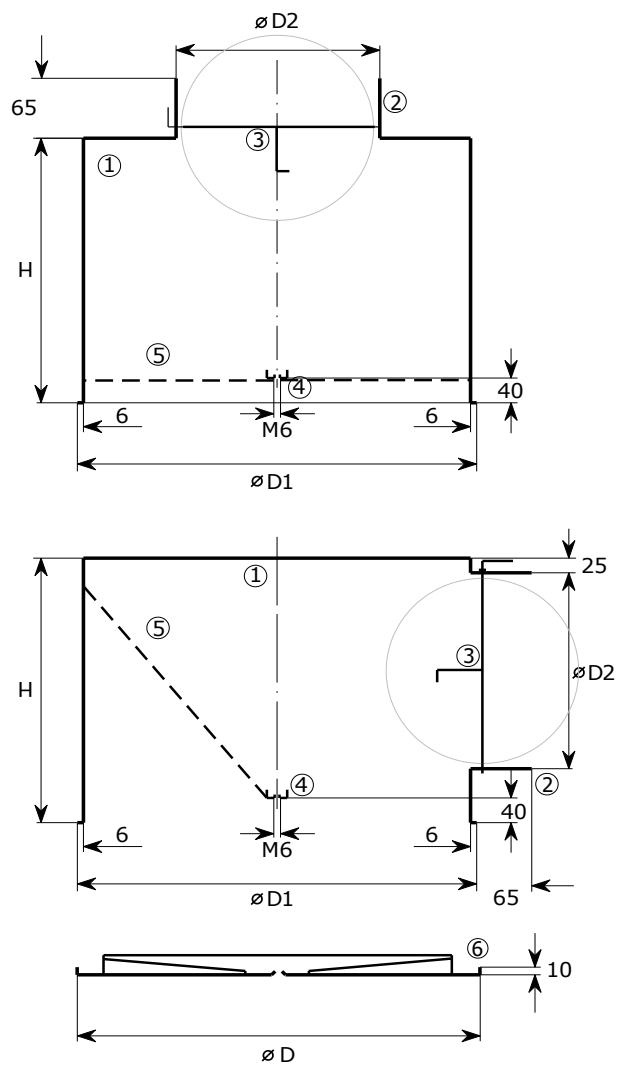
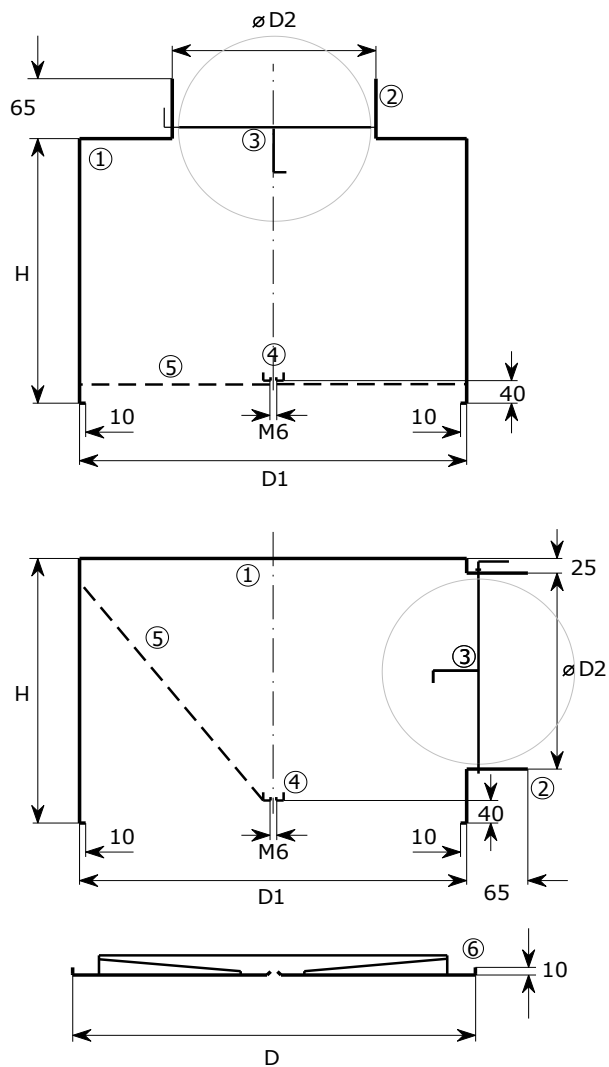
FINISH: RAL 9010 MAT white, or any colour from the RAL palette

INSTALLATION: with one central or four side screws on the plenum box PB-2

DIMENZIJE / DIMENSIONS:

K - kvadratna / square

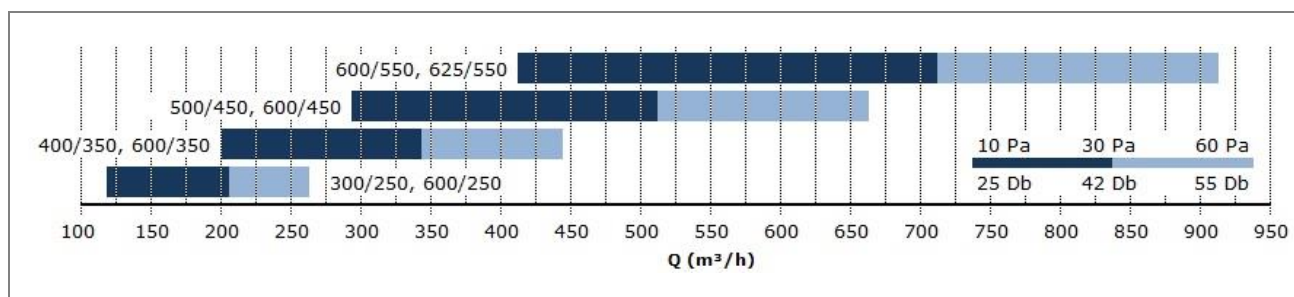
R - okrogla / round



	D	Ø D	B	A	D1	Ø D2	H
300/250	295	300	80	240	291	158	230
400/350	395	400	85	340	391	158 198	230 270
500/450	495	500	140	440	491	198 248	270 320
600/250	595	600	80	240	291	158	320
600/350	595	600	85	340	391	158 198	230 270
600/450	595	600	140	440	491	198 248	270 320
600/550	595	600	170	540	591	198 248	270 320
625/550	620	625	170	540	591	198 248	270 320

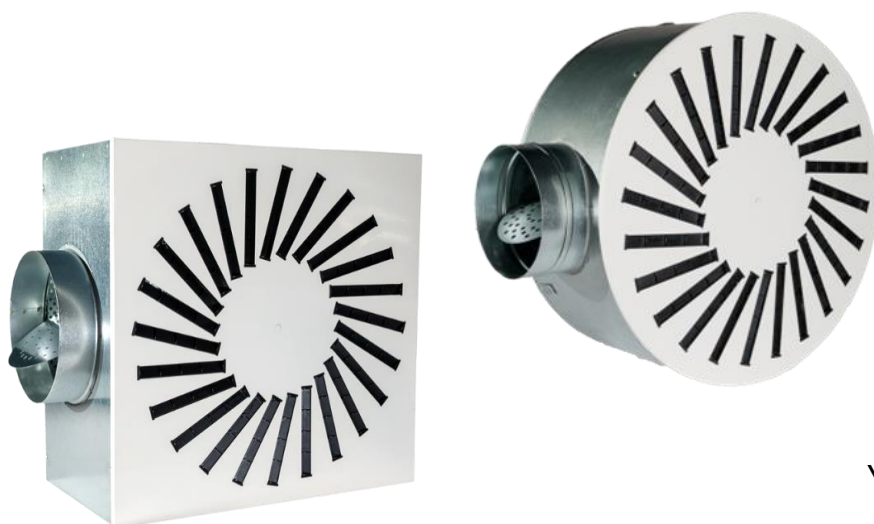
1. komora PB-2
plenum PB-2
2. okrogla priključna odprtina
round connection opening
3. regulacijska loputka
volume control damper
4. prečka
traverse
5. perforirana razpršilna plošča
perforated dispersing plate
6. difuzor
diffuser

HITRA IZBIRA / FAST SELECTION:



NAČIN NAROČANJA / HOW TO ORDER:

VD-1	K	600	/	550	RAL 9010 MAT	PB 2	PP	600	/	200	H	ISO 6mm
												izolacija / insulation 6 mm, 10 mm, 13 mm, 19 mm pozicija priključka position of connection H – horizontalen / horizontal V- vertikalni / vertical priključek connection opening standard poljuben / optional dimenzija komore / plenum dimension perforirana razpršilna plošča / dispersing plate komora / plenum box PB2 komora / plenum material in barva / material and colour Standard: ZN + RAL 9010 MAT Options: INOX 304 SB INOX 304 gloss INOX 316 SB velikost lamelnega dela / dimension of blade area 250, 350, 450, 550 dimenzija difuzorja / diffuser dimension 300, 400, 500, 600, 625 oblika / shape K - kvadratna / square R - okrogla / round tip difuzorja / diffuser type



VD-2

VRTINČNI DIFUZOR SWIRL DIFFUSER

OPIS:

Vrtinčni difuzor VD-2 z nastavljivimi usmerjevalniki zraka je namenjen prezračevanju nizkih prostorov višine od 2,6 m do 4 m. Primeren je za vgradnjo v spuščene strope.

KONSTRUKCIJA:

- kvadratni ali okrogli difuzor
- plastični usmerniki zraka
- okrogla razporeditev usmernikov

MATERIAL: jeklena pločevina

BARVA: bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

MONTAŽA: pritrditev z enim centralnim ali štirimi stranskimi vijaki na komoro tipa PB-2

DESCRIPTION:

The VD-2 swirl diffuser with adjustable air diffusers is designed for ventilating low-rise rooms from 2.6 m to 4 m high. It is suitable for installation in dropped ceilings.

CONSTRUCTION:

- square or round diffuser
- plastic deflectors
- radial deflector arrangement

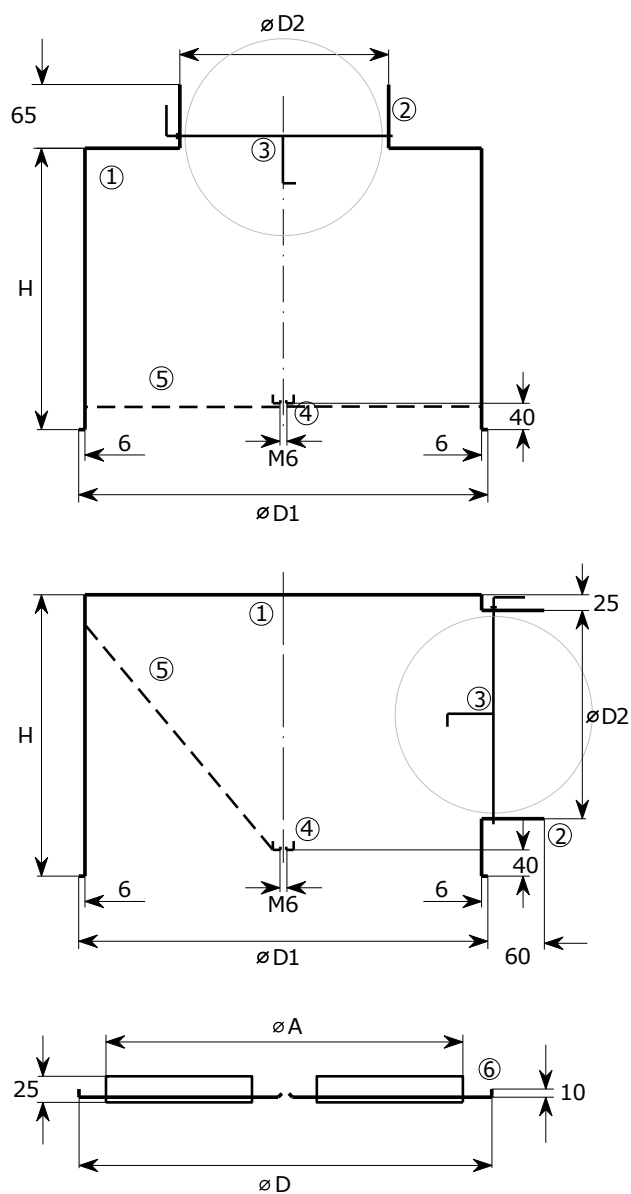
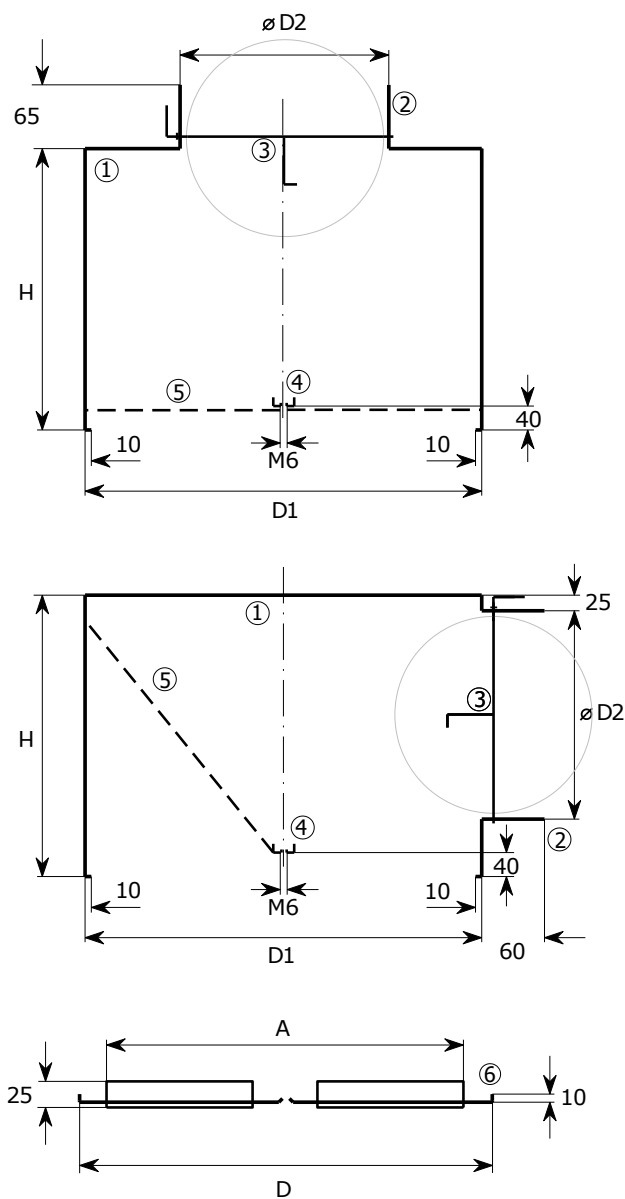
MATERIAL: steel sheet metal

FINISH: RAL 9010 MAT white, or any colour from the RAL palette

INSTALLATION: with one central or four side screws on the plenum box PB-2

DIMENZIJE / DIMENSIONS:

	D	Ø D	D1	Ø D2		H		A
310/8	305	310	301	158		230		275
400/16	395	400	391	158	198	230	270	365
500/16	495	500	391	158	198	230	270	365
600/16	595	600	391	158	198	230	270	365
625/16	620	625	391	158	198	230	270	365
500/24	495	500	491	198	248	270	320	450
600/24	595	600	591	198	248	270	320	550
625/24	620	625	591	198	248	270	320	550
600/48	595	600	591	248		320		565
625/54	620	625	616	248		320		590
800/72	795	800	791	313	348	385	420	765

K- kvadratna / square**R-** okrogla / round

1. komora PB-2 / plenum PB-2
2. okrogla priključna odprtina / round connection opening
3. regulacijska loputka / volume control damper
4. prečka / traverse
5. perforirana razpršilna plošča (samo za dovod) / dispersing plate (for supply only)
6. difuzor / diffuser

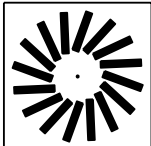
**OBLIKE DIFUZORJEV IN RAZPOREDITEV USMERNIKOV:
SHAPES OF DIFFUSERS AND DEFLECTOR ARRANGEMENTS:**

K**R**

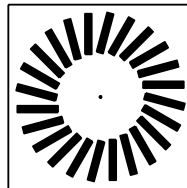
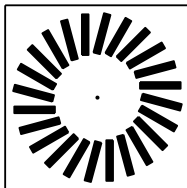
dim 310/8



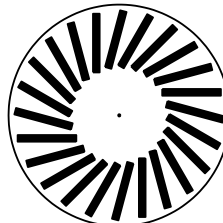
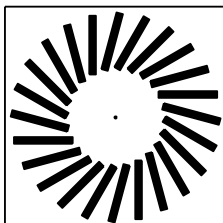
dim 400/16, 500/16, 600/16, 625/16



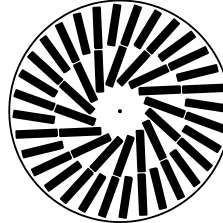
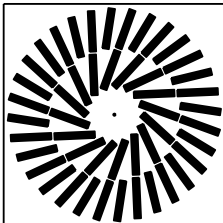
dim 500/24



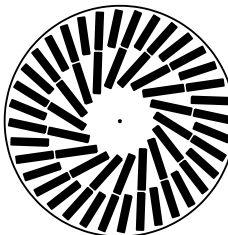
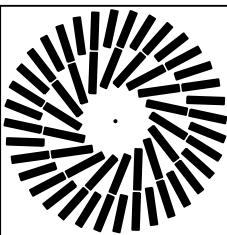
dim 600/24, 625/24



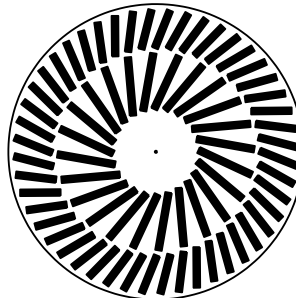
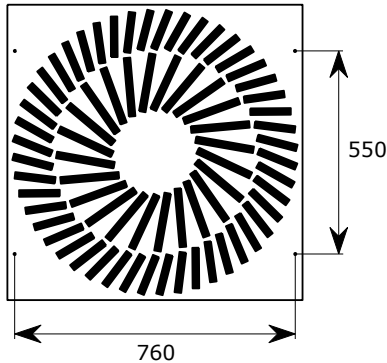
dim 600/48



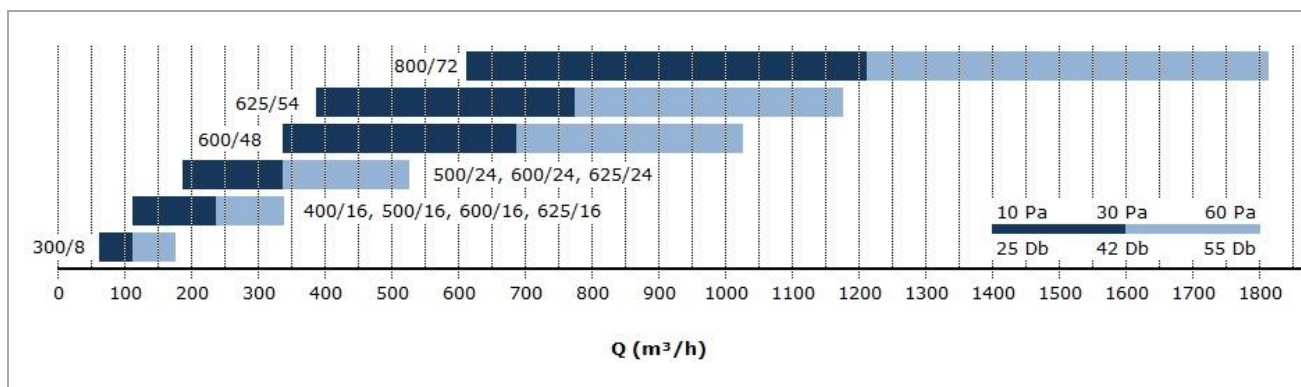
dim 625/54



dim 800/72



HITRA IZBIRA / FAST SELECTION:



NAČIN NAROČANJA / HOW TO ORDER:

VD-2	K	600	/	24	RAL 9010 MAT	Z	PB-2	PP	600	/	198	H	ISO 6mm
													izolacija / insulation 6 mm, 10 mm, 19 mm pozicija priključka position of connection H – horizontalen / horizontal V- vertikalni / vertical priključek / connection opening standard poljuben / optional dimenzija komore / plenum dimension perforirana razpršilna plošča / dispersing plate komora / plenum PB-2 komora / plenum smer vpiha / direction of air Z - dovod / supply A - odvod / exhaust barva / colour standard RAL 9010 MAT poljubna / optional št. usmernikov / No. of deflectors 8, 16, 24, 48, 54, 72 dimenzija difuzorja / diffuser dimension 300, 400, 500, 600, 625, 800 oblika / shape K - kvadratna / square R - okrogla / round tip difuzorja / diffuser type



VD-3

VRTINČNI DIFUZOR SWIRL DIFFUSER

OPIS:

Vrtinčni difuzor VD-3 z nastavljivimi usmerjevalniki zraka je namenjen prezračevanju nizkih prostorov višine od 2,6 m do 4 m. Primeren je za vgradnjo v spuščene stropce.

KONSTRUKCIJA:

- kvadraten ali okrogel difuzor
- plastični usmerniki zraka
- kvadratna ali okrogla razporeditev usmernikov

MATERIAL: jeklena pločevina

BARVA: bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

MONTAŽA: pritrditev z enim centralnim ali štirimi stranskimi vijaki na komoro tipa PB-2.

DESCRIPTION:

The VD-3 swirl diffuser with adjustable air diffusers is designed for ventilating low-rise rooms from 2.6 m to 4 m high. It is suitable for installation in dropped ceilings.

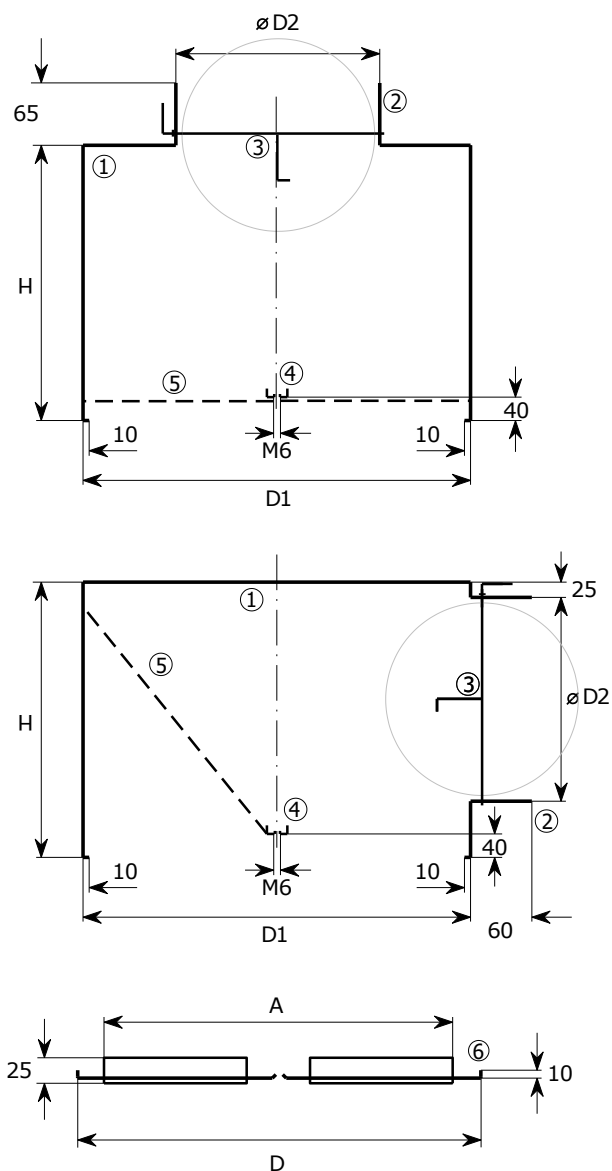
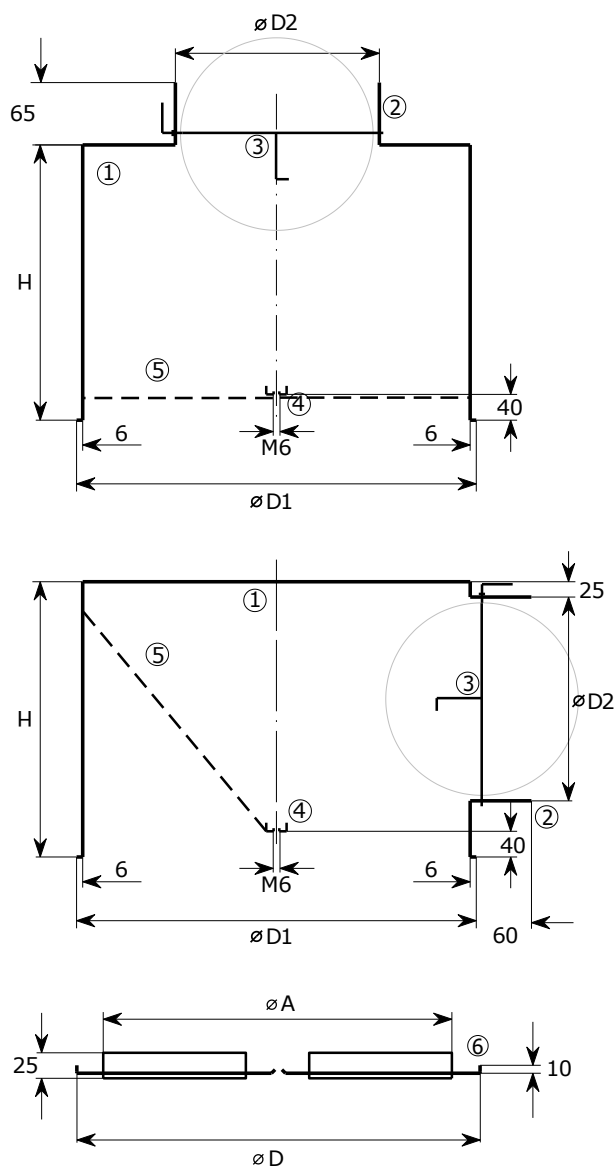
CONSTRUCTION:

- square or round diffuser
- plastic deflectors
- square or radial deflector arrangement

MATERIAL: steel sheet metal

FINISH: RAL 9010 MAT white, or any colour from the RAL palette

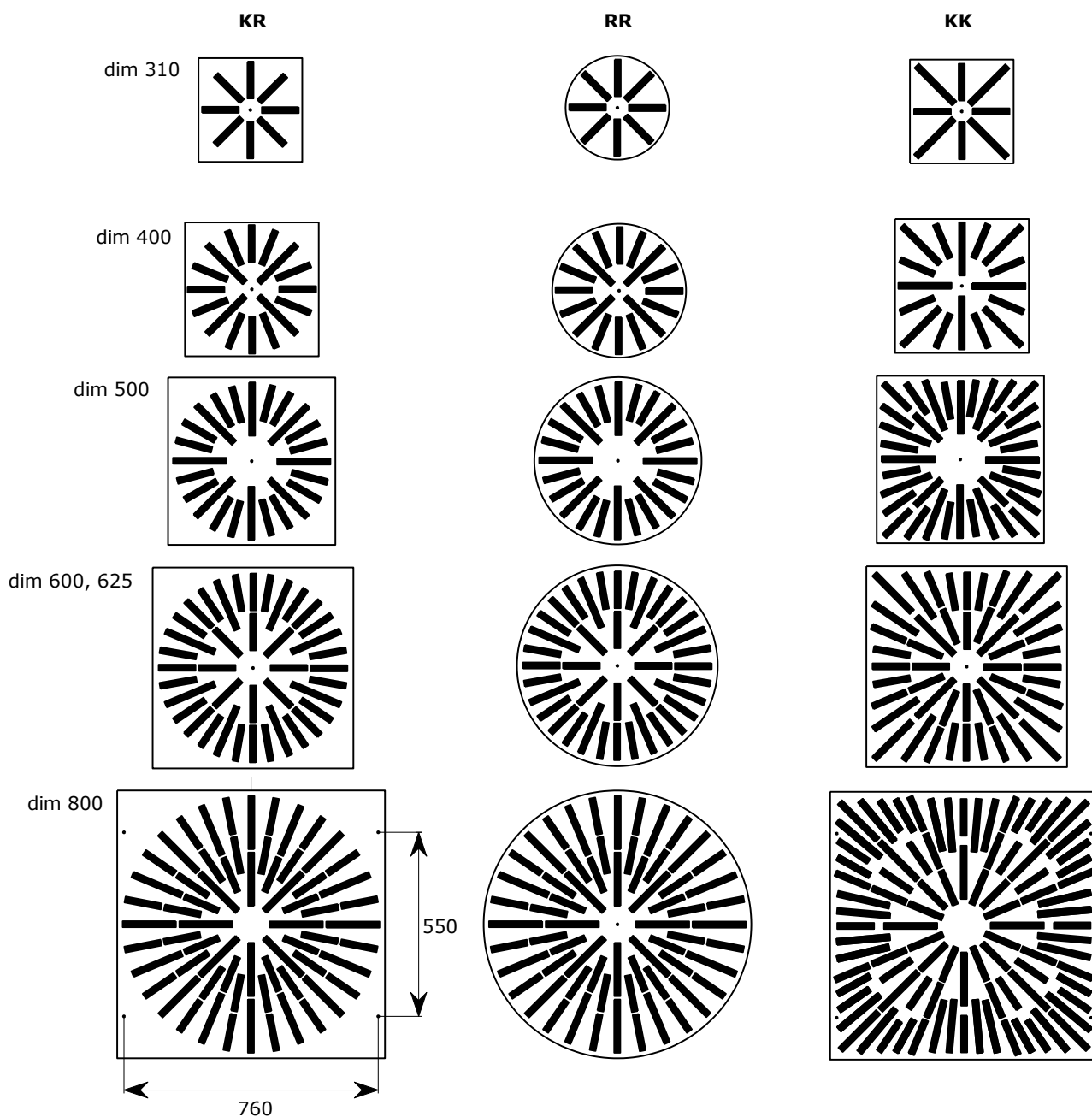
INSTALLATION: with one central or four side screws on the plenum box PB-2.

DIMENZIJE / DIMENSIONS:**K- kvadratna / square****R- okrogla / round**

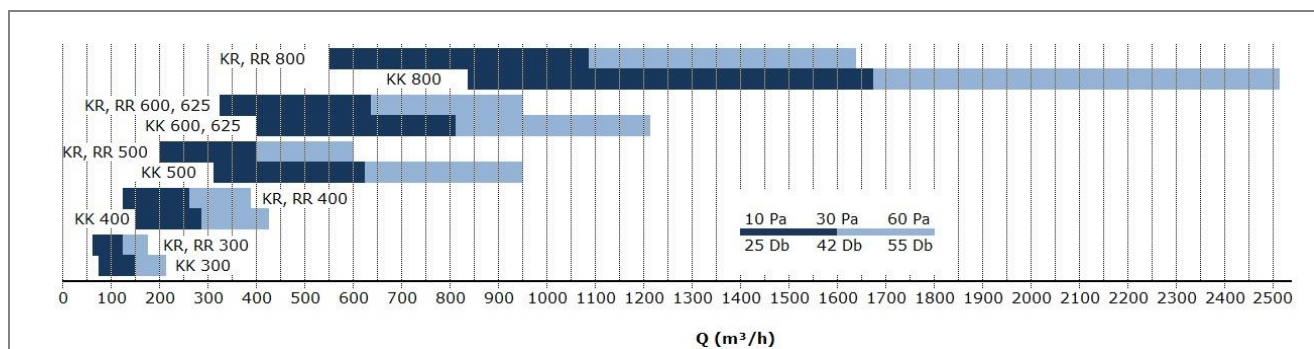
1. komora PB-2
plenum PB-2
2. okrogla priključna odprtina
round connection opening
3. regulacijska loputka
volume control damper
4. prečka / traverse
5. perforirana razpršilna plošča (samo za dovod)
dispersing plate (supply only)
6. difuzor
diffuser

	D	$\varnothing D$	D1	$\varnothing D2$		H		A
310	305	310	301	158		230		289
400	395	400	391	158	198	230	270	365
500	495	500	491	198	248	270	320	465
600	595	600	591	198	248	270	320	565
625	620	625	591	198	248	270	320	565
800	795	800	791	313	348	385	420	765

**OBLIKE DIFUZORJEV IN RAZPOREDITEV USMERNIKOV:
SHAPES OF DIFFUSERS AND DEFLECTOR ARRANGEMENTS:**



HITRA IZBIRA / FAST SELECTION:



NAČIN NAROČANJA / HOW TO ORDER:

VD-3	KR	600	RAL 9010 MAT	Z	PB2	PP	600	/	200	H	ISO 6mm
											izolacija / insulation 6 mm, 10 mm, 13 mm, 19 mm pozicija priključka position of connection H – horizontalen / horizontal V- vertikalni / vertical priključek / connection opening standard poljuben / optional dimenzija komore / plenum dimension perforirana razpršilna plošča / dispersing plate komora / plenum PB2 komora / plenum smer vpiha / direction of air Z - dovod / supply A - odvod / exhaust barva / colour standard RAL 9010 poljubna / optional dimenzija difuzorja / diffuser dimension 300, 400, 500, 600, 625, 800 oblika / shape KK-kvadraten difuzor s kvadratno razporeditvijo usmernikov / square diffuser with square deflector arrangement KR-kvadraten difuzor z okroglo razporeditvijo usmernikov / square diffuser with radial deflector arrangement RR-okrogel difuzor z okroglo razporeditvijo usmernikov / round diffuser with radial deflector arrangement tip difuzorja / diffuser type



VD-5

VRTINČNI DIFUZOR SWIRL DIFFUSER

OPIS:

Vrtinčni difuzor VD-5 je namenjen prezračevanju nizkih prostorov višine od 2,6 do 4 m. Primeren je za vgradnjo v spuščene stropne.

KONSTRUKCIJA:

- kvadraten ali okrogel difuzor
- fiksne lamele
- okrogla razporeditev lamel
- usmerjevalni obroč

MATERIAL:

- STANDARD: pocinkana pločevina Magnelis
- OPCIJA:
 - nerjaveča pločevina INOX AISI 304 SB
 - nerjaveča pločevina INOX AISI 304 SIJAJ
 - nerjaveča pločevina INOX AISI 316 SB

BARVA: bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

MONTAŽA: pritrditev z enim centralnim ali štirimi stranskimi vijaki na komoro tipa PB-2

DESCRIPTION:

The VD-5 swirl diffuser can be used for various ceiling heights from 2.6 m to 4 m. It is suitable for installation in dropped ceilings.

CONSTRUCTION:

- square or round diffuser
- fixed blades
- radial blade arrangement
- guidance ring

MATERIAL:

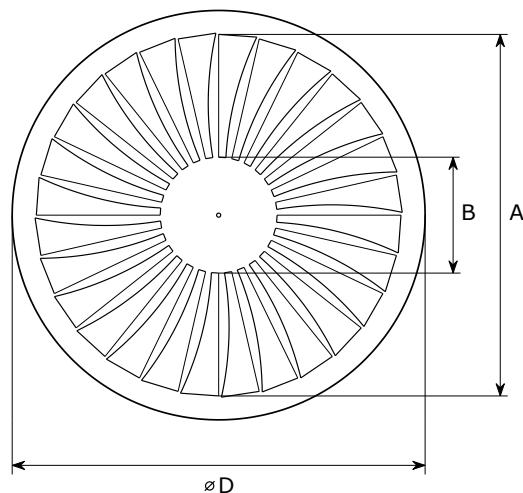
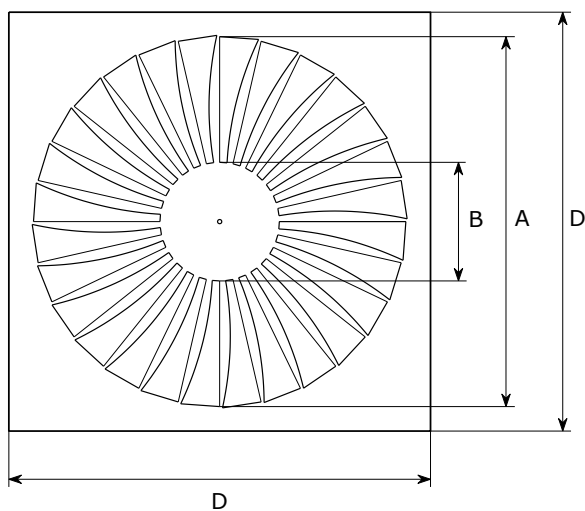
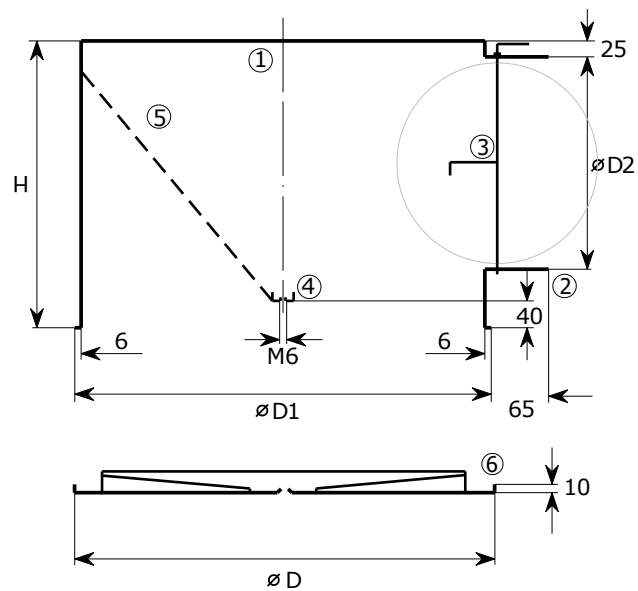
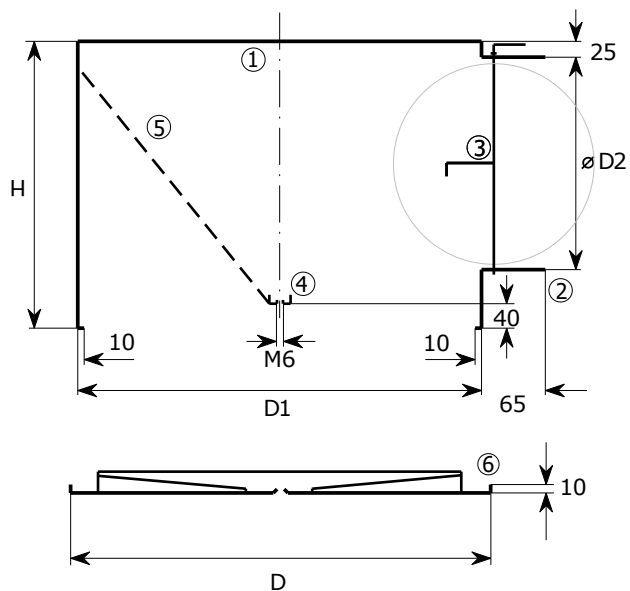
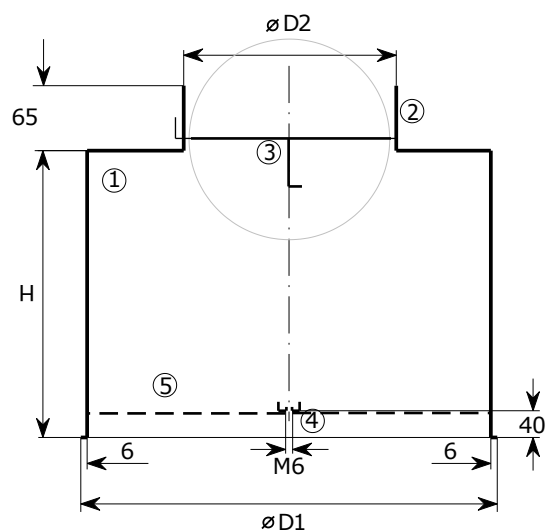
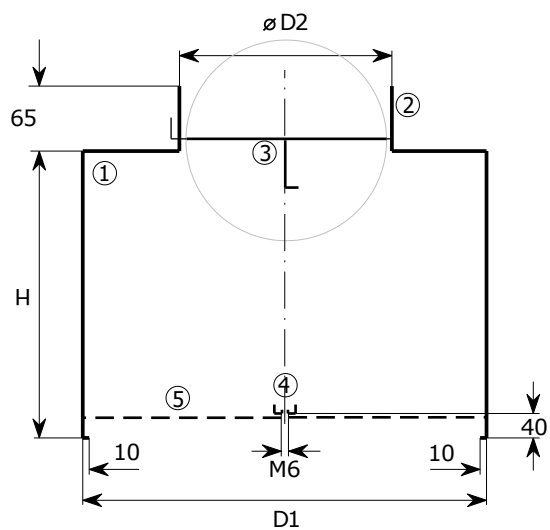
- STANDARD: galvanized sheet metal - Magnelis
- OPTION:
 - stainless steel sheet metal INOX AISI 304 SB
 - stainless steel sheet metal INOX AISI 304 GLOSS
 - stainless steel sheet metal INOX AISI 316 SB

FINISH: RAL 9010 MAT white, or any colour from the RAL palette

INSTALLATION: with one central screw on the plenum box PB-2

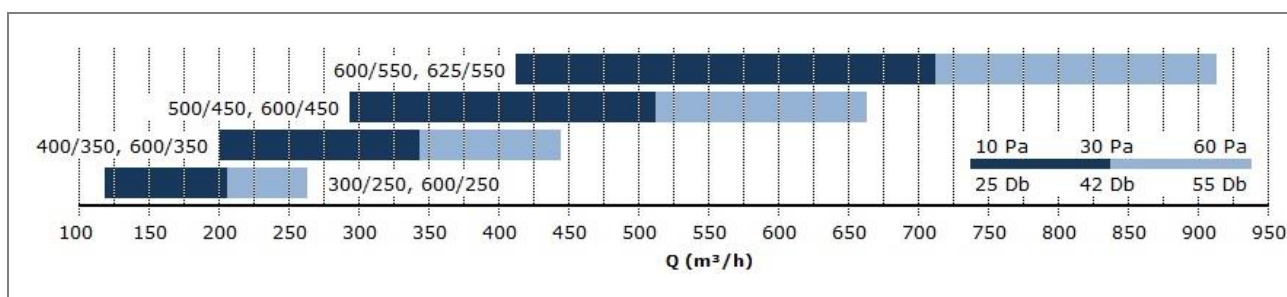
DIMENZIJE / DIMENSIONS:

K - kvadratna / square

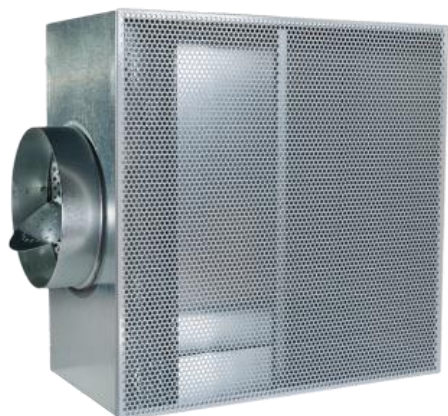
R - okrogla / round


1. komora PB-2
plenum PB-2
2. okrogla priključna
odprtina
round connection opening
3. regulacijska loputka
volume control damper
4. prečka
traverse
5. perforirana razpršilna
plošča
perforated dispersing
plate
6. difuzor
diffuser

	D	Ø D	B	A	D1	Ø D2	H
300/250	295	300	80	240	291	158	230
400/350	395	400	85	340	391	158	198
500/450	495	500	140	440	491	198	248
600/250	595	600	80	240	291	158	230
600/350	595	600	85	340	391	158	198
600/450	595	600	140	440	491	198	248
600/550	595	600	170	540	591	198	248
625/550	620	625	170	540	591	198	248

HITRA IZBIRA / FAST SELECTION:**NAČIN NAROČANJA / HOW TO ORDER:**

VD-5	K	600	/	550	RAL 9010 MAT	PB-2	PP	600	/	200	H	ISO 6mm
												izolacija / insulation 6 mm, 10 mm, 19 mm
												pozicija priključka position of connection H – horizontalen / horizontal V – vertikalni / vertical
												priključek / connection opening standard 200, 250 poljuben / optional
												dimenzija komore / plenum dimension perforirana razpršilna plošča / dispersing plate
												komora / plenum PB2 komora / plenum
												material in barva / material and colour Standard: ZN + RAL 9010 MAT Options: INOX 304 SB INOX 304 gloss INOX 316 SB
												velikost lamelnega dela / dimension of blade area 250,350,450,550
												dimenzija difuzorja / diffuser dimension 300, 400, 500, 600, 625
												oblika / shape K - kvadratna / square R - okrogla / round
												tip difuzorja / diffuser type



PP

PERFORIRANI VRTINČNI DIFUZOR PERFORATED SWIRL DIFFUSER

OPIS:

Perforirani vrtinčni difuzor je namenjen dovodu in odvodu zraka iz prostora. Primeren je za vgradnjo v spuščene strope.

KONSTRUKCIJA:

- **PP** v celoti perforiran kvadratni difuzor
 - 54 % perforacija, luknjice fi 6 mm
- **PP-A** kvadraten difuzor z ne perforiranim robom
 - 38 % ali 43 % perforacija, luknjice fi 6 mm
 - 69 % perforacija, luknjice 10x10 mm
 - 77 % perforacija, luknjice 15x15 mm
- **PP-B** kvadraten difuzor z ne perforiranim robom in osem kotnikom v sredini plošče
 - 38 % ali 43 % perforacija, luknjice fi 6 mm
- na željo kupca se izdelava poljubna velikost difuzorja in oblika perforacije (opcije je potrebno preveriti pri proizvajalcu)

MATERIAL:

- pocinkana pločevina (standard 0,7 mm, opcije 0,6-1 mm)
- nerjaveča pločevina INOX AISI 304 B2 0,6 mm (samo tip PP 6-54, PP 6-54/C1, PP 10x10-69 in PP 15x15-77)

BARVA:

bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

MONTAŽA:

- montaža na spuščeni strop
- pritrditev s centralnim vijakom na komoro PB-2

DODATKI:

Komora PB-2 – ohišje, priklop, obešala.

Na željo kupca se komori doda:

- prečka
- regulacijska loputa z zunanjo in notranjo ročico
- perforirana razpršilna pločevina
- utor s tesnilnim obročem na priklopu
- izolacija debeline 6, 10, 13 ali 19 mm na zunanji ali notranji strani

DESCRIPTION:

The perforated swirl diffuser is used to supply and exhaust air from the room. It is suitable for installation on dropped ceilings.

CONSTRUCTION:

- **PP** fully perforated square diffuser
 - 54 % perforation, fi 6 mm holes
- **PP-A** square diffuser with non-perforated edge
 - 38 % or 43 % perforation, fi 6 mm holes
 - 69 % perforation, 10x10 mm holes
 - 77 % perforation, 15x15 mm holes
- **PP-B** square diffuser with non-perforated edge and an octagon in the centre of the panel
 - 38 % or 43 % perforation, fi 6 mm holes
- any diffuser size and perforation shape can be produced on request (options to be checked with the manufacturer)

MATERIAL:

- galvanized sheet metal (standard 0,7 mm, options: 0,6-1 mm)
- stainless steel sheet metal INOX AISI 304 B2 0,6 mm (types PP 6-54, PP 6-54/C1, PP 10x10-69 and PP 15x15-77 only)

FINISH:

RAL 9010 MAT white, or any colour from the RAL palette

INSTALLATION:

- installation on ceiling panels
- with one central screw on the plenum box PB-2

SUPPLEMENTS:

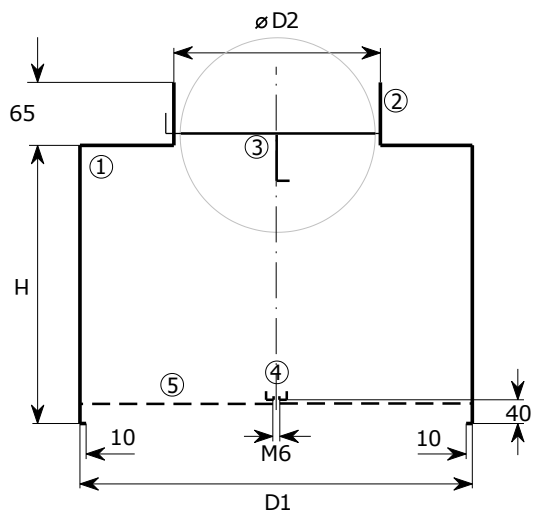
Plenum box PB-2 – casing, connection opening, hangers.

Per customer's request, the following can be added:

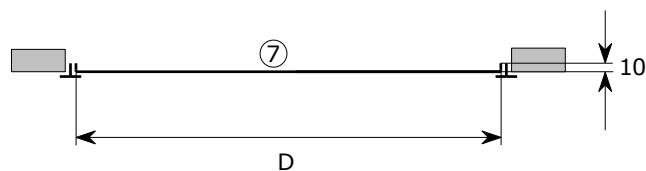
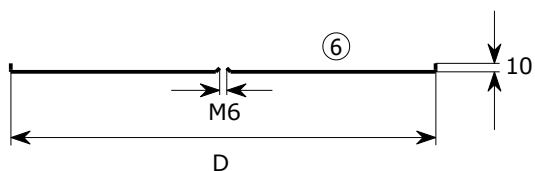
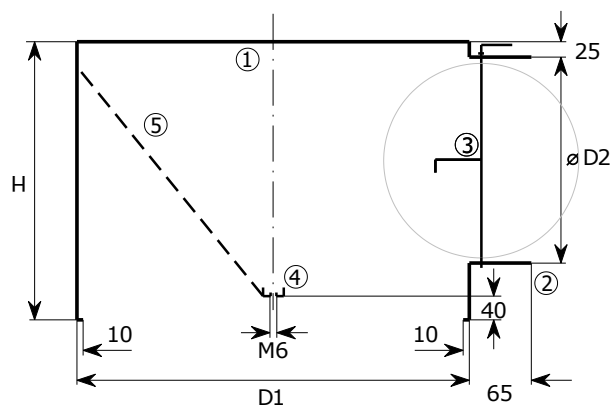
- traverse for mounting the diffuser
- damper with handle inside and outside
- perforated dispersing plate
- sealing ring on the connection opening
- insulation 6, 10, 13 or 19 mm on the inside or on the outside of the casing

DIMENZIJE / DIMENSIONS:

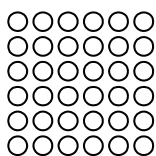
	D	D1	Ø D2		H	
400	495	391	158	198	230	270
600	595	591	198	248	270	320
625	620	616	248	313	320	385



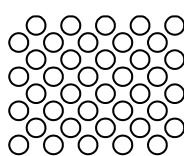
1. komora PB-2
plenum PB-2
2. okrogla priključna odprtina
round connection opening
3. regulacijska loputka
volume control damper
4. prečka
traverse
5. perforirana razpršilna plošča (samo za dovod)
perforated dispersing plate (only for supply)
6. difuzor s centralno luknjo
diffuser with central hole
7. difuzor brez centralne luknje
diffuser without central hole

**PP 6-38**

luknja / hole fi 6 mm 38 %

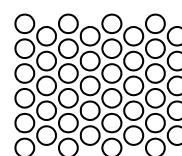
**PP 6-43**

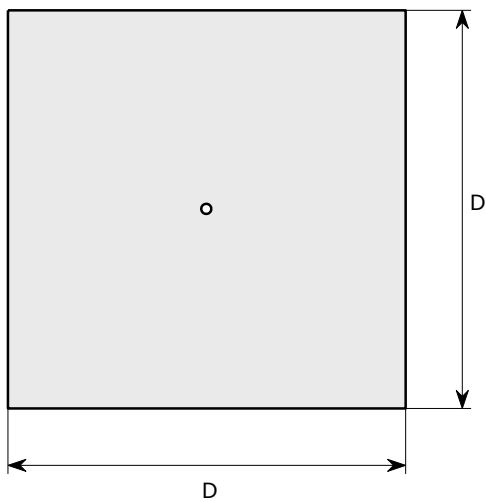
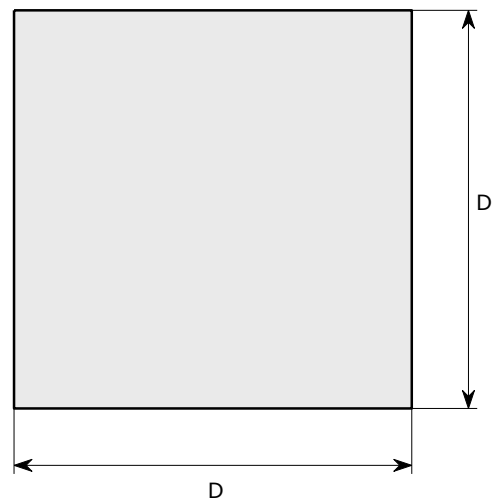
luknja / hole fi 6 mm 43 %



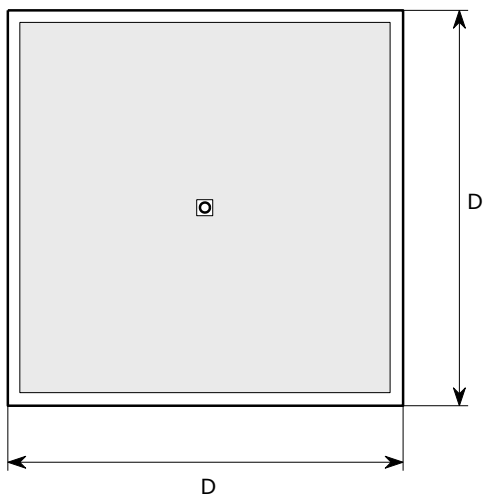
PP-6-54

luknja / hole fi 6 mm 54 %

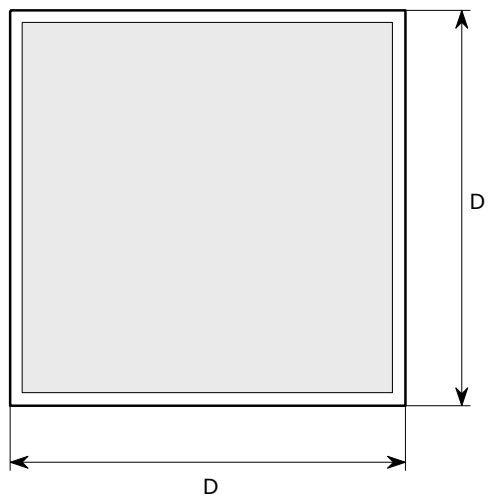
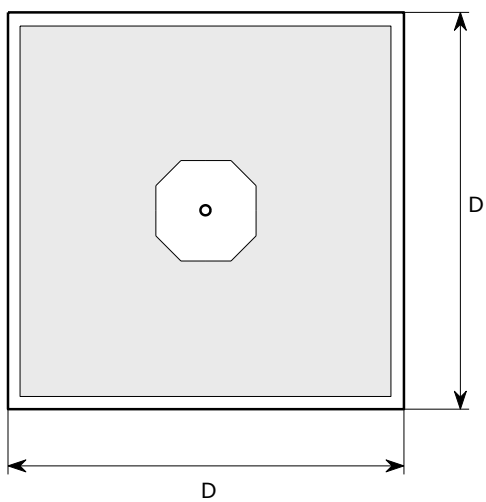
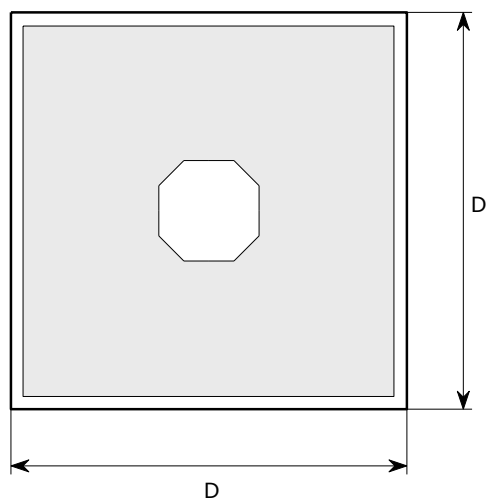


PP 6-54 / C1**PP 6-54**

PP 6-38 / A / C1
PP 6-43 / A / C1
PP 10x10-69 / A / C1
PP 15x15-77 / A / C1

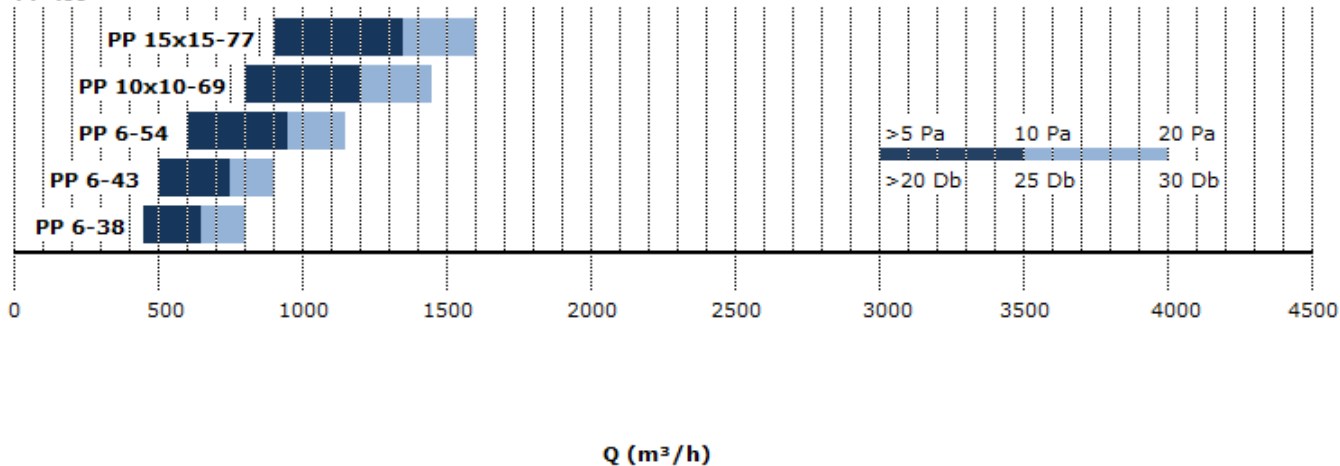


PP 6-38 / A
PP 6-43 / A
PP 6-54 / A
PP 10x10-69 / A
PP 15x15-77 / A

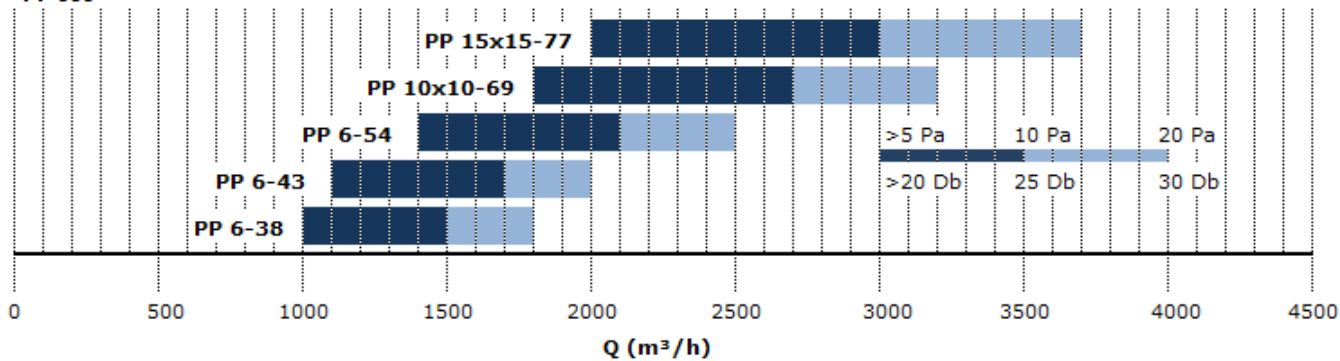
**PP 6-38 / B / C1****PP 6-38 / B**

HITRA IZBIRA / FAST SELECTION:

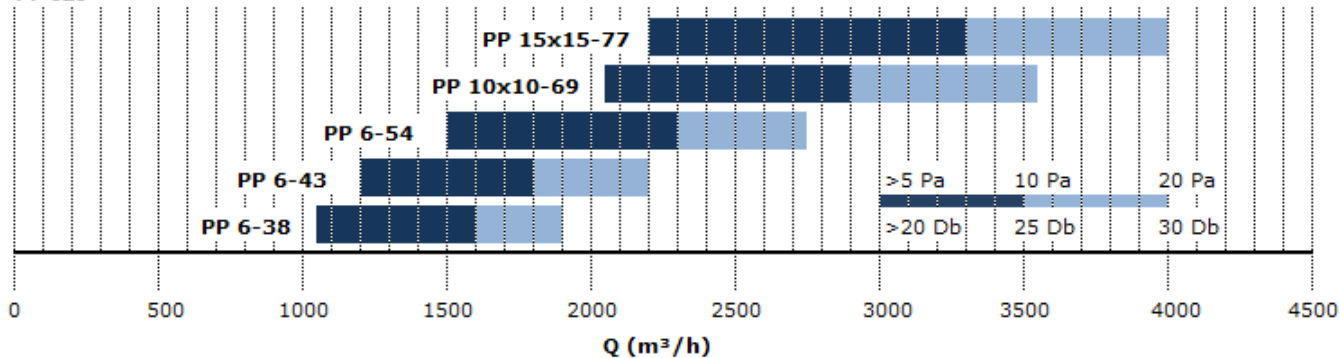
PP 400



PP 600



PP 625



NAČIN NAROČANJA / HOW TO ORDER:

PP 6-54		C1	600	RAL 9010 MAT	PB-2	600	/	200	H	PR / ISO 6mm
										ISO - izolacija / insulation 6, 10, 13, 19 mm PR - prečka /traverse L - loputa / damper PP - perforirana plošča perforated plate pozicija priključka position of connection H - horizontalen / horizontal V - vertikalni / vertical priključek / connection opening standard 200, 250, 315 poljuben / optional dimenzija komore / plenum dimension komora / plenum PB-2 komora / plenum
										barva / colour standard RAL 9010 MAT dimenzija / dimension standard 400, 600, 625 poljuben / optional montaža / installation C1 - centralna luknja za vijak (montaža na komoro) / central hole for screw (installation on plenum box) / - brez centralne luknje (montaža na modularni spuščeni strop) / without central hole (installation on suspended modular ceiling) / v celoti perforiran difuzor / fully perforated diffuser A - ne perforiran rob / non-perforated edge B - ne perforiran rob in osem kotnik v sredini plošče / non-perforated edge and an octagon in the centre
										tip difuzorja / diffuser type PP 6-54 PP 6-43 PP 6-38 PP 10x10-69 PP 15x15-77 PP ...



SVD-1

STOPNIŠČNI DIFUZOR STEP DIFFUSER

OPIS:

Stopniščni difuzor je primeren za prezračevanje koncertnih dvoran, kino dvoran, gledališč oz. avditornih dvoran. Vgrajuje se steno ali tla stopniščnega predela.

KONSTRUKCIJA: difuzor z režami razporejenimi v kvadrat ali krog

MATERIAL: pocinkana pločevina

BARVA: bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

MONTAŽA: centralna pritrditev z vijakom, prečko in vgradnim obročem

DESCRIPTION:

The step diffuser can be used for the ventilation of movie theatres, big halls, concert halls, etc. It can be mounted on the floor or onto walls of stair area.

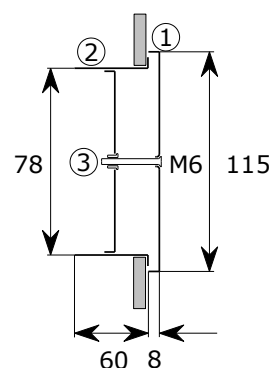
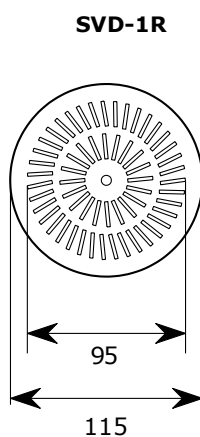
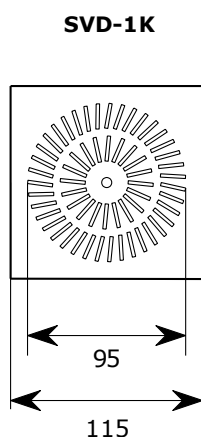
CONSTRUCTION: diffuser with slots arranged in square or circle

MATERIAL: galvanized sheet metal

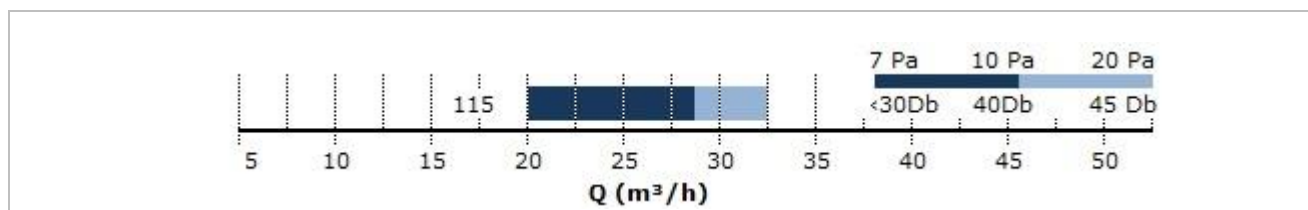
FINISH: RAL 9010 MAT white, or any colour from the RAL palette

INSTALLATION: central fixation with screw, traverse, and mounting ring

DIMENZIJE / DIMENSIONS:



1. difuzor / diffuser
2. vgradni obroč / mounting ring
3. vijak / screw

HITRA IZBIRA / FAST SELECTION:**NAČIN NAROČANJA / HOW TO ORDER:**

SVD-1R	115	RAL 9010
		barva / colour standard RAL 9010 MAT dimenzija / dimension standard 115 poljubno / optional tip difuzorja / diffuser type SVD-1R SVD-1K



SVD-2

STOPNIŠČNI DIFUZOR STEP DIFFUSER

OPIS:

Stopniščni difuzor je primeren za prezračevanje koncertnih dvoran, kino dvoran, gledališč oz. avditornih dvoran. Vgrajuje se steno ali tla stopnišnega predela.

KONSTRUKCIJA: difuzor z režami razporejenimi v kvadrat ali krog

MATERIAL: pocinkana pločevina

BARVA: bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

MONTAŽA: centralna pritrditev z vijakom, prečko in vgradnim obročem

DESCRIPTION:

The step diffuser can be used for the ventilation of movie theatres, big halls, concert halls, etc. It can be mounted on the floor or onto walls of stair area.

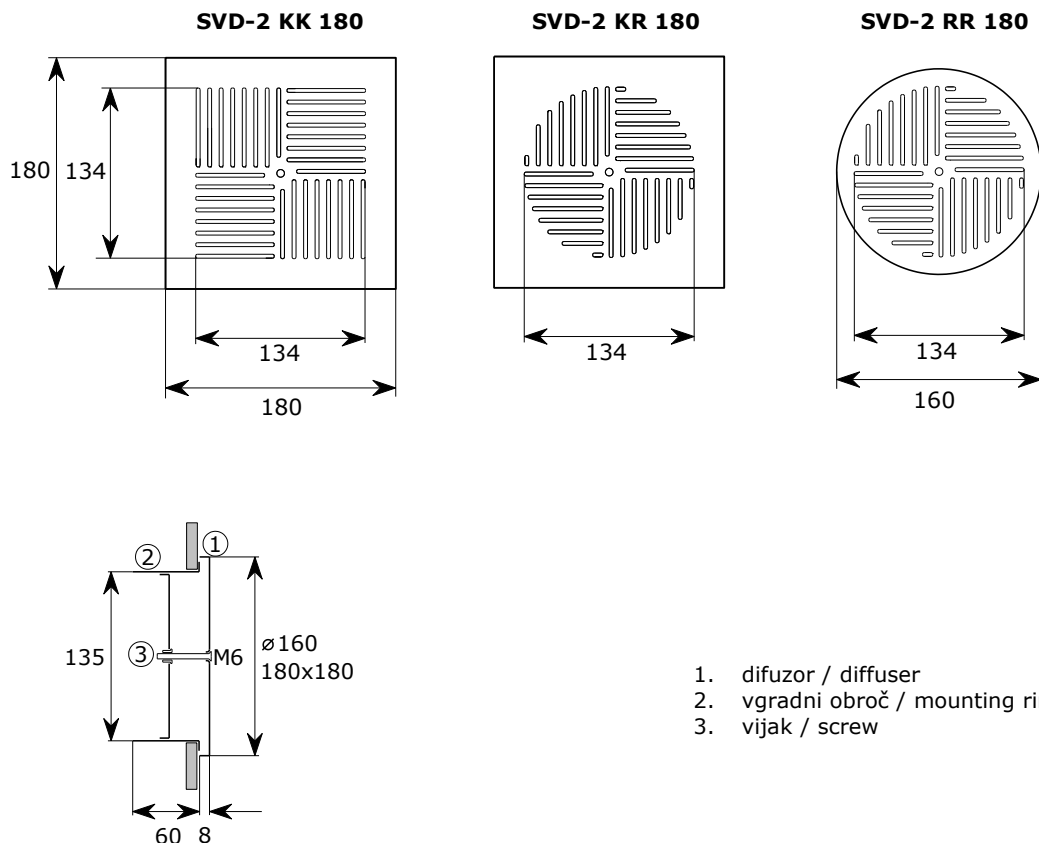
CONSTRUCTION: diffuser with slots arranged in a square or a circle

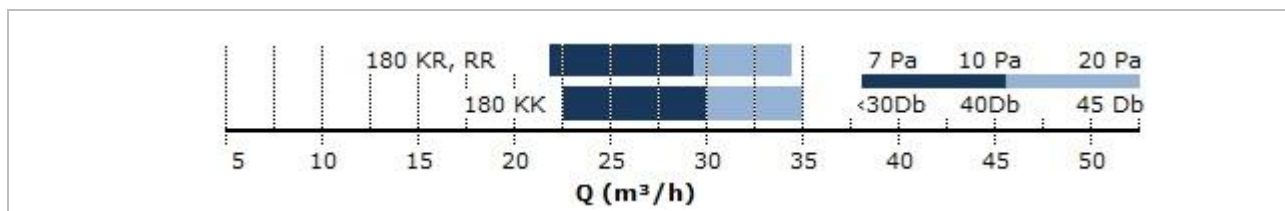
MATERIAL: galvanized sheet metal

FINISH: RAL 9010 MAT white, or any colour from the RAL palette

INSTALLATION: central fixation with screw, traverse, and mounting ring

DIMENZIJE / DIMENSIONS:



HITRA IZBIRA / FAST SELECTION:**NAČIN NAROČANJA / HOW TO ORDER:**

SVD-2 RR	180	RAL 9010
barva / colour standard RAL 9010		
dimenzija / dimension standard 180 poljubno / optional		
tip difuzorja / diffuser type SVD-2 KK SVD-2 KR SVD-2 RR		



SVD-3

TALNI DIFUZOR FLOOR DIFFUSER

OPIS:

Talni difuzor je primeren za prezračevanje koncertnih dvoran, kino dvoran, gledališč oz. avditornih dvoran. Vgrajuje se steno ali tla stopnišnega predela.

KONSTRUKCIJA: frontalna plata z luknjicami razporejenimi v krog. Vgradni obroč s tesnilom je prilepljen na frontalno plato.

MATERIAL:

- frontalna plata:
 - nerjaveča pločevina INOX AISI 304
 - pocinkana pločevina (opcija)
- vgradni obroč - pocinkana pločevina

BARVA: na željo kupca poljubna barva po RAL lestvici

MONTAŽA: z vgradnim obročem

DESCRIPTION:

The floor diffuser can be used for ventilation of cinemas, bigger halls, concert halls, etc. It can be mounted on the floor or onto walls of stair area.

CONSTRUCTION: front plate with holes arranged in a circle. Installation ring with rubber seal is glued on front plate.

MATERIAL:

- front plate:
 - stainless steel sheet metal INOX AISI 304
 - galvanized sheet metal (option)
- installation ring - galvanized sheet metal

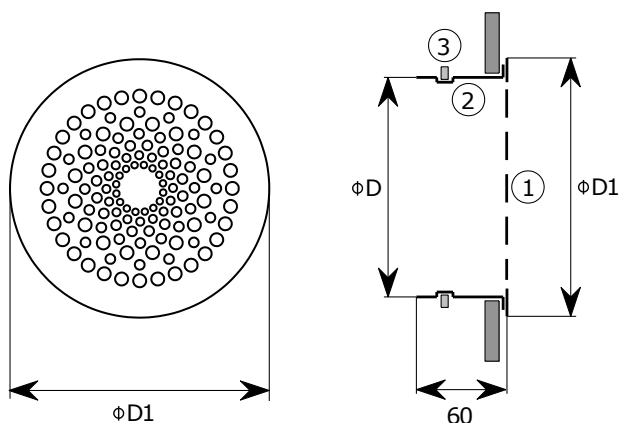
FINISH: any RAL colour according to the customer's request.

INSTALLATION: with mounting ring

SVD-3	125	INOX 304	/
			barva / colour poljubno / optional
		material ZN INOX 304	
		dimenzija / dimension standard 100, 125 poljubno / optional	
		tip difuzorja / diffuser type	
		DIMENZIJE / DIMENSIONS:	

NAČIN NAROČANJA / HOW TO ORDER:

	Ø D	Ø D1
100	98	140
125	123	160



- difuzor / diffuser
- vgradni obroč / installation ring
- tesnilni obroč / rubber ring



SKD

SPIROKANALSKI DIFUZOR TUBE SLOT DIFFUSER

OPIS:

Spiro kanalski difuzor je primeren za dovajanje toplega in hladnega zraka v večje prostore (telovadnice, dvorane, industrijske hale...)

KONSTRUKCIJA:

- difuzor oblikovan v cev
- poljubno število rež
- črni plastični usmerniki zraka.

DODATKI:

- na željo kupca se vgradi regulator količine zraka. Regulator se nastavlja s pomočjo izvijača skozi režo.
- v kolikor je v liniji vgrajenih več spiro kanalskih difuzorjev brez regulatorja, priporočamo, da se med njimi vgradijo regulacijske lopute.

MATERIAL: pocinkana pločevina

BARVA: bela barva RAL 9010 MAT ali na željo kupca poljubna barva po RAL lestvici

DESCRIPTION:

Tube slot diffuser is suitable for the supply of warm and cold air to larger areas (e.g. of gymnasiums, conference and industrial halls).

CONSTRUCTION:

- tube shaped diffuser
- optional numbers of slots
- black plastic air deflector elements

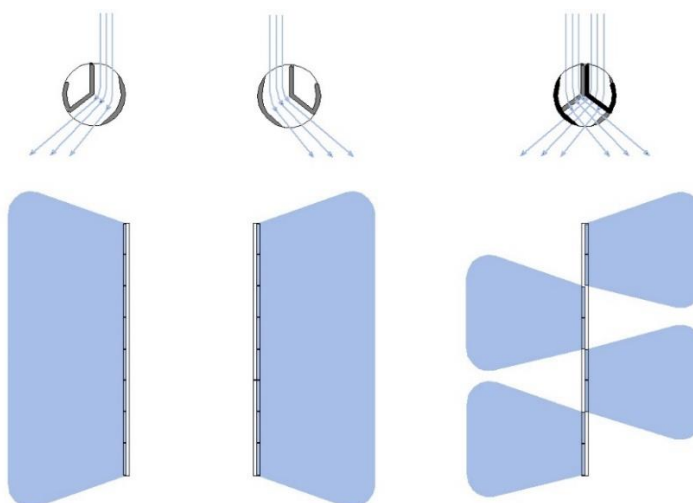
SUPPLEMENTS:

- air volume regulator is installed on customer's request. Regulator is adjusted with a screwdriver through a slot.
- damper is recommended for installation with several tube slot diffusers without regulator in one line

MATERIAL: galvanized sheet metal

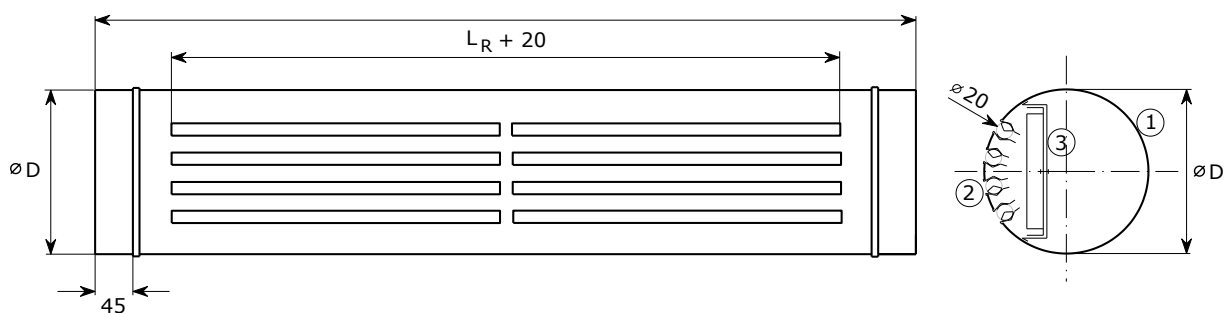
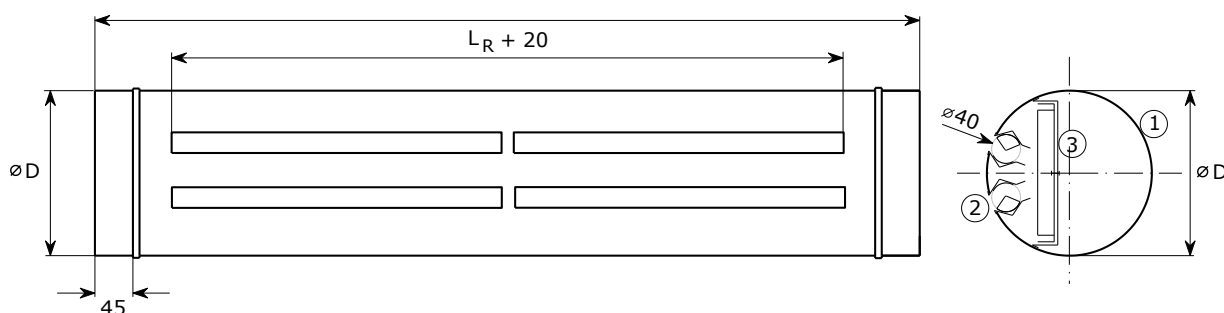
POWDER COATING: white RAL 9010 MAT or can be any RAL colour according to the customer's request.

SMER VPIHA / AIR INTAKE DIRECTION:



DIMENZIJE / DIMENSIONS:

1. cev / tube
2. plastični usmerniki zraka / plastic air deflector
3. regulator pretoka zraka / air volume regulator

SKD-20**SKD-40****TEHNIČNI PODATKI / TECHNICAL DATA:**

tip type	L	L reže L of slot	Število rež No. of slots	Priporočen pretok zraka [m³/h] Recommended air flow volume [m³/h]				
				ØD=150-200	250-315	355-400	450-500	560-630
SKD-20	1000	800 (2x400)	2	120	120	120	120	120
			4	240	240	240	240	240
			6		360	360	360	360
			8			480	480	480
			10				600	600
			12					720
			14					840
	1200	1000 (2x500)	2		150	150	150	150
			4		300	300	300	300
			6		450	450	450	450
			8			600	600	600
			10				750	750
			12					900
			14					1050
	1500	1200 (2x600)	2		180	180	180	180
			4		360	360	360	360
			6		540	540	540	540
			8			720	720	720
			10				900	900
			12					1080
			14					1260

Priporočen pretok zraka je 75 m³/h na meter aktivne dolžine reže. $V_{ef}=2,5$ m/s

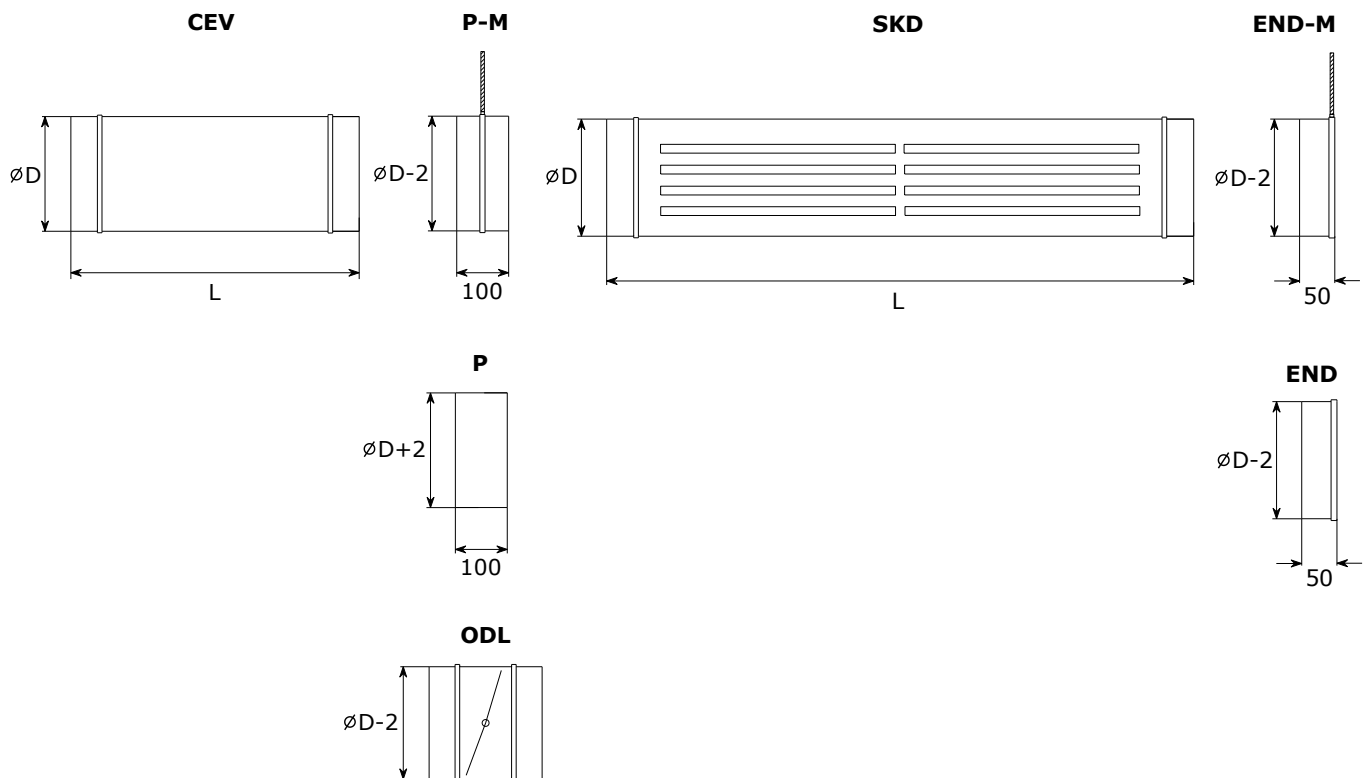
The recommended air flow rate is 75 m³/h per metre of active slot length. $V_{ef}=2,5$ m/s

tip type	L	L reže L of slot	Število rež No. of slots	Priporočen pretok zraka [m³/h] Recommended air flow volume [m³/h]				
				ØD=150-200	250-315	355-400	450-500	560-630
SKD-40	1000	800 (2x400)	2	240	240	240	240	240
			4		480	480	480	480
			6			720	720	720
			8				960	960
			10					1200
	1200	1000 (2x500)	2	300	300	300	300	300
			4		600	600	600	600
			6			900	900	900
			8				1200	1200
			10					1500
	1500	1200 (2x600)	2	360	360	360	360	360
			4		720	720	720	720
			6			1080	1080	1080
			8				1440	1440
			10					1800

Priporočen pretok zraka je 150 m³/h na meter aktivne dolžine reže. Vef=2,5 m/s

The recommended air flow rate is 150 m³/h per metre of active slot length. Vef=2,5 m/s

MONTAŽA IN DODATKI/ INSTALLATION AND SUPPLEMENTS:



NAČIN NAROČANJA / HOW TO ORDER:

SKD-20	250	/	2	L=1000	REG	ZN	RAL 9010M
							barva / colour standard RAL 9010 MAT po izbiri / custom
							material: standard ZN opcija /optional INOX
							dodatki / supplements: REG - regulator pretoka zraka / air volume regulator
							dolžina difuzorja L / length of diffuser L
							število rež / number of slots
							dimenzija cevi / tube dimension standard 160, 200, 250, 315, 355, 400, 560, 630
							tip difuzorja / diffuser type SKD-20 SKD-40

CEV	250	/	L=1000	ZN	RAL 9010M
					barva / colour standard RAL 9010 MAT po izbiri / custom
					material: standard ZN opcija /optional INOX
					dolžina cevi L / tube length L
					dimenzija cevi / tube dimension standard 160, 200, 250, 315, 355, 400, 560, 630
					dodatki / supplements CEV – gladka varjena cev / smooth welded tube ODL – loputa / damper P - povezovalni kos / connecting piece P-M - povezovalni kos z notranjo ojačitvijo in luknjo za pritrditev navojne palice M6 connecting piece with internal reinforcement and hole for attaching threaded rod M6 END – zaključni pokrov / end cover END-M – zaključni pokrov z luknjo za pritrditev navojne palice M6 end cover with rivet nut hole for attaching threaded rod M6



SKR

SPIROKANALSKA REŠETKA TUBE SLOT GRILL

OPIS:

Spiro kanalska rešetka je primerna za dovajanje toplega in hladnega zraka v večje prostore (telovadnice, dvorane, industrijske hale...)

KONSTRUKCIJA:

- rešetka
- poljubno število rež
- črni plastični usmerniki zraka

DODATKI:

- na željo kupca se vgradi regulator količine zraka. Regulator se nastavlja s pomočjo izvijača skozi režo.
- v kolikor je v liniji vgrajenih več spiro kanalskih rešetk brez regulatorja, priporočamo, da se med njimi vgradijo enostavne regulacijske lopute

MATERIAL: pocinkana pločevina

BARVA: bela barva RAL 9010 MAT ali na željo kupca poljubna barva po RAL lestvici

MONTAŽA: rešetka se z vijaki pritrdi na pravokotno odprtino prezračevalne cevi

DESCRIPTION:

The tube slot grill is suitable for the supply of warm and cold air to larger areas (e.g. of gymnasiums, conference and industrial halls).

CONSTRUCTION:

- the grill
- optional numbers of slots
- black plastic air deflector elements

SUPPLEMENTS:

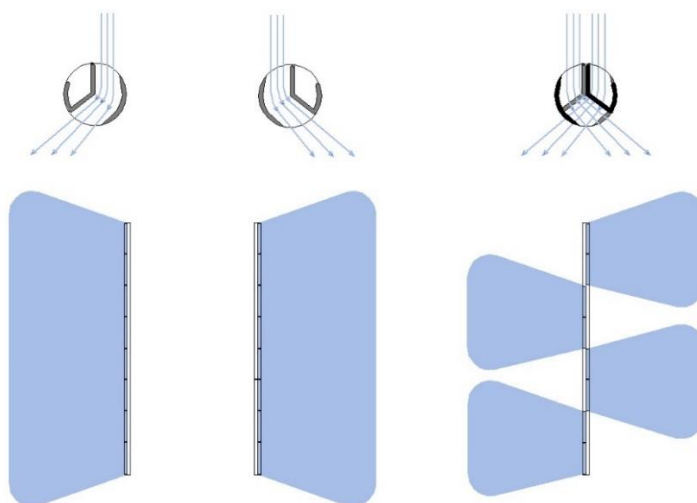
- air volume regulator is installed on customer's request. Regulator is adjusted with a screwdriver through a slot.
- damper is recommended for installation with several tube slot grills without regulator in one line

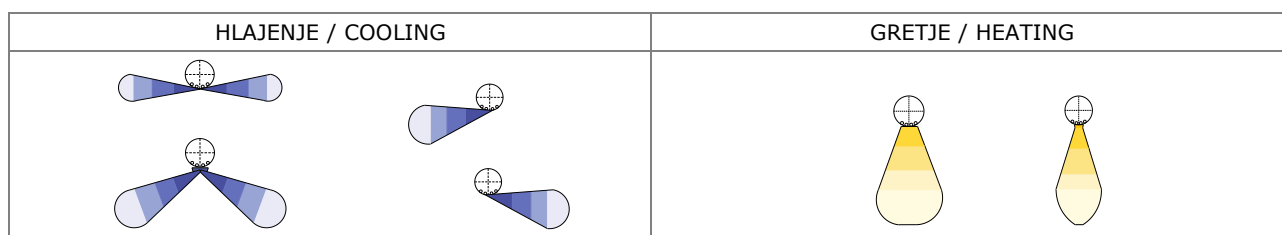
MATERIAL: galvanized sheet metal

POWDER COATING: white RAL 9010 MAT or can be any RAL colour according to the customer's request.

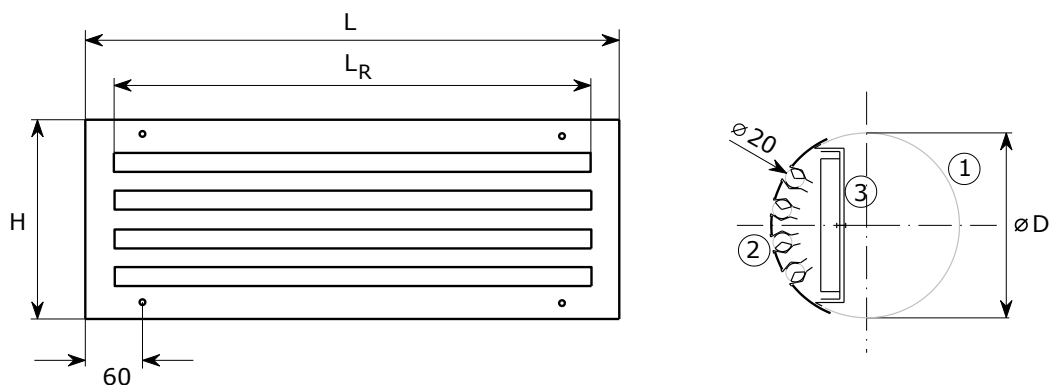
INSTALLATION: the grille is screw on square opening on the round duct.

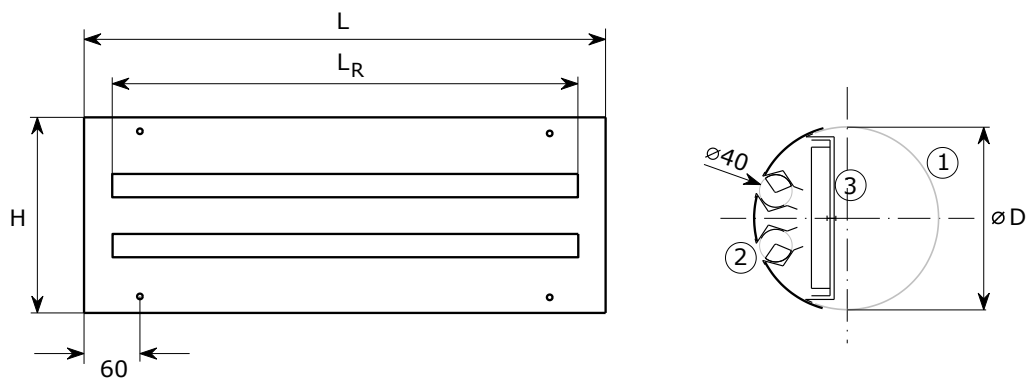
SMER VPIHA / AIR INTAKE DIRECTION:



**DIMENZIJE / DIMENSIONS:**

Tip /type	L	L _R	Ø D	število rež number of slots	H	dimenzija odprtine opening dimension
SKR-20	580	500	150 – 250	1-4	(število rež x 40) + 60 (No. of slots x 40) + 60	L-35 x H-35
			280 – 315	1-6		
			355 – 400	1-8		
			500 – 900	1-10		
	680	600	150 – 250	1-4		
			280 – 315	1-6		
			355 – 400	1-8		
			500 – 900	1-10		
	880	800	150 – 250	1-4		
			280 – 315	1-6		
			355 – 400	1-8		
			500 – 900	1-10		
SKR-40	580	500	150 – 200	1-2	(število rež x 40) + 60 (No. of slots x 40) + 60	L-35 x H-35
			250 – 400	1-6		
			500 – 900	1-8		
	680	600	150 – 250	1-2		
			280 – 315	1-2		
			500 – 900	1-8		
	880	800	150 – 250	1-2		
			280 – 315	1-4		
			500 – 900	1-8		
			500 – 900	1-8		

SKR-20

SKR-40

1. cev / tube
2. plastični usmerniki zraka / plastic air deflector
3. regulator pretoka zraka / air volume regulator

TEHNIČNI PODATKI / TECHNICAL DATA:

	L reže L of slot	Število rež No. of slots	Priporočen pretok zraka / Recommended air flow volume [m³/h]			
			Ø150 - Ø250	Ø280 - Ø315	Ø355 - Ø400	Ø450 - Ø900
SKR-20	500	1	38	38	38	38
		2	75	75	75	75
		3	113	113	113	113
		4	150	150	150	150
		6		225	225	225
		8			300	300
		10				375
	600	1	45	45	45	45
		2	90	90	90	90
		3	135	135	135	135
		4	180	180	180	180
		6		270	270	270
		8			360	360
		10				450
	800	1	60	60	60	60
		2	120	120	120	120
		3	180	180	180	180
		4	240	240	240	240
		6		360	360	360
		8			480	480
		10				600

Priporočen pretok zraka je 75 m³/h na meter aktivne dolžine reže. $V_{ef}=2,5$ m/s

The recommended air flow rate is 75 m³/h per metre of active slot length. $V_{ef}=2,5$ m/s

	L reže L of slot	Število rež No. of slots	Priporočen pretok zraka / Recommended air flow volume [m³/h]			
			Ø150 - Ø200	Ø250 - Ø355	Ø400 - Ø450	Ø450 - Ø900
SKR-40	500	1	75	75	75	75
		2	150	150	150	150
		3		225	225	225
		4		300	300	300
		6			450	450
		8				600
	600	1	90	90	90	90
		2	180	180	180	180
		3		270	270	270
		4		360	360	360
		6			540	540
		8				720
	800	1	120	120	120	120
		2	240	240	240	240
		3		360	360	360
		4		480	480	480
		6			720	720
		8				960

Priporočen pretok zraka je 150 m³/h na meter aktivne dolžine reže. Vef=2,5 m/s

The recommended air flow rate is 150 m³/h per metre of active slot length. Vef=2,5 m/s

NAČIN NAROČANJA / HOW TO ORDER:

SKR-20	315	/	2	REGULATOR	ZN	RAL 9010
						barva / colour standard RAL 9010 optional
						material: standard ZN opcija / optional AL, INOX
						dodatki / supplements: regulator pretoka zraka / air volume regulator
						število rež / number of slots
						dimenzija cevi / tube dimension
tip / type SKR-20 SKR-40						



SD

STOLPNI DIFUZOR AIR DISPLACEMENT UNITS

OPIS:

Stolpni difuzor omogoča dovod velikih količin zraka pri majhnih vpihovalnih hitrostih, zato je namenjen prezračevanju velikih prostorov, dvoran in industrijskih hal. Vgrajeni filtri zagotavljajo čist in enakomerno porazdeljen zrak v prostoru, brez prepiha.

KONSTRUKCIJA:

- perforirana frontalna plata
- ohišje
- okrogla priključna odprtina
- perforirane razpršilne pločevine v notranjosti

DODATKI in OPCIJE:

- filter na obodu
- regulacijska loputa
- pravokotna priključna odprtina
- prirobnice na pravokotni priključni odprtini
- 3-stranski dovod zraka pri pravokotni obliki
- dekorativni raztegljivi pokrov

MATERIAL: pocinkana pločevina (opcija INOX)

BARVA: bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici.

DESCRIPTION:

The air displacement diffuser supplies a large amount of air at low velocity and is intended for ventilating large areas, auditoriums and industrial halls. Its filters assure clean air and evenly distribute the air throughout the area without draughts.

CONSTRUCTION:

- perforated front panel
- casing
- round connection opening
- perforated internal dispersion plates

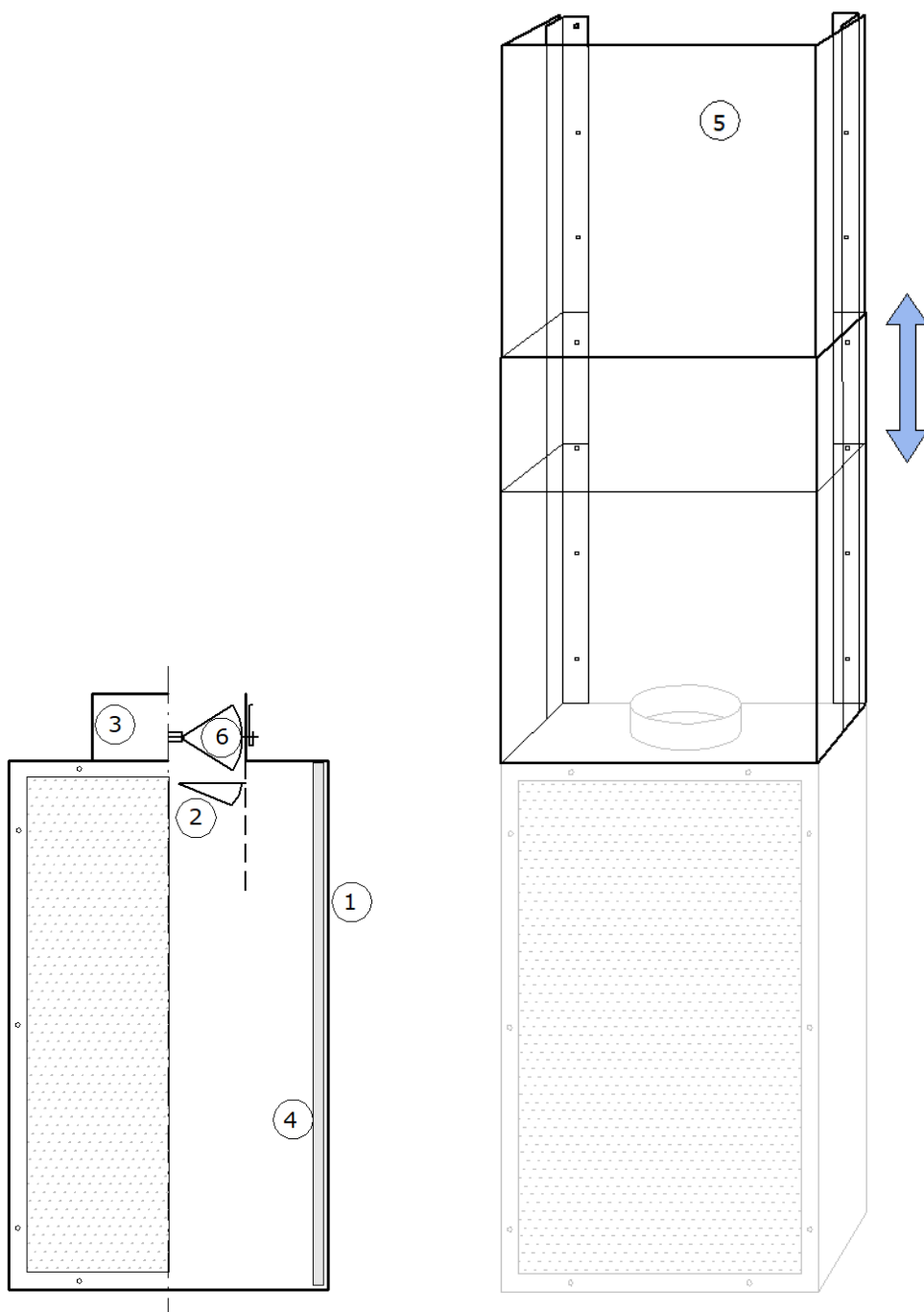
ACCESSORIES and OPTIONS:

- filter on the circumference
- volume control damper
- rectangular connection opening
- flanges on rectangular connection opening
- 3-way air inlet on rectangular units
- decorative extendable cover

MATERIAL: galvanized sheet metal (option INOX)

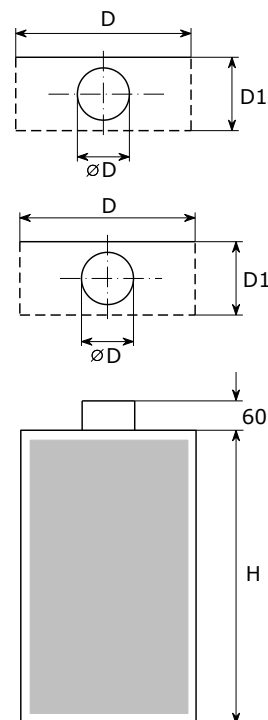
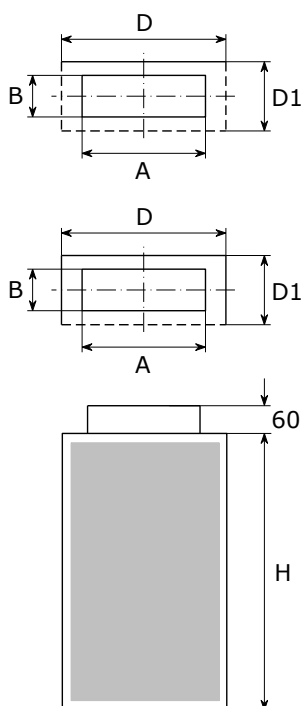
FINISH: RAL 9010 MAT white, or any colour from the RAL palette

1. perforirani zunanji plašč / perforated external casing
2. razpršilna pločevina / dispersion plate
3. priključna odprtina / connection opening
4. filter na zunanjem obodu / filter on the circumference
5. dekorativni pokrov / decorative cover
6. loputa / damper



DIMENZIJE IN TIPI/ DIMENSIONS AND TYPES:

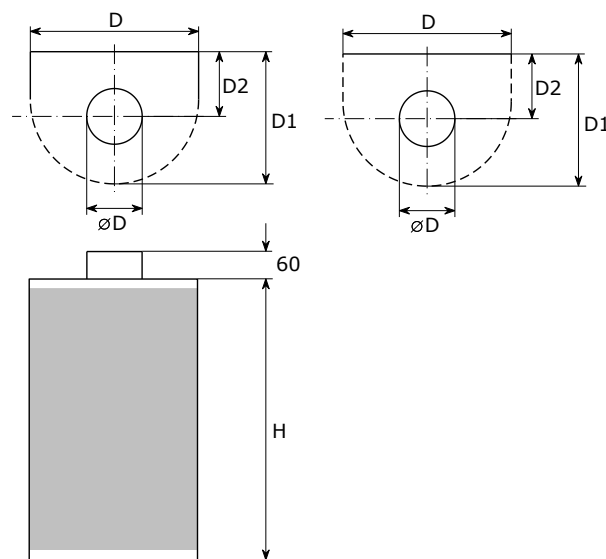
PRAVOKOTNI / RECTANGULAR

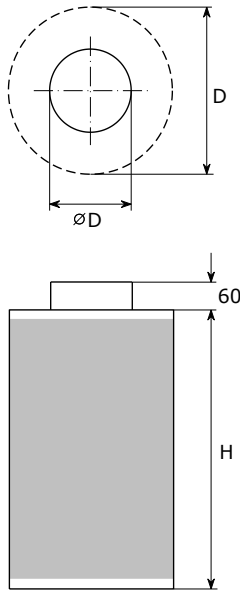
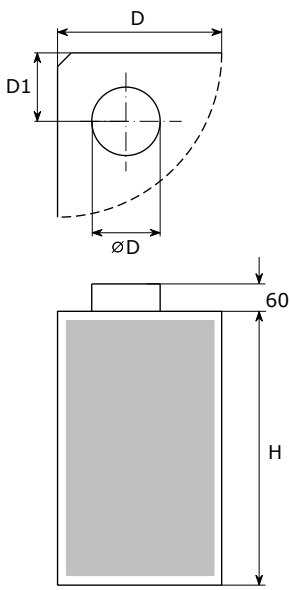


D	D1	A x B	H	D	D1	Ø D	H
400	300-350	100-200x80-250	300 - 2500	400	260-300	158-198	300 - 2500
600	350-550	150-400x100-450		600	260-415	158-313	
800	400-700	200-600x100-600		800	260-500	158-398	
1000	500-800	250-800x100-700		1000	300-600	198-498	
1500	600-900	350-1300x250-800		1500	350-730	248-628	
2000	600-900	500-1800x250-800		2000	415-900	313-798	

POLKROŽNI / SEMICIRCULAR

D	D1	D2	Ø D	H
400	230-280	95-130	123-198	300 - 2500
600	330-530	130-230	198-398	
800	430-655	155-280	248-498	
1000	530-815	205-345	348-628	
1500	780-815	205-345	348-628	
2000	1030	205-345	348-628	



OKROGLI / ROUND			VOGALNI / CORNER			
						
D	ØD	H	D	D1	Ø D	H
200	123-158	300 - 2500	400	150	123-198	300 - 2500
300	158-248		600	250	198-398	
400	158-313		800	350	248-628	
500	198-398		1000	450	313-708	
600	198-498		1200	550	313-708	
700	248-628		1500	700	348-708	
800	248-628		2000	950	348-708	

HITRA IZBIRA Z IZBORNIM PRORAMOM / FAST SELECTION WITH SELECTION TOOL: <https://izdelki.kosanc.si/>

Izbira velikosti okroglega priključa: maksimalni pretok na izbranem priključku ØD je izračunan pri maksimalni hitrosti v priključku $V=6$ m/s. Priporočena optimalna hitrost na izbranem priključku je 3-4 m/s. Priporočena optimalna hitrost na frontalni perforaciji je 0,8-1,5 m/s, maksimalna hitrost na frontalni perforaciji je 2 m/s.

Selecting the size of the circular connection: the maximum flow rate at the selected connection ØD is calculated with a maximum velocity in the connection of $V=6$ m/s. The recommended optimum velocity at the selected connection is 3-4 m/s. The recommended optimum velocity at the frontal perforation is 0,8-1,5 m/s, the maximum velocity at the frontal perforation is 2 m/s.

ØD	Q max (m ³ /h)	Q optimal (m ³ /h)
123	260	125-170
158	430	210-290
198	670	340-450
248	1050	530-700
313	1670	850-1130
348	2060	1030-1400
398	2700	1350-1800
498	4200	2100-2800
628	6700	3350-4450

NAČIN NAROČANJA / HOW TO ORDER:

SD	OKROGLI	1000	/	2000	Ø 398	RAL 9010	F
							dodatki / supplements F - filter na obodu / filter on circumference L - loputa / damper DEKOR - dekorativni pokrov H=... decorative cover H=... LD - gumijasto tesnilo na okroglem priklopu rubber seal on round connection opening barva / colour standard RAL 9010 priključek / connection opening standarden ali poljuben / standard or optional višina difuzorja / height of the diffuser poljubna / optional dimenzija difuzorja / diffuser dimension standard 400, 600, 800, 1000, 1500, 2000 poljubno / optional oblika / shape okrogli / round pravokotni / rectangular polkrožni / semicircular voglalni / corner tip difuzorja / diffuser type



PPV-2

STOLPNI DIFUZOR AIR DISPLACEMENT UNIT

OPIS:

Stolpni difuzor PPV-2 omogoča dovod velikih količin zraka, zato je namenjen prezračevanju velikih prostorov kot so industrijske hale, velike trgovine, športne dvorane itd.

Zaprta loputa pri hlajenju omogoča, da se vpihani zrak dovaja v prostor horizontalno, visoko nad bivanjskim območjem in se nato počasi spusti navzdol. S tem se ustvari bazen svežega zraka nad celotno talno površino. V načinu ogrevanja je loputa odprta. Zrak se odvaja navpično navzdol.

KONSTRUKCIJA:

- okrogla priključna odprtina
- perforirani plašč
- ON/OFF loputa

TIP DIFUZORJA GLEDE NA NAČIN POGONA:

- PPV-2C - ročna nastavitev z ročico
- PPV-2E - pripravljen za montažo elektromotornega pogona. Na željo kupca se elektromotor tudi namesti na ohišje difuzorja.

DODATKI:

- Nosilci za montažo ob steno
- Veržica nameščena na ročico za lažjo nastavitev kota lopute
- Elektromotor:
 - LM230A
 - LM24A

MATERIAL:

- pocinkana pločevina
- nerjaveča pločevina INOX AISI 304
- nerjaveča pločevina INOX AISI 316

BARVA:

bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

DESCRIPTION:

The PPV-2 air displacement diffuser supplies a large amount of air and is intended for ventilating large areas such as industrial premises, large shops, sports halls, etc.

In cooling mode, a closed damper enables the supply air to be dispersed horizontally into the space high above the occupied area and then slowly sink downwards. This creates a pool of fresh air over the entire floor area.

In heating mode, the damper is open. The air is vented vertically downwards.

CONSTRUCTION:

- round connection opening
- perforated external casing
- ON/OFF damper

TYPE OF DIFFUSER ACCORDING TO DRIVE MODE:

- PPV-2C - manual adjustment with handle
- PPV-2E - ready for electric drive. Upon request the electric motor drive can be added on the diffuser.

SUPPLEMENTS:

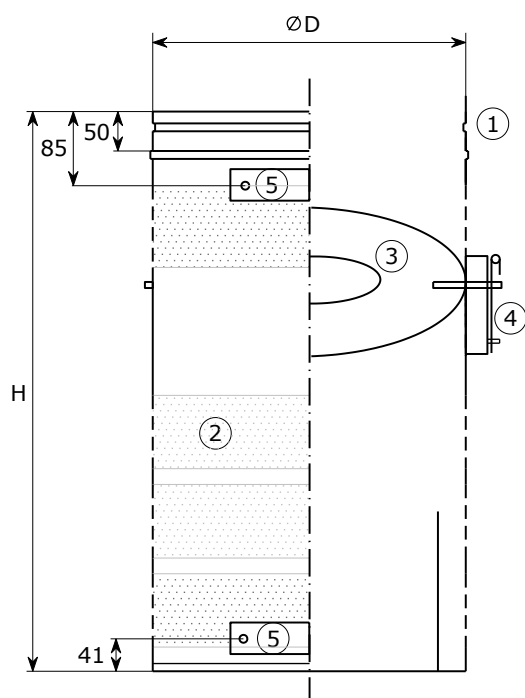
- Mounting brackets for installation on wall
- A chain attached to the handle for easier damper adjustment
- Electromotor drive:
 - LM230A
 - LM24A

MATERIAL:

- galvanized sheet metal
- INOX AISI 304 sheet metal
- INOX AISI 316 sheet metal

POWDER COATING:

RAL 9010 MAT white, or any colour from the RAL palette



1. priključek
spigot
2. perforirani zunanji plašč
perforated external casing
3. loputa
damper
4. ročica ali elektromotorni pogon
handle or electromotor drive
5. nosilci za montažo
mounting brackets

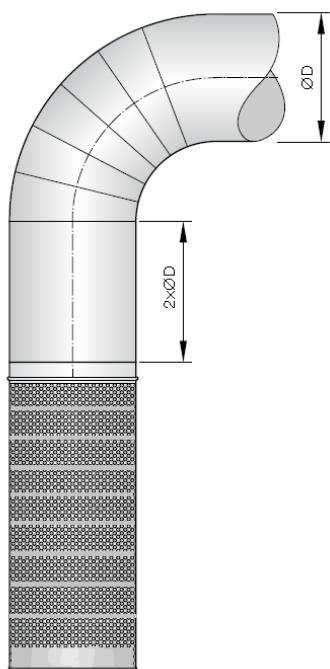
DIMENZIJE / DIMENSIONS:

DIM	Ø D	H	Q (m ² /h)
250	248	450	700-1400
315	313	570	1100-2200
355	353	690	1400-2800
400	398	710	1800-3600
450	448	830	2300-4500
500	498	860	2800-5600
560	548	900	3500-7000
630	628	1040	4500-8900
710	708	1170	5700-11300
800	798	1310	7200-14400

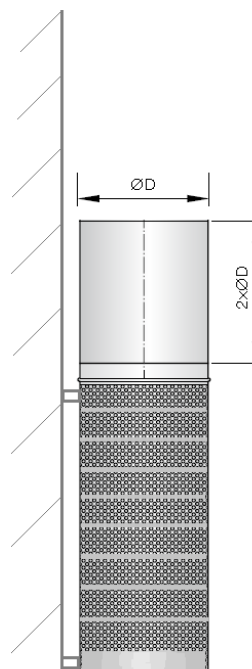
Na zahtevo kupca izdelamo nestandardno dimenzijo.
Other dimensions are available at customer request.

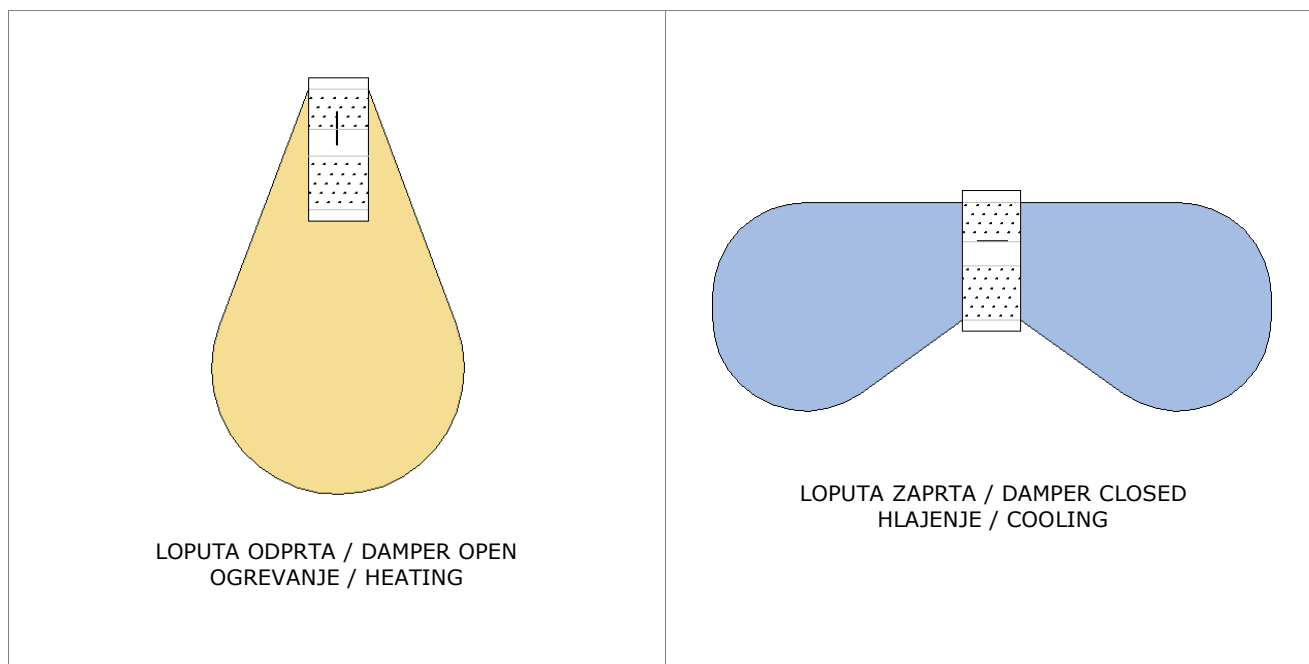
MONTAŽA / INSTALLATION:

Prosto viseč / free hanging



Z nosilci pritrjen na steno ali steber /
Fixed to wall or pillar with brackets.



SMER ZRAČNEGA CURKA / DIRECTION OF AIR FLOW:**HITRA IZBIRA / FAST SELECTION:**

DIM	H	Q (m ³ /h)		Loputa Damper O – odprto open Z – zaprto closed	Domet zraka (m) Air jet range (m)		V (m/s)		Pa	dB
					Horizontalni (r) horizontal (r)	vertikalni vertical	priklop spigot	perforacija perforation		
250	450	min	700	O	0,4	5,6	4	3,7	8	23
				Z	1,9	0,4				
		max	1400	O	0,7	13,8	8	7,4	25	34
				Z	3,8	0,7				
315	570	min	1100	O	0,4	5,2	4	3,5	7	22
				Z	1,8	0,3				
		max	2200	O	0,8	12,8	8	6,9	22	33
				Z	3,7	0,7				
355	690	min	1400	O	0,4	4,6	4	3,1	6	21
				Z	1,7	0,3				
		max	2800	O	0,8	11,2	8	6,2	18	31
				Z	3,4	0,6				
400	710	min	1800	O	0,4	5,2	4	3,4	7	22
				Z	1,9	0,3				
		max	3600	O	0,9	12,6	8	6,7	21	32
				Z	3,7	0,7				
450	830	min	2300	O	0,5	4,9	4	3,1	6	21
				Z	1,8	0,3				
		max	4500	O	1,0	11,8	8	6,3	19	31
				Z	3,6	0,6				

DIM	H	Q (m ³ /h)		Loputa Damper O – odprto open Z – zaprto closed	Domet zraka (m) Air jet range (m)		V (m/s)		Pa	dB
					Horizontalni (r) horizontal (r)	vertikalni vertical	priklop spigot	perforacija perforation		
500	860	min	2800	O	0,5	5,4	4	3,3	7	22
				Z	2	0,3				
		max	5600	O	1,1	13	8	6,7	21	32
				Z	3,9	0,7				
560	900	min	3500	O	0,6	5,9	4	3,5	8	23
				Z	2,1	0,4				
		max	7000	O	1,3	14,2	8	7,1	23	33
				Z	4,2	0,7				
630	1040	min	4500	O	0,7	5,8	4	3,4	7	22
				Z	2,1	0,3				
		max	8900	O	1,4	13,8	8	6,8	21	32
				Z	4,3	0,7				
710	1170	min	5700	O	0,8	6,0	4	3,4	7	22
				Z	2,3	0,3				
		max	11300	O	1,7	14,3	8	6,8	21	32
				Z	4,5	0,7				
800	1310	min	7200	O	1	6,2	4	3,3	7	22
				Z	2,4	0,3				
		max	14400	O	2	14,7	8	6,7	21	32
				Z	4,8	0,7				

NAČIN NAROČANJA / HOW TO ORDER:

PPV-2	E	630	/	1040	ZN	RAL 9010 M	W / LD
							dodatki / supplements CH - verižica na ročici / chain on handle W - nosilci za stensko montažo / brackets for wall mounting LD - tesnilni obroč / rubber seal barva / colour brez barve / without colour RAL 9010 MAT poljubna / optional material / material ZN pocinkana pločevina / galvanized sheet metal INOX AISI 304 pločevina / INOX AISI 304 sheet metal INOX AISI 316 pločevina / INOX AISI 316 sheet metal višina / height dimenzija difuzorja / diffuser dimension standard 250, 315, 355, 400, 450, 500, 560, 630, 710, 800 poljubno / optional pogon / drive C – ročni / manual E – pripravljen za elektromotorni pogon / ready for electric actuator E + LM 230A – z montiranim elektromotornim pogonom / with electric actuator E + LM 24A – z montiranim elektromotornim pogonom / with electric actuator
tip difuzorja / type of diffuser							



IK

IZPIHOVALNA KOMORA OUTLET PLENUM BOX

OPIS:

Izpihovalna komora se uporablja za dovod ali odvod zraka iz prostorov pri centralnem prezračevanju stanovanjskih hiš.

KONSTRUKCIJA:

- 1, 2 ali 3 priključki dimenzije $\varnothing 78$ mm za prikllop PVC prezračevalnih cevi
- priključek dimenzije $\varnothing 100$ ali $\varnothing 125$ mm za prikllop dovodnega ali odvodnega prezračevalnega elementa

MATERIAL: pocinkana pločevina

MONTAŽA: v strop, steno ali tla

DESCRIPTION:

Plenum box is used for inlet or outlet of air from rooms with central ventilation system.

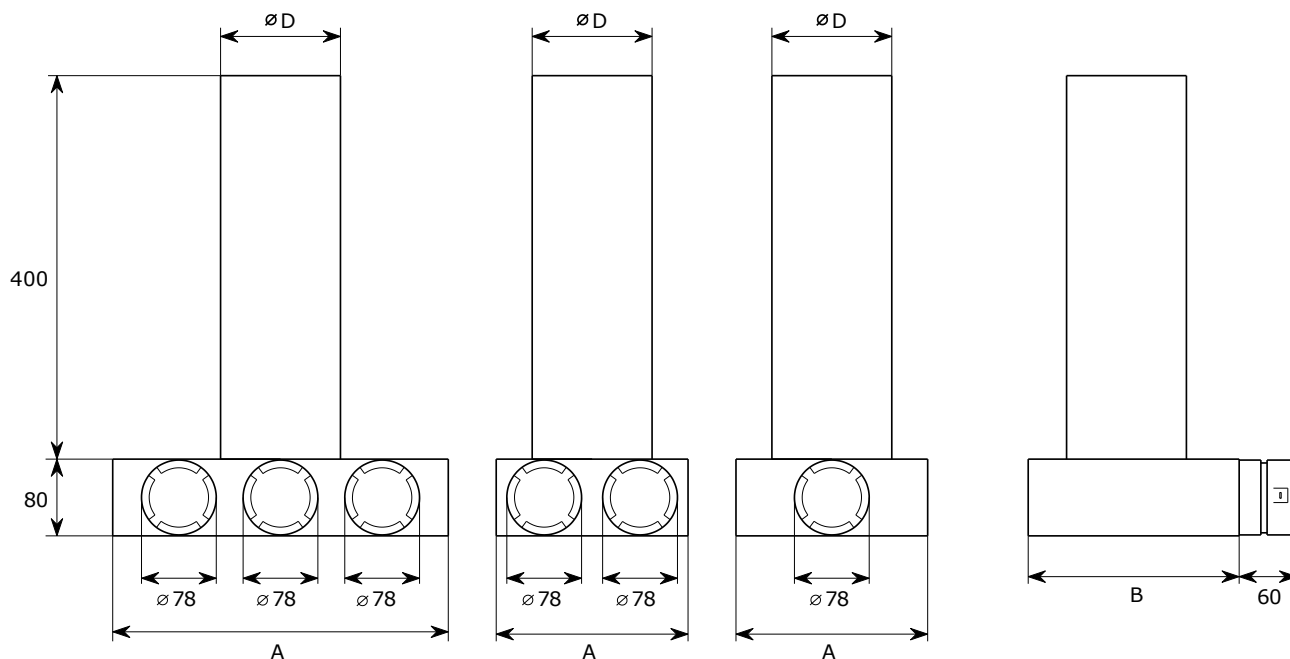
CONSTRUCTION:

- 1, 2 or 3 spigots dimension $\varnothing 78$ mm for attaching the PVC ventilation tubes
- spigot dimension $\varnothing 100$ or $\varnothing 125$ mm for attaching the inlet or outlet ventilation element

MATERIAL: galvanized sheet metal

INSTALATION: on the ceiling, wall or floor

DIMENZIJE / DIMENSIONS:



dim		D	A	B
100	1 x 80	98	200	210
	2 x 80		350	255
	3 x 80			
125	1 x 80	123	200	210
	2 x 80		350	255
	3 x 80			

NAČIN NAROČANJA / HOW TO ORDER:

IK	125	/	2x ø80
dimenzija / dimension ø100 /1x ø80 ø100 /2x ø80 ø100 /3x ø80 ø125 /1x ø80 ø125 /2x ø80 ø125 /3x ø80			
tip komore / plenum box type			



IRK

IZOLIRANA RAZDELILNA KOMORA INSULATED DISTRIBUTION BOX

OPIS:

Izolirana razdelilna komora se uporablja za dovod ali odvod zraka iz prostorov pri centralnem prezračevanju stanovanjskih hiš.

KONSTRUKCIJA:

- pravokotno ohišje
- stranice ohišja so znotraj izolirane s 50 mm izolacijo iz mineralne volne
- 8, 12 ali 16 priključkov dimenzije $\varnothing 78$ mm za priklop PVC prezračevalne cevi (na željo kupca se število priključkov lahko spremeni)
- priključek za priklop dovodnega ali odvodnega prezračevalnega elementa
- **IRK-G** - v komoro je na željo kupca vstavljena dušilna kulisa polnjena z mineralno volno.

MATERIAL: pocinkana pločevina

DODATKI:

- pokrovčki za neizkoriščene priključke

MONTAŽA: v steno ali strop

DESCRIPTION:

The insulated distribution plenum box is used for inlet or outlet of air from rooms with central ventilation system.

CONSTRUCTION:

- rectangular casing
- on the inner side the casing walls are insulated with 50 mm mineral wool.
- 8, 12 or 16 spigots dimension $\varnothing 78$ mm for attaching the PVC ventilation tubes (per customer's request, the number of connections can be changed)
- spigot for attaching the inlet or outlet ventilation element.
- **IRK-G** - on customer's request acoustic panel filled with mineral wool is put into the plenum box.

MATERIAL: galvanized sheet metal

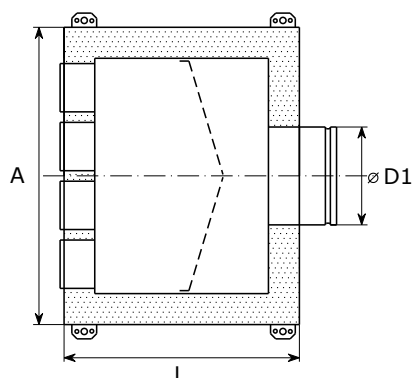
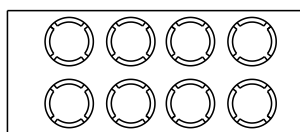
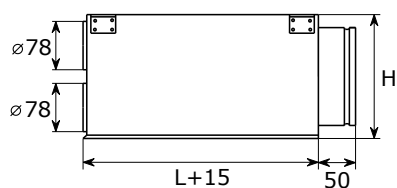
SUPPLEMENTS:

- caps for unused spigots

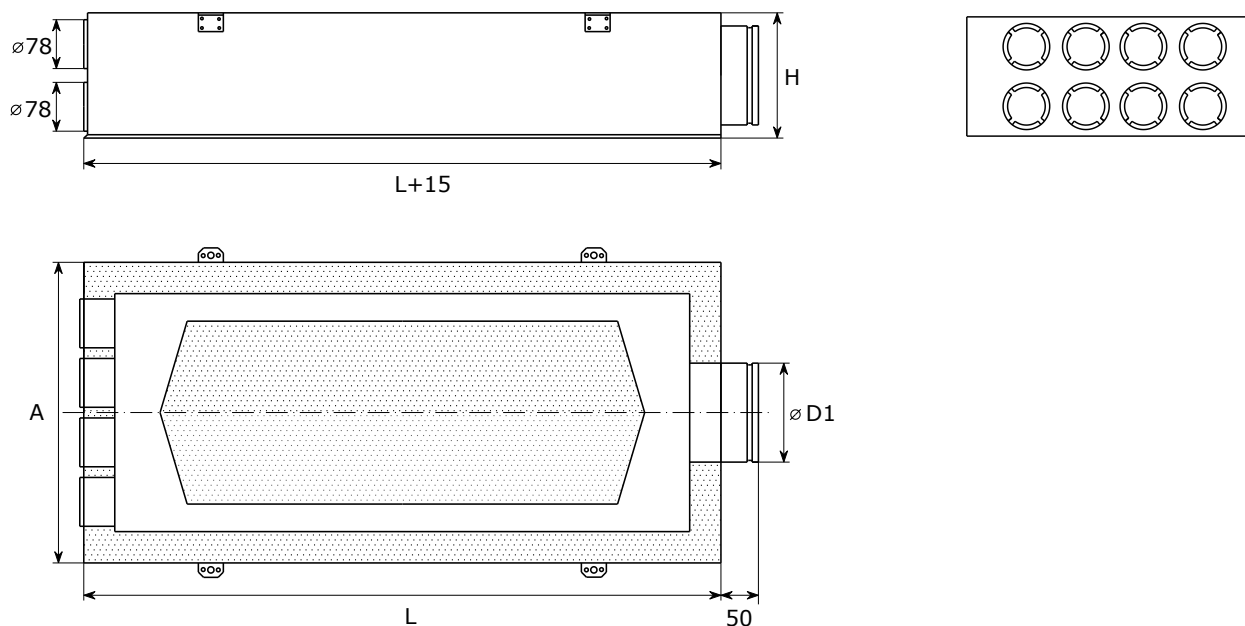
INSTALLATION: on the wall or on the ceiling

DIMENZIJE / DIMENSIONS:

IRK razdelilna komora / distribution plenum box



Št. priključkov No. of spigots	A	$\varnothing D1$	L	H
8	480	158	430	200
12	660			
16	840			

IRK-G razdelilna komora z dušilno kuliso / distribution plenum box with acoustic panel

Št. priključkov No. of spigots	A	ØD1	L	H
8	480	158	950	200
12	660			
16	840			

NAČIN NAROČANJA / HOW TO ORDER:

IRK-G	ø 158	/	12x ø78	
	dimenzija / dimension ø158 /8x ø78 ø158 /12x ø78 ø158 /16x ø78 poljubna / optional			dodatki /supplements pokrovčki /caps
tip komore / plenum box type IRK IRK-G				



PB-1

KOMORA ZA REŠETKO PLENUM BOX FOR GRILLE

OPIS:

Priključna komora PB-1 se uporablja kot dodatek prezračevalnim rešetkam.

KONSTRUKCIJA:

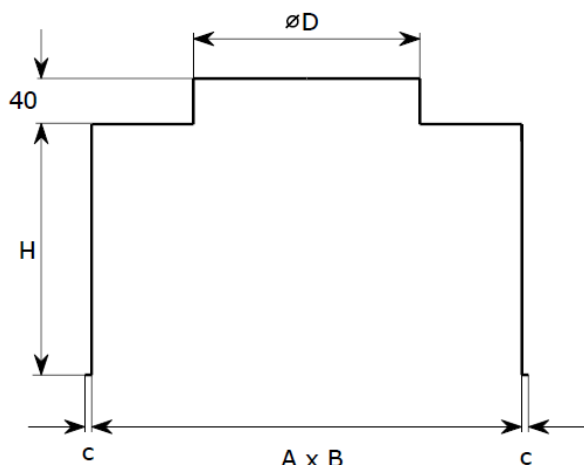
- pravokotno ohišje
- okrogla priključna odprtina na horizontalni ali vertikalni poziciji

MATERIAL: pocinkana pločevina

DODATKI: izolacija 6, 10, 13 ali 19 mm znotraj ali zunaj ohišja

DIMENZIJE / DIMENSIONS:

V - priključna odprtina na vertikalni poziciji
connection opening at vertical position



DESCRIPTION:

Plenum box PB-1 is used as supplement to ventilation grilles.

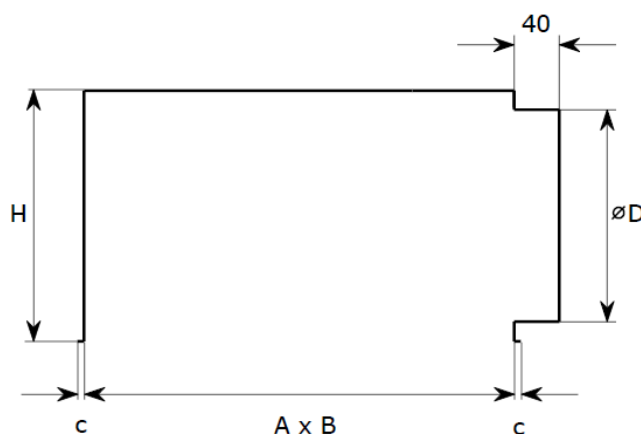
CONSTRUCTION:

- rectangular casing
- round connection opening at horizontal or vertical position

MATERIAL: galvanized sheet metal

SUPPLEMENTS: insulation 6, 10, 13 or 19 mm on the inner side or outside of the casing

H - priključna odprtina na horizontalni poziciji
connection opening at horizontal position



Vse dimenzije so poljubne. / All dimensions are optional.

NAČIN NAROČANJA / HOW TO ORDER:

PB-1	600 x 400 x 250	/	Ø198	V	ISO 6mm out
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dodatki / supplements

ISO in – izolacija znotraj / insulation inside 6, 10, 13, 19 mm

ISO out – izolacija zunaj / insulation outside 6, 10, 13, 19 mm

Pozicija priključka / connection position

HA – horizontalno na stranici A / horizontal on A side

HB – horizontalno na stranici B / horizontal on B side

V – vertikalno / vertical

priključek / connection opening

Ø D

dimenzija A x B x H/ dimension A x B x H

tip komore / plenum box type



PB-2

PRIKLJUČNA KOMORA ZA VRTINČNI DIFUZOR PLENUM BOX FOR SWIRL DIFFUSER

OPIS:

Priključna komora PB-2 se uporablja v kombinaciji z vrtinčnimi difuzorji tipa VD in PP.

KONSTRUKCIJA:

- kvadratno ali okroglo ohišje
- okrogla priključna odprtina na horizontalni ali vertikalni poziciji
- prečka za pritrditev difuzorja
- regulacijska loputka z ročico znotraj in zunaj
- dovodna komora ima perforirano razpršilno ploščo, odvodna je brez

MATERIAL: pocinkana pločevina

DODATKI: izolacija 6, 10, 13 ali 19 mm znotraj ali zunaj ohišja

DESCRIPTION:

Plenum box PB-2 is used as supplement to swirl diffusers type VD and PP.

CONSTRUCTION:

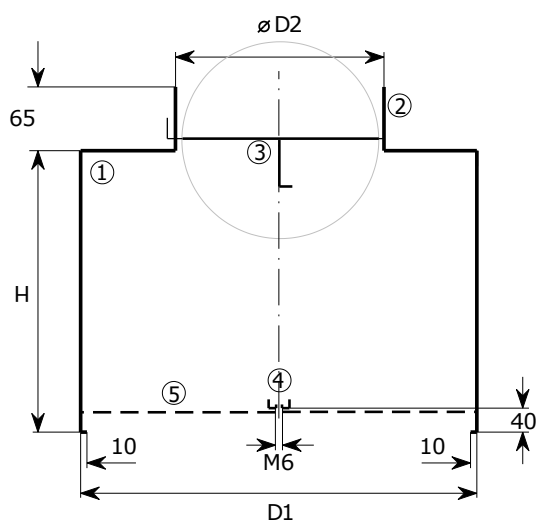
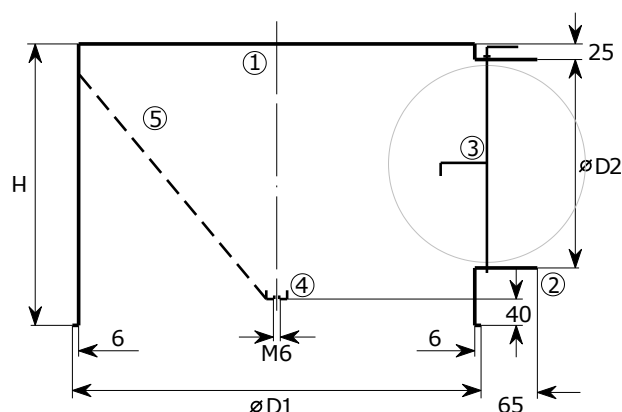
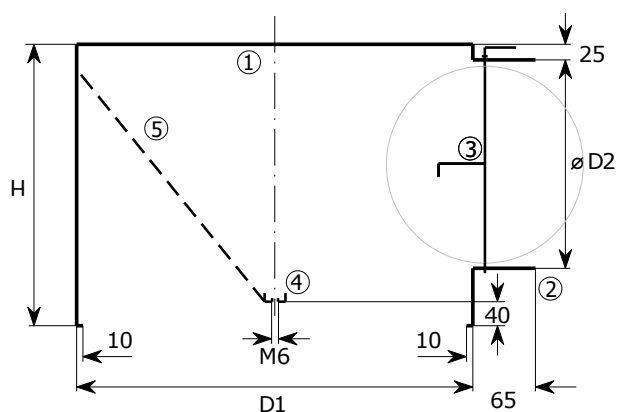
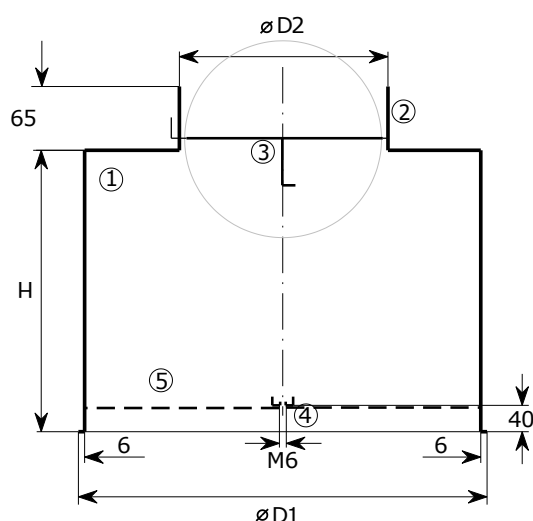
- round or square casing
- round connection opening at horizontal or vertical position
- traverse for mounting the diffuser
- regulation damper with handle inside and outside
- perforated dispersing plate only on supply plenum

MATERIAL: galvanized sheet metal

SUPPLEMENTS: insulation 6, 10, 13 or 19 mm on the inner side or outside of the casing

DIMENZIJE / DIMENSIONS:

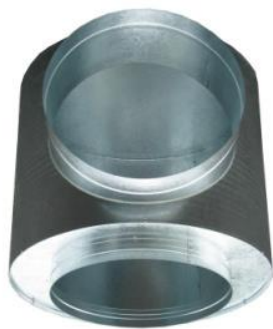
	D1	H		Ø D2	
300	291	230	270	158	198
400	391	230	270	158	198
500	491	270	320	198	248
600	591	270	320	198	248
800	791	385	420	313	348

PB-2K kvadratna / square**PB-2R** okrogla / round

1. ohišje / casing
2. priključna odprtina / air connection opening
3. loputa / damper
4. prečka / traverse
5. perforirana razpršilna plošča / perforated dispersing plate

NAČIN NAROČANJA / HOW TO ORDER:

PB-2	R	600	/	198	H	PP, ISO 6mm
						dodatki / supplements ISO - izolacija / insulation 6 mm, 10 mm, 13 mm, 19 mm PP - perforirana razpršilna plošča / perforated dispersing plate LD - gumijasto tesnilo / rubber seal pozicija priključka / connection position H - horizontalen / horizontal V - vertikalni / vertical priključek / connection opening standard poljuben / optional dimenzija / dimension 300, 400, 500, 600, 800 oblika komore / plenum box shape R - okrogla / round K - kvadratna / square tip komore / plenum box type



PB-3

PRIKLJUČNA KOMORA ZA VARIABILNI VRTINČNI DIFUZOR PLENUM BOX FOR VARIABLE SWIRL DIFFUSER

OPIS:

Priključna komora PB-3 se uporablja v kombinaciji z variabilnimi vrtninčnimi difuzorji tipa VSD-1, VSD-2, TWIST AIR in ED.

KONSTRUKCIJA: komora je valjaste oblike z okroglo priključno odprtino na vertikalni ali horizontalni poziciji in obešali za pritrditev pod strop.

MATERIAL:

- pocinkana pločevina
- nerjaveča pločevina INOX AISI 304

DODATKI:

Na zahtevo kupca se komori lahko dodajo:

1. prečka z M6 matico za pritrditev difuzorja
2. perforirana razpršilna plošča
3. loputa z zunanjo in notranjo ročico
4. tesnilni obroč na priključku
5. izolacija 6, 10, 13 ali 19 mm na zunanji strani ohišja
6. izolacija 6, 10, 13 ali 19 mm na notranji strani ohišja

DESCRIPTION:

Plenum box PB-3 is used as supplement to variable swirl diffusers VSD-1, VSD-2, TWIST AIR, and ED.

CONSTRUCTION: PB3 consists of a round casing with a round connection opening at horizontal or vertical positions and hangers for montage under the ceiling.

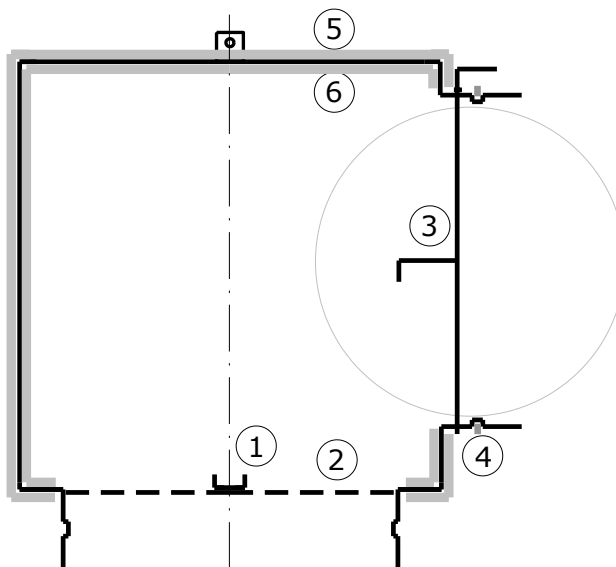
MATERIAL:

- galvanized sheet metal
- stainless steel sheet metal INOX AISI 304

SUPPLEMENTS:

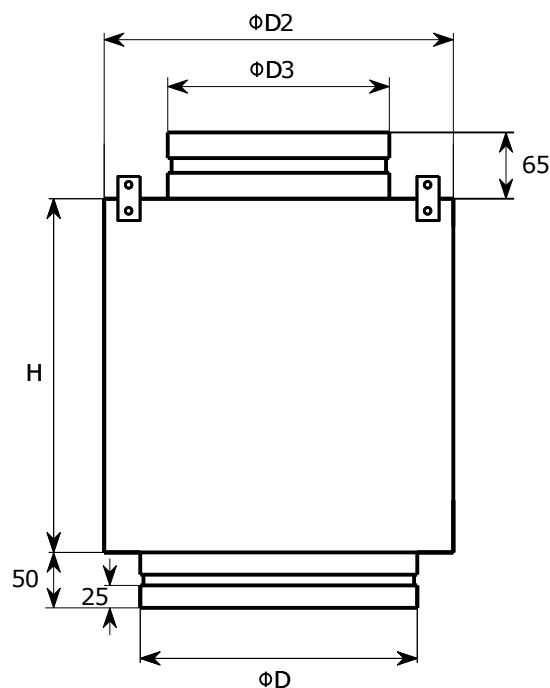
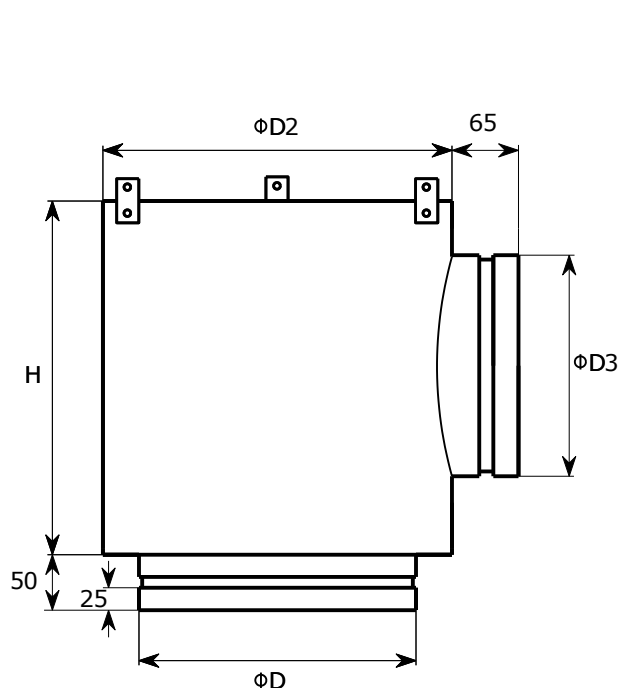
Per customer's request, the following can be added:

1. traverse for mounting the diffuser
2. perforated dispersing plate
3. damper with handle inside and outside
4. sealing ring on the connection opening
5. ISO - insulation 6, 10, 13 or 19 mm on the outside or on the inside of the casing
6. ISO - insulation 6, 10, 13 or 19 mm on the outside or on the inside of the casing



DIMENZIJE / DIMENSIONS:

	100	125	160	180	200	250	315	355	400	500	630
øD	100	125	160	180	200	250	315	355	400	500	630
øD3	98	98	123	158	158	198	248	313	313	398	498
øD2	200	225	260	280	300	350	415	455	500	630	800
H	170	170	195	230	230	270	320	385	385	470	570



NAČIN NAROČANJA / HOW TO ORDER:

PB-3	315	/	ø248	S	ISO 6mm
					dodatki / supplements PR - prečka / traverse L - loputa / damper PP - perforacija / perforated plate ISO - izolacija / insulation 6 mm, 10 mm, 13 mm, 19 mm LD - gumijasto tesnilo / rubber seal pozicija priključka / connection position S - horizontalen / horizontal V - vertikalni / vertical priključek øD1 / connection opening øD1 standard poljuben / optional dimenzija komore / plenum dimension standard 100, 125, 160, 180, 200, 250, 315, 355, 400, 500, 630 poljuben / optional tip komore / plenum box type



PB-4

PRIKLJUČNA KOMORA ZA VARIABILNI VRTINČNI DIFUZOR PLENUM BOX FOR VARIABLE SWIRL DIFFUSER

OPIS:

Priključna komora PB-4 se uporablja v kombinaciji z difuzorji tipa ED in VSD-1. Komora je ozke in visoke oblike zato je primerna za vgradnjo v objekte z visokimi stropi.

KONSTRUKCIJA: Komora je valjaste oblike z okroglo priključno odprtino na vertikalni ali horizontalni poziciji in obešali za pritrditev komore pod strop.

MATERIAL:

- pocinkana pločevina
- nerjaveča pločevina INOX AISI 304

DODATKI:

Na zahtevo kupca se komori lahko dodajo:

1. prečka z M6 matico za pritrditev difuzorja
2. perforirana razpršilna plošča
3. loputa z zunanjo in notranjo ročico
4. tesnilni obroč na priključku
5. izolacija 6, 10, 13 ali 19 mm na zunanji strani ohišja
6. izolacija 6, 10, 13 ali 19 mm na notranji strani ohišja

DESCRIPTION:

Plenum box PB-4 is used as supplement to variable swirl diffusers VSD-1 and diffuser ED. It is suitable for high ceilings.

CONSTRUCTION: The plenum box consists of a round casing, a round connection opening at horizontal or vertical positions and hangers for montage under the ceiling.

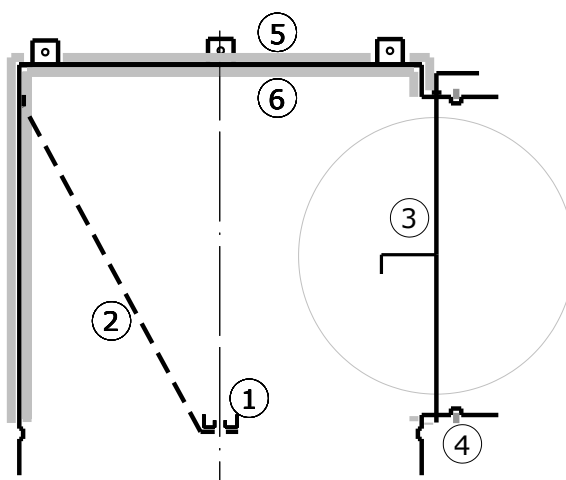
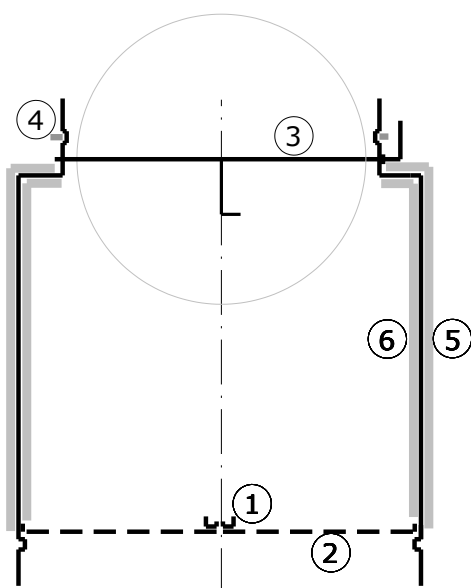
MATERIAL:

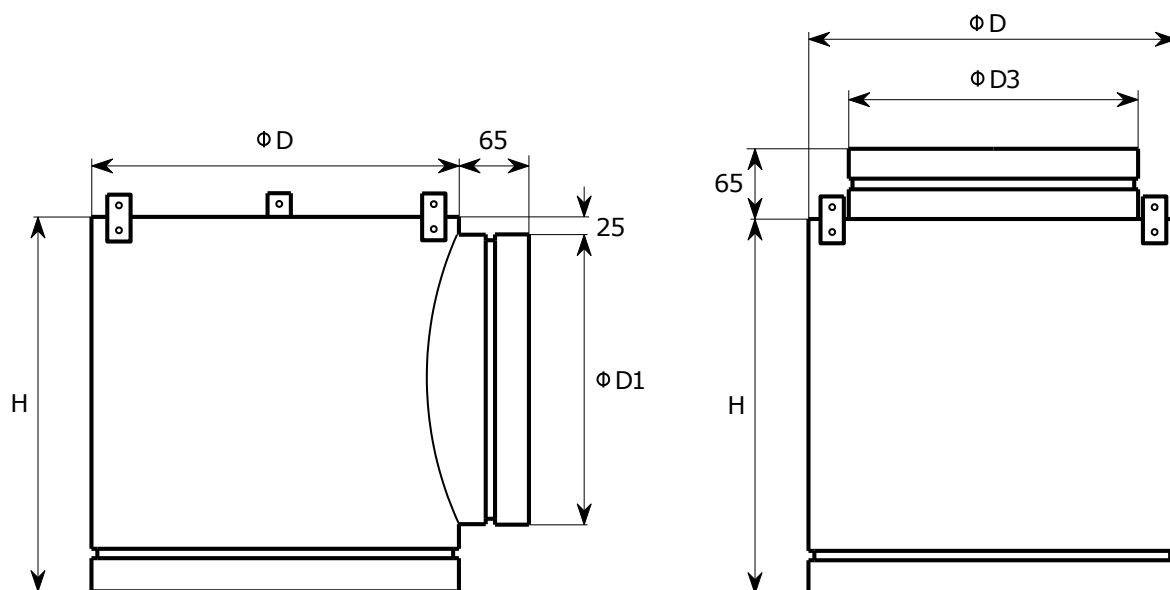
- galvanized sheet metal
- stainless steel sheet metal INOX AISI 304

SUPPLEMENTS:

Per customer's request, the following can be added:

1. traverse for mounting the diffuser
2. perforated dispersing plate
3. damper with handle inside and outside
4. sealing ring on the connection opening
5. insulation 6, 10, 13 or 19 mm on the outside of the casing
6. insulation 6, 10, 13 or 19 mm on the inside of the casing



DIMENZIJE / DIMENSIONS:

	øD	øD1		H	
125	125	98		208	
160	160	123	158	223	258
180	180	158		258	
200	200	158	198	258	298
250	250	198	248	298	348
315	315	248	313	348	413
355	355	313		413	
400	400	313	398	413	498
500	500	398		498	

NAČIN NAROČANJA / HOW TO ORDER:

PB-4	ø250	/	ø198	H	ISO 6mm
					dodatki / supplements PR - prečka / traverse L - loputka / damper PP - perforacija / perforated plate ISO - izolacija / insulation 6 mm, 10 mm, 13 mm, 19 mm LD - gumijasto tesnilo / rubber seal pozicija priključka / connection position H - horizontalen / horizontal V - vertikalni / vertical priključek / connection opening standard poljuben / optional dimenzija / dimension 125, 160, 180, 200, 250, 315, 355, 400, 500 tip komore / plenum box type



PB-LD1

KOMORA ZA LINIJSKI DIFUZOR PLENUM BOX FOR SLOT DIFFUSER

OPIS:

Priključna komora PB-LD1 se uporablja kot dodatek linijskim difuzorjem.

KONSTRUKCIJA:

- pravokotno ohišje
- prečka ali profil za fiksiranje prečke
- okrogle priključne odprtine z enostavno loputko

MATERIAL: pocinkana pločevina

DODATKI: izolacija 6, 10, 13 ali 19 mm znotraj ali zunaj ohišja

DESCRIPTION:

Plenum box PB-LD1 is used as supplement to slot diffusers.

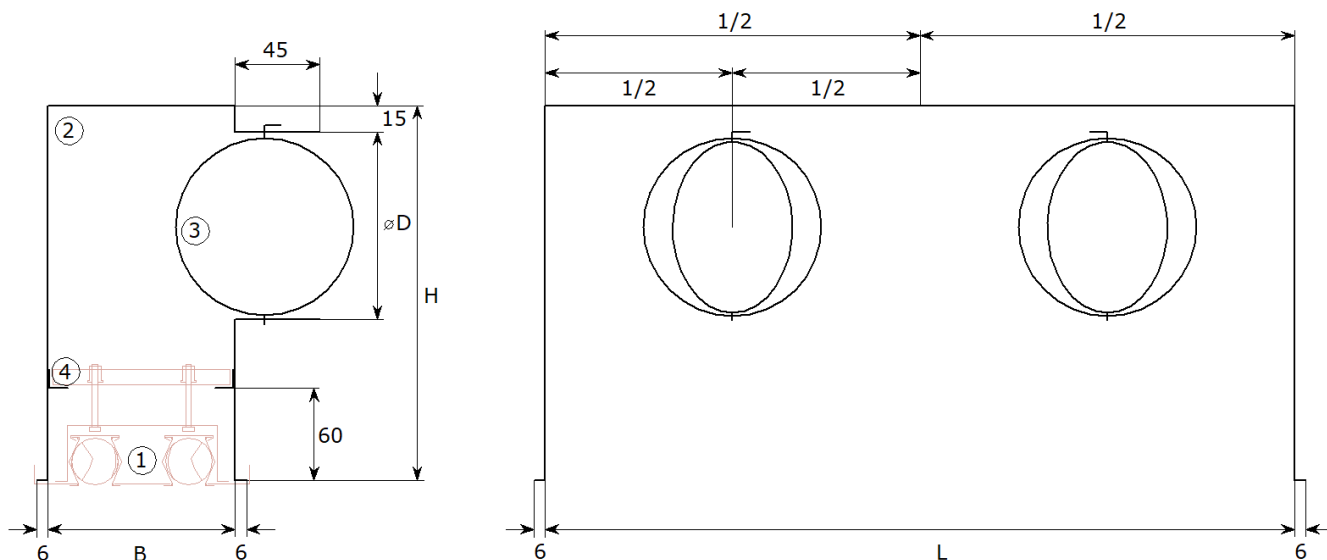
CONSTRUCTION:

- rectangular casing
- traverse or profile for fixing the traverse
- round connection openings with simple damper

MATERIAL: galvanized sheet metal

SUPPLEMENTS: insulation 6, 10, 13 or 19 mm on the inner side or outside of the casing

DIMENZIJE / DIMENSIONS:



- 1 – linijski difuzor / slot diffuser
 2 – komora / plenum box
 3 – loputa / damper
 4 – profil za fiksiranje prečke / profile for fixing the traverse

Dimenzije B in L so poljubne. Minimalna višina komore je $H=D+80\text{mm}$. / Dimensions B and L are optional. Minimum height of the plenum box is $H=D+80\text{mm}$.

NAČIN NAROČANJA / HOW TO ORDER:

PB-LD1	1015 x 77	/	2x Ø198	H=280	ISO 6mm out
					dodatki / supplements ISO in – izolacija znotraj / insulation inside 6, 10, 13, 19 mm ISO out - izolacija zunaj / insulation outside 6, 10, 13, 19 mm višina komore / plenum box height minimum H= Ø D+80 poljubno / optional število in dimenzija priključkov / number and dimension of connections openings Ø D dimenzija B x L / dimension B x L tip komore / plenum box type



PB-LD2

KOMORA ZA LINIJSKI DIFUZOR PLENUM BOX FOR SLOT DIFFUSER

OPIS:

Priključna komora PB-LD2 se uporablja kot dodatek linijskim difuzorjem.

KONSTRUKCIJA:

- pravokotno reducirano ohišje
- okrogle priključne odprtine z enostavno loputko

MATERIAL: pocinkana pločevina

DODATKI: izolacija 6, 10, 13 ali 19 mm znotraj ali zunaj ohišja

DESCRIPTION:

Plenum box PB-LD2 is used as supplement to slot diffusers.

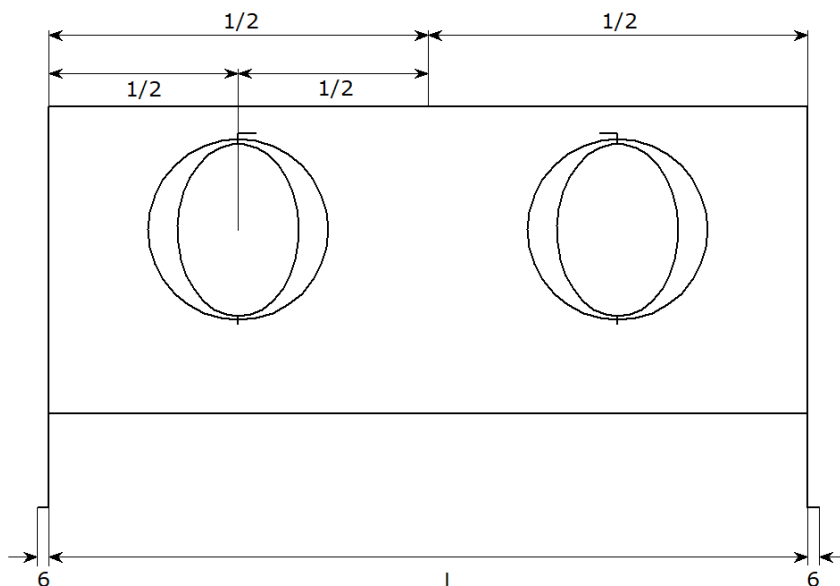
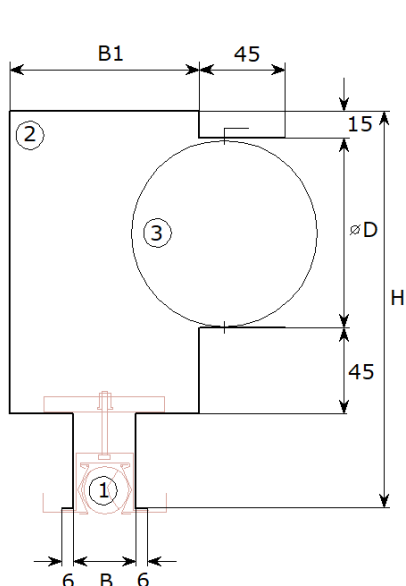
CONSTRUCTION:

- rectangular reduced casing
- round connection openings with simple damper

MATERIAL: galvanized sheet metal

SUPPLEMENTS: insulation 6, 10, 13 or 19 mm on the inner side or outside of the casing

DIMENZIJE / DIMENSIONS:



- 1 – linijski difuzor / slot diffuser
2 – komora / plenum box
3 – loputa / damper

Dimenzije B, B1, H in L so poljubne. / Dimensions B, B1, H and L are optional.

NAČIN NAROČANJA / HOW TO ORDER:

PB-LD2	1015 x 77	/	2x Ø198	H=320	ISO 6mm out
					dodatki / supplements ISO in – izolacija znotraj / insulation inside 6, 10, 13, 19 mm ISO out - izolacija zunaj / insulation outside 6, 10, 13, 19 mm višina komore / plenum box height poljubno / optional število in dimenzija priključkov / number and dimension of connections openings Ø D dimenzija B x L / dimension B x L tip komore / plenum box type



RK

RAZDELILNA KOMORA DISTRIBUTION PLENUM BOX

OPIS:

Priključna komora RK se uporablja za porazdelitev zraka po prezračevalnem sistemu.

KONSTRUKCIJA:

- pravokotno ohišje – ravno ali reducirano
- okrogle priključne odprtine

MATERIAL: pocinkana pločevina

DODATKI: proti kondenzacijska izolacija 6, 10, 13 ali 19 mm znotraj ali zunaj ohišja

DESCRIPTION:

Plenum box RK is used to distribute the air through the ventilation system.

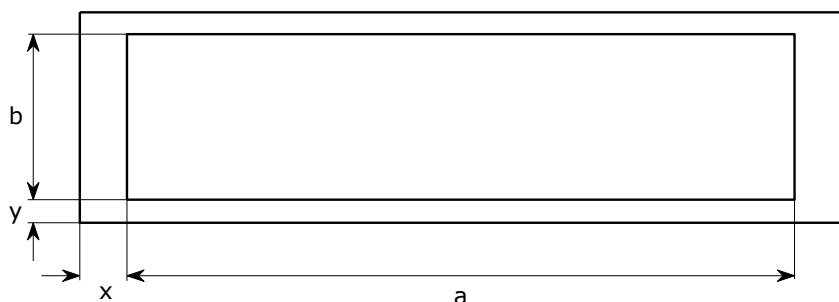
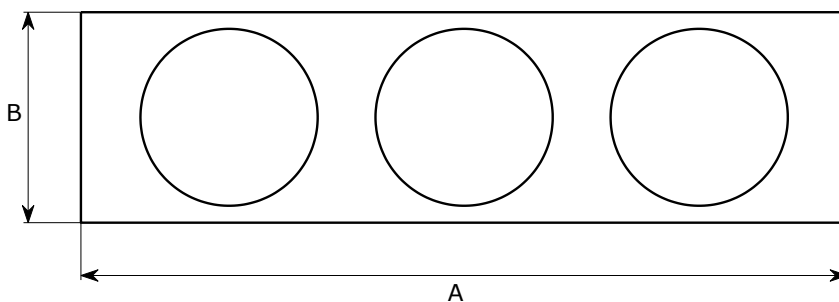
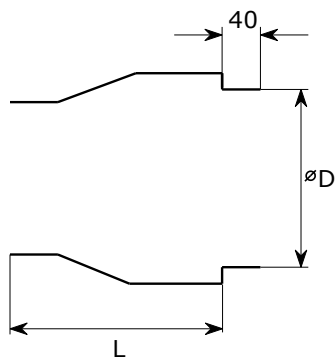
CONSTRUCTION:

- rectangular casing - flat or reduced
- round connection opening

MATERIAL: galvanized sheet metal

SUPPLEMENTS: anti-condensation insulation 6, 10, 13 or 19 mm on the inner side or outside of the casing

DIMENZIJE / DIMENSIONS:



Vse dimenzije so poljubne / All dimensions are optional.

NAČIN NAROČANJA / HOW TO ORDER:

RK	650 x 250	/	500x200 / 3x Ø198	L=300	x=50, y=25	ISO 6mm out
						dodatki / supplements ISO in – izolacija znotraj / insulation inside 6, 10, 13, 19 mm ISO out - izolacija zunaj / insulation outside 6, 10, 13, 19 mm
						dimenzija / dimension x, y dimenzija / dimension L
						priključki / connection openings a x b / ØD
						dimenzija / dimension A x B
						tip komore / plenum box type



LM-2

LOVILEC MAŠČOB GREASE TRAP

OPIS:

Lovilec maščob uporabljamo pri odvodu zraka iz kuhinj in prostorov, kjer se v zraku nahaja veliko mastne pare. Z vgrajenim maščobnim filtrom zmanjšamo onesnaževanje zračnih kanalov in ventilatorjev.

KONSTRUKCIJA:

- nosilni okvir
- maščobni filter iz ekspanzirane aluminijaste mreže
- lovilna kad

MATERIAL: pocinkana pločevina ali na željo kupca nerjaveča pločevina

BARVA: bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

MONTAŽA:

- z vijaki direktno na kanal
- v strop z vgradnim okvirom ali direktno z vijaki

DESCRIPTION:

Grease trap is used to extract air from kitchens and rooms with a high level of greasy steam. A grease filter reduces the soiling of air ducts and ventilators.

CONSTRUCTION:

- supporting frame
- grease filter made from expanded aluminium net
- trap tub

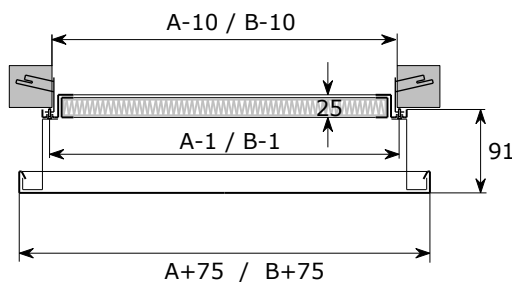
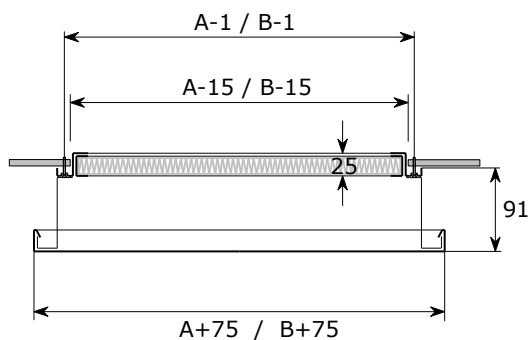
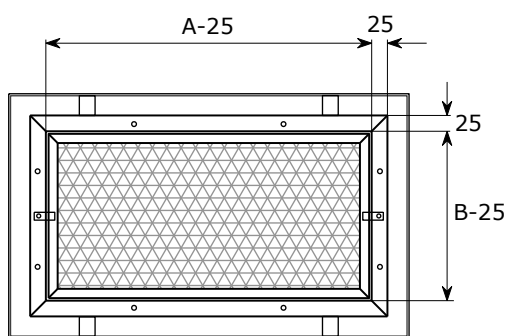
MATERIAL: galvanized sheet metal or at the customer's request stainless sheet metal

FINISH: RAL 9010 MAT white, or any colour from the RAL palette

INSTALLATION:

- on duct with screws
- in the ceiling with build-in frame or with screws

DIMENZIJE / DIMENSIONS:



Standardne širine (A) / standard width: 425, 625, 825, 1025
Standardne višine (B) / standard height: 125, 225, 325, 425

HITRA IZBIRA / FAST SELECTION:

A/B	125	225	325	425	525
225	47	110	173	236	299
325	74	173	272	371	470
425	101	236	371	506	641
525	128	299	470	641	812
625	155	362	569	776	983
725	182	425	668	911	1154
825	209	488	767	1046	1325

m3/h

Hitrost Aef=1 m/s Tlak 10 Pa

A/B	125	225	325	425	525
225	95	221	347	473	599
325	149	347	545	743	941
425	203	473	743	1013	1283
525	257	599	941	1283	1625
625	311	725	1139	1553	1967
725	365	851	1337	1823	2309
825	419	977	1535	2093	2651

m3/h

Hitrost Aef=2 m/s Tlak 37 Pa

NAČIN NAROČANJA / HOW TO ORDER:

LM-2	425	x	225	ZN	RAL 9010 MAT
					barva / colour standard RAL 9010 MAT poljubno / optional material standard ZN OPCIJA: INOX AISI304 nerjaveča pločevina, OPTION: INOX AISI304 stainless steel sheet metal višina B/ height B standard 125, 225, 325, 425 poljubna / optional širina A/ width A standard 425, 625, 825, 1025 poljubna / optional tip rešetke / type of grille



OZR

ZUNANJA ZAŠČITNA REŠETKA EXTERNAL PROTECTIVE GRILL

OPIS:

Zunanjo zaščitno rešetko vgradimo na fasado na okrogle odprtine za dovod in odvod zraka.

KONSTRUKCIJA:

- nosilni okvir
- horizontalne fiksne lamele
- zaščitna mreža dim 13 x 13 mm preprečuje vdor malih živali, listja in večjih insektov v prezračevalni kanal

MATERIAL:

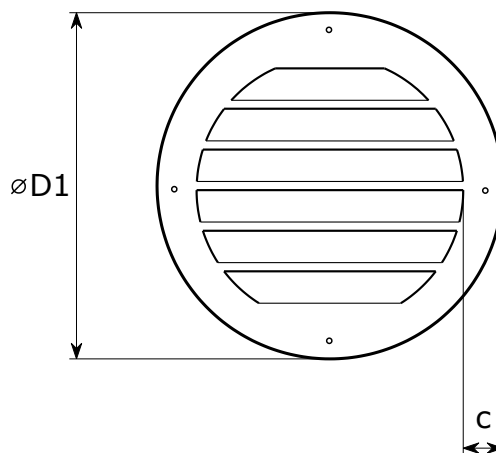
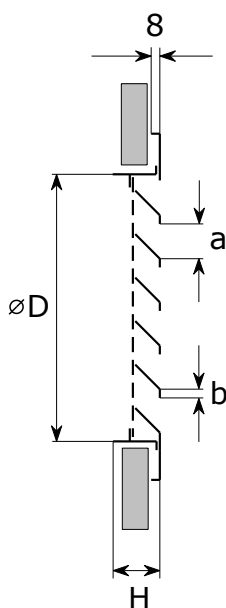
- ZN - pocinkana pločevina
- AL - aluminijasta pločevina
- INOX 304 SB- nerjaveča pločevina
- INOX 316 SB- nerjaveča pločevina

MOŽNOSTI:

- poljubna barva po RAL lestvici
- mreža proti insektom 2,5 x 2,5 mm

MONTAŽA: vgradnja z vijaki na steno

DIMENZIJE / DIMENSIONS:



DESCRIPTION:

External protective grille is installed in building fronts on supply and exhaust round air opening.

CONSTRUCTION:

- supporting frame
- horizontal fixed blades
- protection net dim 13 x 13 mm prevents the entrance of small animals, large insects and foliage into ventilation ducts

MATERIAL:

- ZN - galvanized sheet metal
- AL - aluminium sheet metal
- INOX 304 SB- stainless steel sheet metal
- INOX 316 SB- stainless steel sheet metal

OPTION:

- any RAL colour
- insect protection net 2.5 x 2.5 mm

INSTALLATION: wall installation with screw

dim	Ø D	Ø D1	H	a	b	c	Aef (m ²)
160	152	220	40	24	11	34	0,013
200	192	260	40	27,5	11	34	0,021
250	246	315	45	33	12	34,5	0,033
300	294	350	45	32	12	28	0,048
315	311	400	45	35	12	44,5	0,053
355	352	445	45	37	13	46,5	0,068
400	395	515	45	37	13	60	0,086
450	444	545	55	44	15	50,5	0,109
500	494	595	55	44	15	50,5	0,136
560	554	665	55	44	15	55,5	0,178
630	624	770	55	47	15	73	0,217
710	704	860	55	44	16	78	0,277
800	794	960	55	47	17	83	0,353

NAČIN NAROČANJA / HOW TO ORDER:

OZR	Ø 400	ZN	RAL 9010
			možnosti / options RAL barva / RAL colour IM - mreža proti mrčesu 2,5 x 2,5mm / insect protection net 2,5 x 2,5 mm material ZN, AL, INOX AISI 304, INOX AISI 316 dimenzija / dimension standard 160, 200, 250, 300, 315, 355, 400, 450, 500, 630, 710, 800 poljubno / optional tip rešetke / type of grille



PG

ZUNANJA ZAŠČITNA REŠETKA EXTERNAL PROTECTIVE GRILL

OPIS:

Zunanjo zaščitno rešetko vgradimo na fasado na odprtino za dovod in odvod zraka. Zaščitna mreža preprečuje vdor malih živali, listja in večjih insektov v prezračevalni kanal.

KONSTRUKCIJA:

- nosilni okvir
- horizontalne fiksne lamele
- zaščitna mreža 13 x 13 mm

MATERIAL:

- ZN - pocinkana pločevina
- AL - aluminijasta pločevina
- INOX - nerjaveča pločevina

DODATKI:

- mreža proti mrčesu 2,5 x 2,5 mm
- VO - vgradni okvir
- raztegljiva komora
- poljubna barva po RAL lestvici

MONTAŽA: vgradnja z vijaki na steno ali z vgradnim okvirjem

DESCRIPTION:

External protective grille is installed in building fronts on supply and exhaust air opening. Protection net prevents the entrance of small animals, large insects and foliage into ventilation ducts

CONSTRUCTION:

- supporting frame
- horizontal fixed blades
- protection net 13 x 13 mm

MATERIAL:

- ZN - galvanized sheet metal
- AL - aluminium sheet metal
- INOX - stainless steel sheet metal

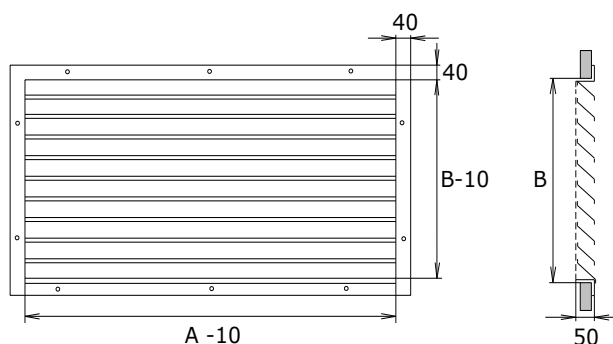
SUPPLIMENTS:

- insect protection net 2.5 x 2.5 mm
- VO - installation built-in frame
- extendable plenum box
- RAL colour

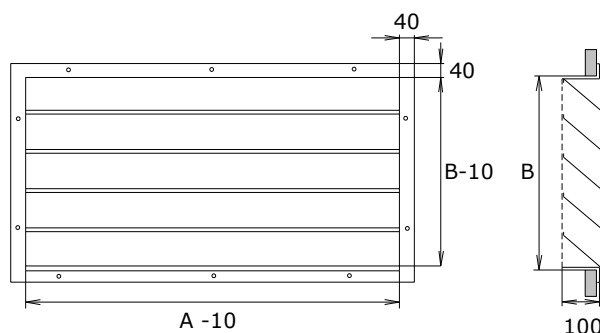
INSTALLATION: wall installation with screws or with built-in frame

DIMENZIJE IN TIPI / DIMENSIONS AND TYPES:

PG-50



PG-100



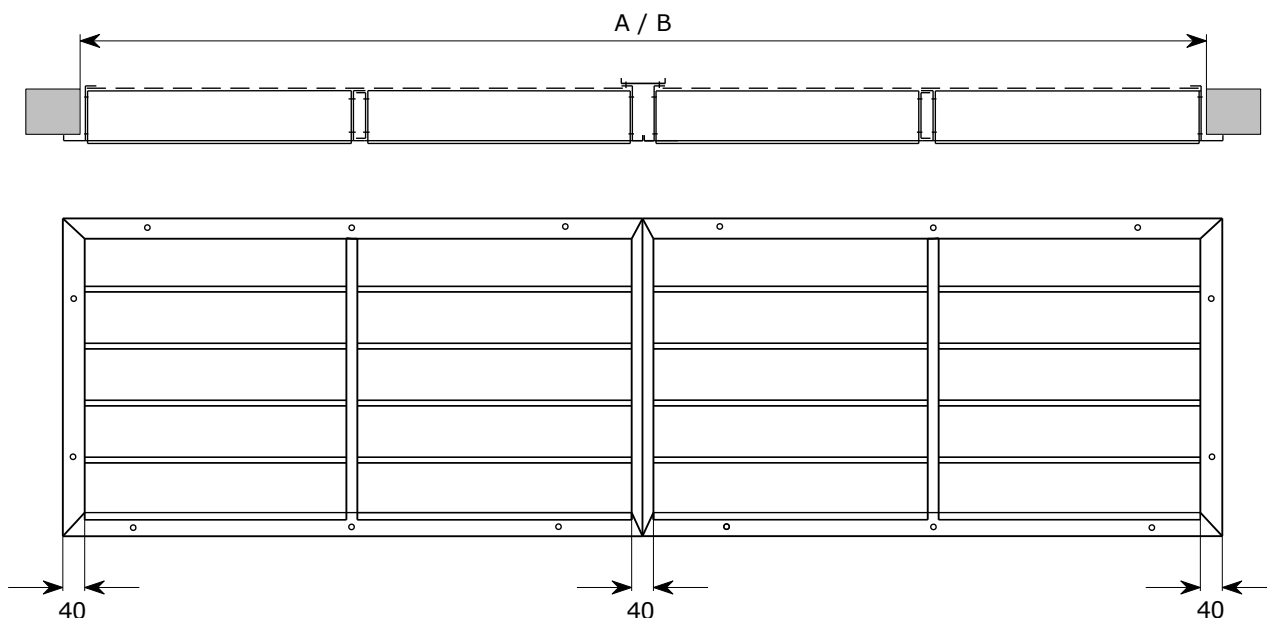
Dimenziji A in B sta poljubni. / Dimensions A and B are optional

VGRADNJA VEČJIH REŠETK:

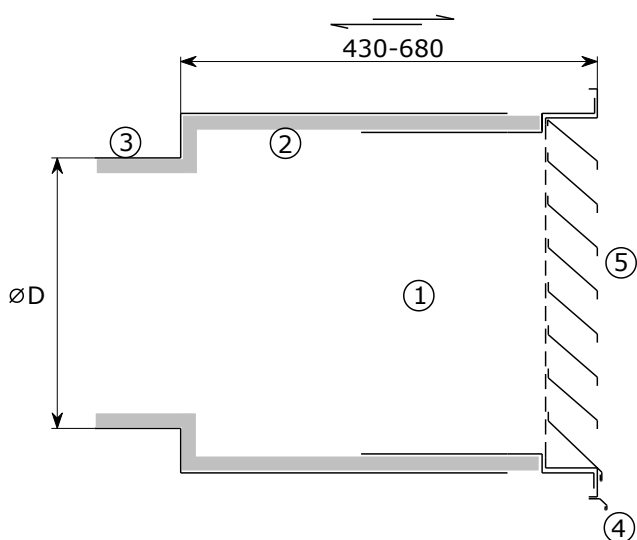
Rešetke PG-100 do širine A=2000 mm in višine B=2400 mm ter PG-50 do širine A=2000 mm in višine B=1500 mm se izdelujejo v enem kosu. Rešetke večjih dimenzij, ki se še lahko transportirajo v enem kosu, imajo vgrajene prečne ojačitve. Rešetke, ki so prevelike za transport v enem kosu pa se izdelujejo iz več delov in se sestavijo na objektu.

INSTALLATION OF LARGE GRILLS:

Grilles PG-100 up to width A=2000 mm and height B=2400 mm and grilles PG-50 up to width A=2000 mm and height B=1500 mm are manufactured in one piece. Grills of larger dimensions, which may still be transported in one piece, have built transverse reinforcements. Grills that are too large to transport in one piece are made of several parts and are assembled on site.

**DODATEK / SUPPLEMENT:**

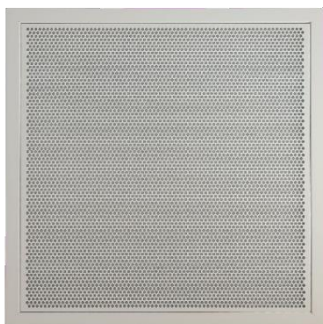
RPB - raztegljiva priključna komora do dimenzije 900x500 mm se prilagodi širini stene. Izolirana znotraj 19 mm.
extendable plenum box up to dimension 900x500 mm adapts to the width of the wall. Insulated inside 19 mm.



1. Raztegljiva komora
Extendable plenum box
2. Izolacija 19 mm
Insulation 19 mm
3. Okrogli priključ
Round connection opening
4. Od kapni profil
Drain profile
5. Zaščitna rešetka
Protective grille

NAČIN NAROČANJA / HOW TO ORDER:

PG-50	1000	x	500	ZN	VO
					dodatki / supplements IM - mreža proti mrčesu / insect protection net VO - vgradni okvir / build-in frame RPB – raztegljiva izolirana komora / extendable plenum box RAL barva / RAL colour
					material ZN, AL, INOX
					višina B/ height B standard PG-50 (100-1500 mm), PG-100 (200-2400 mm) poljubna / optional
					širina A/ width A standard 200-2000 mm poljubna / optional
					tip rešetke / type of grille PG-50 PG-100



PP-RV

PERFORIRANA REVIZIJSKA REŠETKA PERFORATED REVISION GRILLE

OPIS:

Perforirana revizijska rešetka je namenjena odvodu zraka iz prostora ali dovodu zraka v prostor. Primerna je za vgradnjo v spuščene stropove. Klik ali ključavnica mehanizem omogočata enostavno odpiranje in dostop do med stropovja.

KONSTRUKCIJA:

Okvir in frontalna plošča s perforacijo po izbiri:

- 54 %, luknjice fi 6 mm (standard)
- 38 % ali 43% perforacija, luknjice fi 6 mm
- 69 % perforacija, luknjice 10x10 mm
- 77 % perforacija, luknjice 15x15 mm
- Satje 9x10,

Rešetka se odpre okoli osi po daljši stranici. Zapre se s:

- klik mehanizem – skrito (standard)
- ključavnica – vidno (opcija)

MATERIAL:

- pocinkana pločevina (standard)
- nerjavna pločevina INOX AISI 304 B2

BARVA:

bela barva RAL 9010 MAT (standard) ali poljubna barva po RAL lestvici

DODATKI:

- kofil filter G2 ali G3, položen na notranji del frontalne plošče in fiksiran s profilom
- varovalna vrstica
- komora PB
- komora PB z loputo



S – varovalna vrstica / safety cord

DESCRIPTION:

The perforated revision grille is designed to exhaust air from the room or intake air to the room. It is suitable for installation in dropped ceilings. A click or lock mechanism allows for easy opening and access to the plenum space.

CONSTRUCTION:

Frame and front panel with following perforation options:

- 54 %, fi 6 mm holes (standard)
- 38% or 43% perforation, fi 6 mm holes
- 69 % perforation, 10x10 mm holes
- 77 % perforation, 15x15 mm holes
- Honeycomb 9x10,

The grille opens around the axis along the longer side. It closes with:

- click mechanism – hidden (standard)
- lock – visible (optional)

MATERIAL:

- galvanized sheet metal (standard)
- stainless steel sheet metal INOX AISI 304 B2

FINISH:

RAL 9010 MAT white (standard), or any colour from the RAL palette

SUPPLEMENTS:

- G2 or G3 filter, placed on the inner side of the front panel and fixed with a profile
- safety cord
- PB plenum
- PB plenum with a damper



KLIK - zapiranje s klik mehanizmom
closing with click mechanism



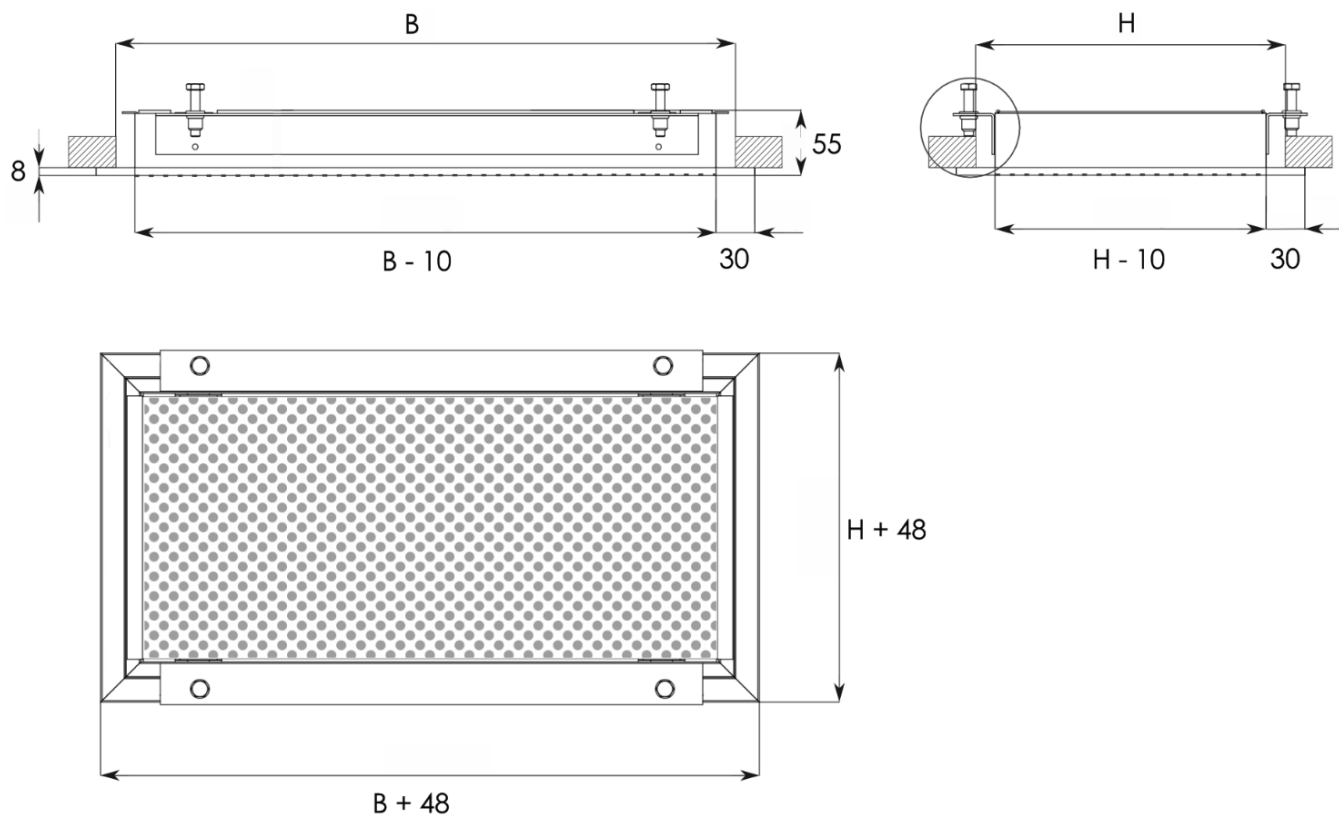
KLJUČ - zapiranje s ključavnico
closing with lock mechanism

DIMENZIJE / DIMENSIONS:

Standardne dimenzije / standard dimensions:

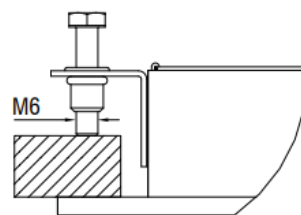
B=300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300 mm

H=300, 400, 500, 600 mm;



MONTAŽA / INSTALLATION:

Skrita pritrditev na spuščeni strop z uporabo kotnikov in z vijaki M6 (standard)
 Concealed fixing to dropped ceiling using angles and M6 screws (standard)



Montaža na komoro / Installation on plenum box

**NAČIN NAROČANJA / HOW TO ORDER:**

PP-RV	PP 6-54	600	300	ZN	RAL 9010 MAT	klik	G3 S
							dodatki / supplements G2 – filter G3 – filter S – varovalna vrvica / safety cord PB – komora / plenum box način zapiranja / lock system KLIK – klik mehanizem / click mechanism KLJUČ – ključavnica / lock mechanism
					barva / finish standard RAL 9010 MAT material ZN (standard) INOX AISI 304		
					dimenzija h / dimension h standard 300, 400, 500, 600 mm dimenzija b / dimension b standard 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300 mm		
	tip perforacije / perforation type PP 6-54 PP 6-43 PP 6-38 PP 10x10-69 PP 15x15-77 PP ...						
	tip rešetke / grill type						



RR

REGULACIJSKA ZAŠČITNA REŠETKA ADJUSTABLE PROTECTIVE GRILL

OPIS:

Regulacijska zaščitna rešetka se vgradi na odprtino za dovod in odvod zraka na steno ali na vrata. Rešetka ima horizontalno nameščene gibljive lamele, s katerimi reguliramo količino zraka. Pozicija lamel se nastavi centralno z vijakom na okvirju.

KONSTRUKCIJA:

- nosilni okvir
- horizontalne lamele,
- mehanizem za ročno centralno nastavljanje kota lamel

MATERIAL:

- ZN - pocinkana pločevina
- AL - aluminijasta pločevina
- INOX - nerjaveča pločevina

DODATKI:

- perforirana zaščitna mreža 15x15 mm, ki preprečuje vdor malih živali, listja in večjih insektov v prezračevalni kanal
- VO - vgradni okvir
- PO - proti okvir za vgradnjo na vrata
- poljubna barva po RAL lestvici

DESCRIPTION:

The control grill is installed at the air intake and discharge opening on the wall or on the door. The grill has horizontally mounted flexible blades which regulate the air volume. The position of the blades is adjusted centrally by a screw on the frame.

CONSTRUCTION:

- supporting frame
- horizontal blades
- manual central blade angle adjustment mechanism

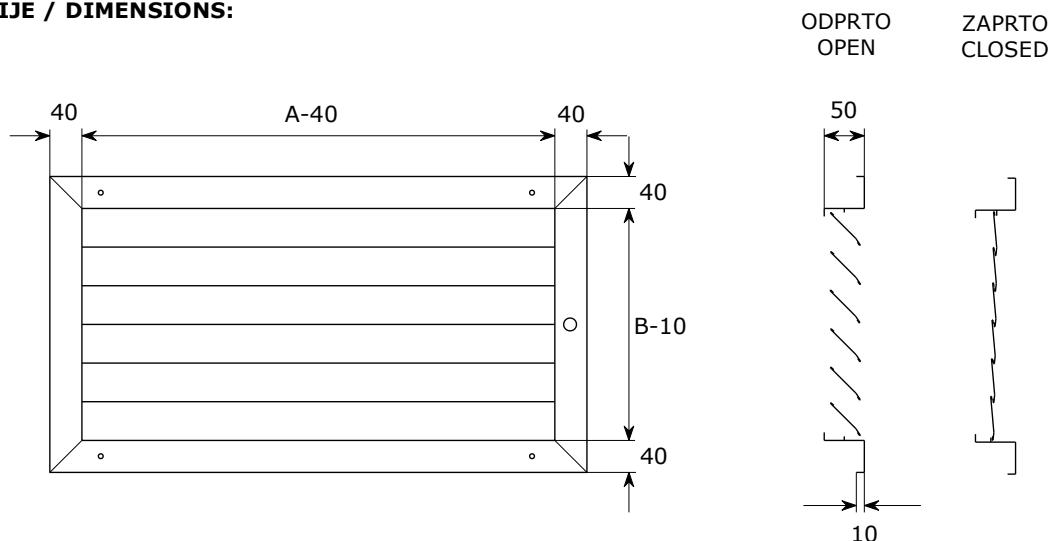
MATERIAL:

- ZN - galvanized sheet metal
- AL - aluminium sheet metal
- INOX - stainless steel sheet metal

SUPPLIMENTS:

- 15x15 mm perforated mesh to prevent small animals, leaves and larger insects from entering the ventilation canal
- VO - installation built-in frame
- PO - counter frame for door mounting
- RAL colour

DIMENZIJE / DIMENSIONS:



Standardne dimenzije in prosti preseki A_{ef} (m²): / Standard dimensions and free sections A_{ef} (m²):

A/B	100	200	300	400	500	600
200	0,013	0,030	0,047	0,063	0,080	0,097
300	0,020	0,047	0,073	0,100	0,126	0,153
400	0,027	0,064	0,100	0,136	0,172	0,209
500	0,035	0,081	0,127	0,173	0,219	0,265
600	0,042	0,098	0,153	0,209	0,265	0,320

Na željo kupca izdelamo tudi nestandardno dimenzijo.
Production of a non-standard dimension is possible on request.

MONTAŽA:/ INSTALLATION:

Na steno z vijaki

To the wall with screws

Na steno s pomočjo
vijakov in vzdanega
vgradnega okvirja (VO)

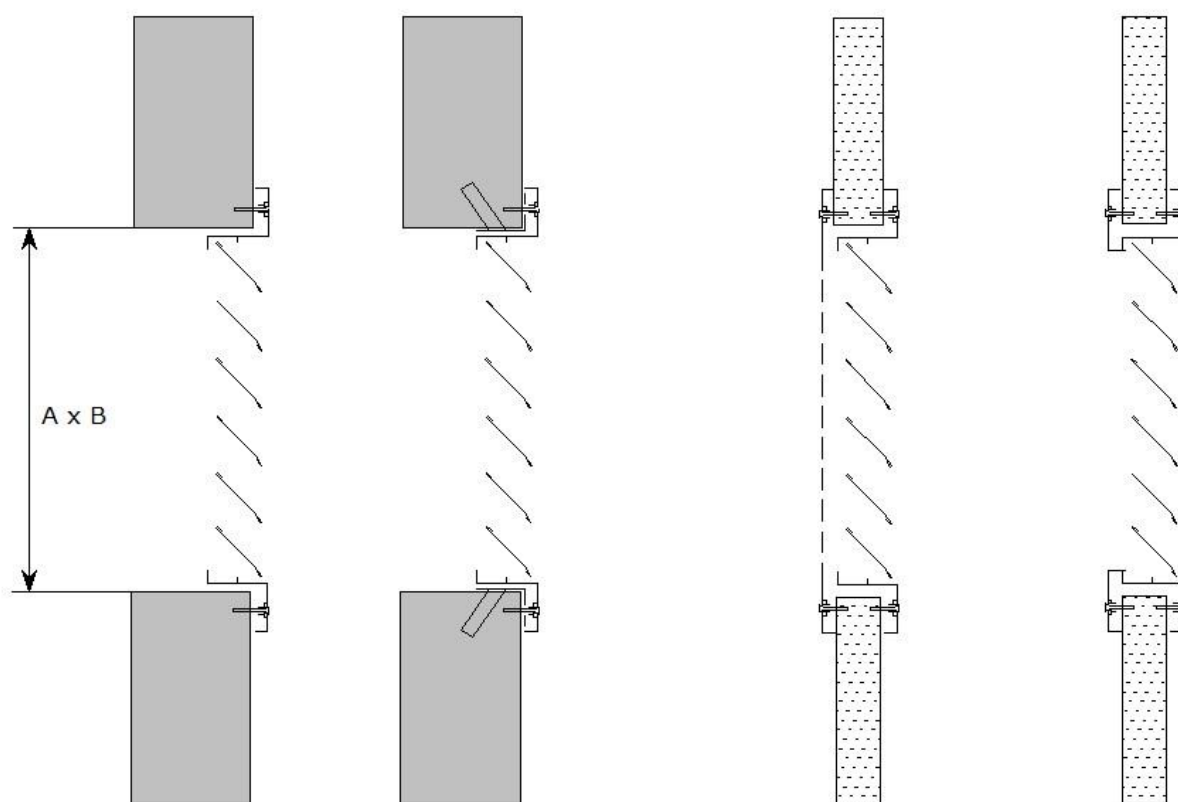
To the wall using screws
and a built-in frame (VO)

Na vrata s perforirano
masko na nasprotni strani

On the door with a
perforated mask on the
opposite side

Na vrata s proti okvirjem
(PO) na nasprotni strani

On the door with a
counter-frame (PO) on the
opposite side of a door



NAČIN NAROČANJA / HOW TO ORDER:

RR	400	x	200	ZN	VO
					dodatki / supplements perforirana zaščitna mreža / perforated protection net VO - vgradni okvir / build-in frame PO - proti okvir / counter frame RAL barva / RAL colour material ZN, AL, INOX višina B/ height B standard 200, 300, 400, 500, 600 mm poljubna / optional širina A/ width A standard 200, 300, 400, 500, 600 mm poljubna / optional tip rešetke / type of grille



NFZ

NADTLAČNA FASADNA ŽALUZIJA OVER-PRESSURE WALL DAMPER

OPIS:

Nadtlačno fasadno žaluzijo uporabljamo pri nizkotlačnemu prezračevanju, toplozračnemu ogrevanju, prezračevanju, kjer je potrebno izenačevati tlake med sosednjimi prostori in tam, kjer je potrebna samodejna prekinitev dovoda oz. odvoda zraka po izključitvi prezračevalne naprave.

KONSTRUKCIJA:

- dovod ali odvod
- nosilni okvir
- horizontalne nihalne lamele
- tesnilni trak na lamelah zmanjšuje šumnost pri zapiranju

MATERIAL: lamele so izdelane iz aluminijaste pločevine, nosilni okvir pa je lahko izdelan iz pocinkane pločevine, aluminijaste ali INOX nerjaveče pločevine

DODATKI: vgradni okvir - VO

MONTAŽA: vgradnja na steno z vijaki

DESCRIPTION:

Over-pressure wall dampers are used for low pressure ventilation, for heating and for ventilation where equalisation of the pressures between neighbouring areas is necessary and in areas where automatic break of air supply or air exhaust is required after exclusion of a fan.

CONSTRUCTION:

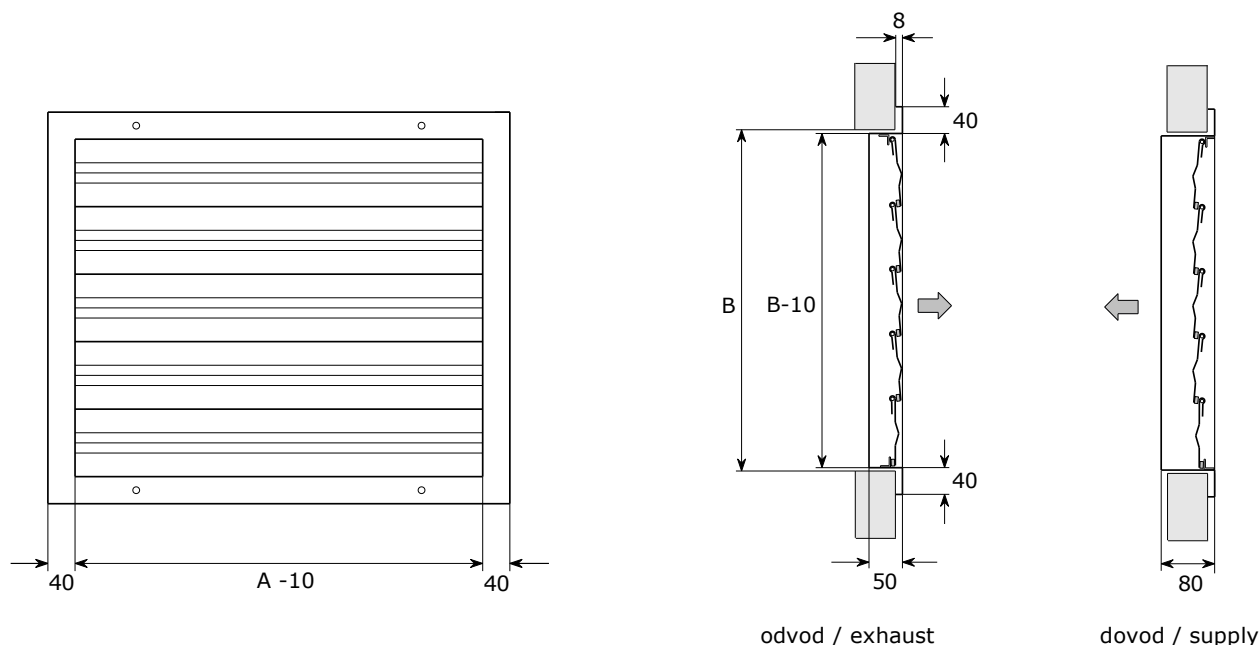
- supply or exhaust
- supporting frame
- aluminium horizontal swinging blades
- soft tape placed on each blade silences the noise upon closing

MATERIAL: the blades are made from aluminium sheet metal. The supporting frame is made of galvanized sheet metal, aluminium sheet metal or stainless-steel sheet metal.

SUPPLIMENTS: installation built-in frame - VO

INSTALLATION: wall installation with screws

DIMENZIJE / DIMENSIONS:



NAČIN NAROČANJA / HOW TO ORDER:

NFZ	600	x	200	AL	odvod	VO
						dodatki / supplements VO - vgradni okvir / build-in frame dovod ali odvod / supply or exhaust
				material ZN, AL, INOX		
				višina / height poljubna / optional		
				širina / width poljubna / optional		
						tip žaluzije / type of damper



NKZ

NADTLAČNA KANALSKA ŽALUZIJA OVER-PRESSURE DUCT DAMPER

OPIS:

Nadtlačno kanalsko žaluzijo uporabljamo pri nizkotlačnemu prezračevanju, toplozračnemu ogrevanju, prezračevanju, kjer je potrebno izenačevati tlake med sosednjimi prostori in tam, kjer je potrebna samodejna prekinitev dovoda oz. odvoda zraka po izključitvi prezračevalne naprave.

KONSTRUKCIJA:

- dovod ali odvod
- nosilni okvir s prirobnicami
- horizontalne nihalne lamele
- tesnilni trak na lamelah zmanjšuje šumnost pri zapiranju

MATERIAL: lamele so izdelane iz aluminijaste pločevine, nosilni okvir pa je lahko izdelan iz pocinkane pločevine, aluminijaste ali INOX nerjaveče pločevine

MONTAŽA: vgradnja na kanal s prirobnico

DESCRIPTION:

Over-pressure duct dampers are used for low pressure ventilation, for heating and for ventilation where equalisation of the pressures between neighbouring areas is necessary and in areas where automatic break of air supply or air exhaust is required after exclusion of a fan.

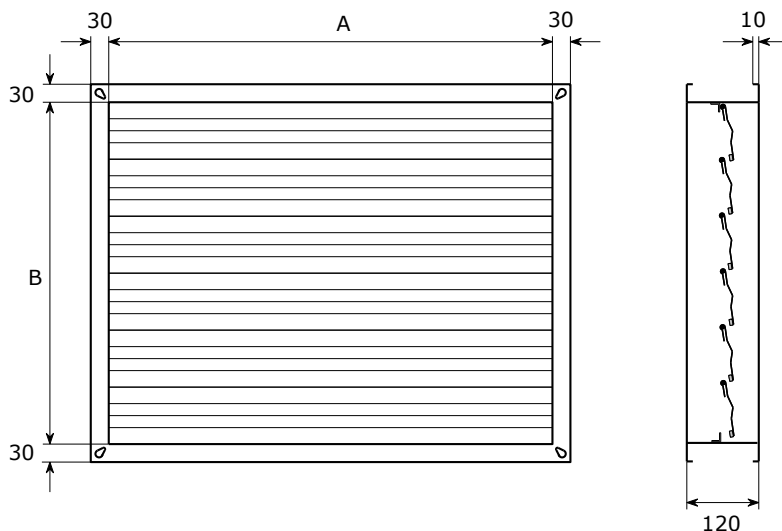
CONSTRUCTION:

- supply or exhaust
- supporting frame with flanges
- aluminium horizontal swinging blades
- soft tape placed on each blade silences the noise upon closing

MATERIAL: the blades are made from aluminium sheet metal. The supporting frame is made of galvanized sheet metal, aluminium sheet metal or stainless-steel sheet metal.

INSTALLATION: between ducts with flange

DIMENZIJE / DIMENSIONS:



NAČIN NAROČANJA / HOW TO ORDER:

NKZ	600	x	200	ZN
				material ZN, AL, INOX višina / height poljubna / optional širina / width poljubna / optional tip žaluzije / type of damper



RZ

PROTISMERNA REGULACIJSKA ŽALUZIJA OPPOSED-ACTION VOLUME CONTROL LOUVRE

OPIS:

Regulacijske žaluzije se uporabljajo za regulacijo pretoka zraka in tlaka v prezračevalnih kanalih in napravah. V prezračevalni sistem so nameščene samostojno ali v kombinaciji z zaščitnimi rešetkami ali nihalnimi žaluzijami.

KONSTRUKCIJA:

- nosilni okvir
- protismerne horizontalne lamele, ki se premikajo s pomočjo PVC mehanizma
- nosilec za ročico ali elektromotorni pogon

MATERIAL:

- pocinkana pločevina,
- aluminijasta pločevina
- nerjaveča pločevina

TIP POGONA:

- C - ročna nastavitev z ročico
- E - pripravljen za montažo elektro pogona
- E + BELIMO ... - na željo kupca se na ohišje namesti izbrani Belimo pogon:
 - LM230A (ON -OFF)
 - LM24A (ON -OFF)
 - LM230A SR
 - LM24A SR
 - NM230A (ON -OFF)
 - NM24A (ON -OFF)
 - NM230A SR
 - NM24A SR
 - SM230A (ON -OFF)
 - SM24A (ON -OFF)
 - SM230A SR
 - SM24A SR

MONTAŽA: vgradnja s prirobnico na kanal

DESCRIPTION:

The volume control louvre is used in air conditioning systems for air flow adjustment and control of pressure in rectangular ducts and air handling units. They are installed as independent devices or in combination with protection or overpressure louvres

CONSTRUCTION:

- supporting frame
- horizontal opposed-action blades controlled by PVC mechanism
- bracket for handle or electromotor drive

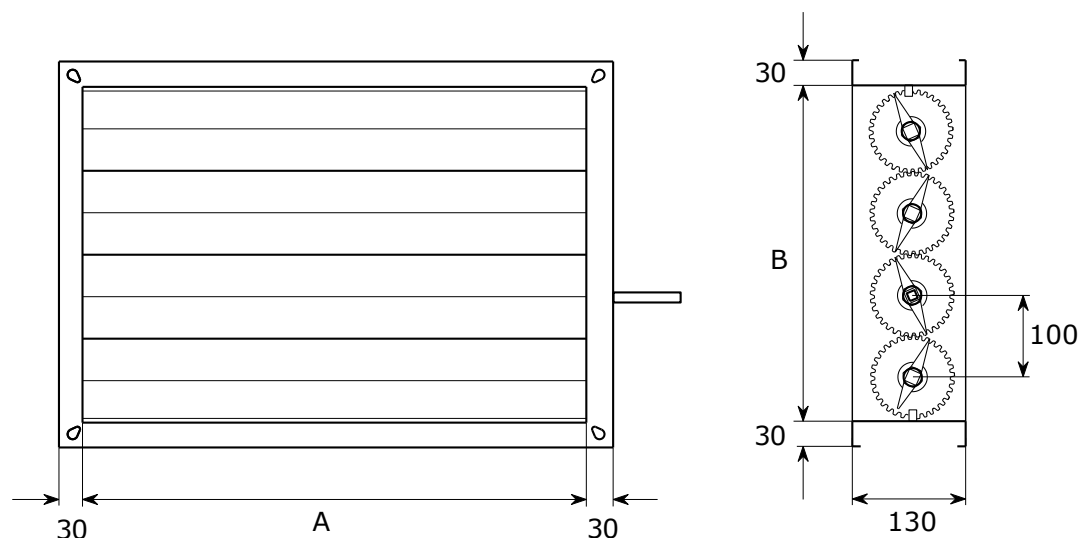
MATERIAL:

- galvanized sheet metal
- aluminium sheet metal
- stainless-steel sheet metal

TYPE OF DRIVE:

- C - manual adjustment with handle
- E - ready for electric drive
- E + BELIMO ... - upon request the Belimo electric motor drive can be added on the frame:
 - LM230A (ON -OFF)
 - LM24A (ON -OFF)
 - LM230A SR
 - LM24A SR
 - NM230A (ON -OFF)
 - NM24A (ON -OFF)
 - NM230A SR
 - NM24A SR
 - SM230A (ON -OFF)
 - SM24A (ON -OFF)
 - SM230A SR
 - SM24A SR

INSTALLATION: with flange on the duct

DIMENZIJE / DIMENSIONS:

RZ žaluzije izdelujemo v poljubnih kombinacijah višine do 2000 mm in širine do 1200 mm.
 RZ louvres are available in any combination of heights up to 2000 mm and widths up to 1200 mm.

Območje delovanja motornih pogonov / Application range for actuators

H/B	200	300	400	500	600	700	800	900	1000	1100	1200
200	LM										
300											
400											
500											
600											
700											
800	NM										
900											
1000											
1100											
1200											
1300											
1400											
1500											
1600											
1700											
1800											
1900											
2000											
										SM	

NAČIN NAROČANJA / HOW TO ORDER:

RZ	600	x	500	ZN	E + LM230A
					pogon / drive: R - centralni ročni pogon / central manual drive E - pripravljeno za elektromotorni pogon / ready for electromotor drive E + BELIMO ... - montiran elektromotorni pogon / installed electromotor drive material ZN, AL, INOX višina / height standard 200-2000 poljubna / optional širina / width standard 200-1200 poljubna / optional tip žaluzije / type of louvre



RZI

ISTOSMERNNA REGULACIJSKA ŽALUZIJA PARALLEL-ACTION VOLUME CONTROL LOUVRE

OPIS:

Istosmerne regulacijske žaluzije se uporabljajo za regulacijo pretoka zraka in tlaka v prezračevalnih kanalih in napravah. V prezračevalni sistem so nameščene samostojno ali v kombinaciji z zaščitnimi rešetkami ali nihalnimi žaluzijami. Temperaturno območje delovanje je do 200 °C ker so brez vgrajenih PVC delov.

KONSTRUKCIJA:

- nosilni okvir
- horizontalne lamele, ki se premikajo s pomočjo kovinskega mehanizma
- nosilec za ročico ali elektromotorni pogon

MATERIAL:

- pocinkana pločevina,
- nerjaveča pločevina

TIP POGONA:

- C - ročna nastavitvev z ročico
- E - pripravljen za montažo elektro pogona
- E + BELIMO ... - na željo kupca se na ohišje namesti izbrani Belimo pogon:
 - LM230A (ON -OFF)
 - LM24A (ON -OFF)
 - LM230A SR
 - LM24A SR
 - NM230A (ON -OFF)
 - NM24A (ON -OFF)
 - NM230A SR
 - NM24A SR
 - SM230A (ON -OFF)
 - SM24A (ON -OFF)
 - SM230A SR
 - SM24A SR

MONTAŽA: vgradnja s prirobnico na kanal

DESCRIPTION:

The parallel-action volume control louver is used in air conditioning systems for air flow adjustment and control of pressure in rectangular ducts and air handling units. They are installed as independent devices or in combination with protection or overpressure louvers. The operating temperature range is up to 200 °C because there are no PVC parts installed.

CONSTRUCTION:

- supporting frame
- horizontal parallel-action blades controlled by metal mechanism
- bracket for handle or electromotor drive

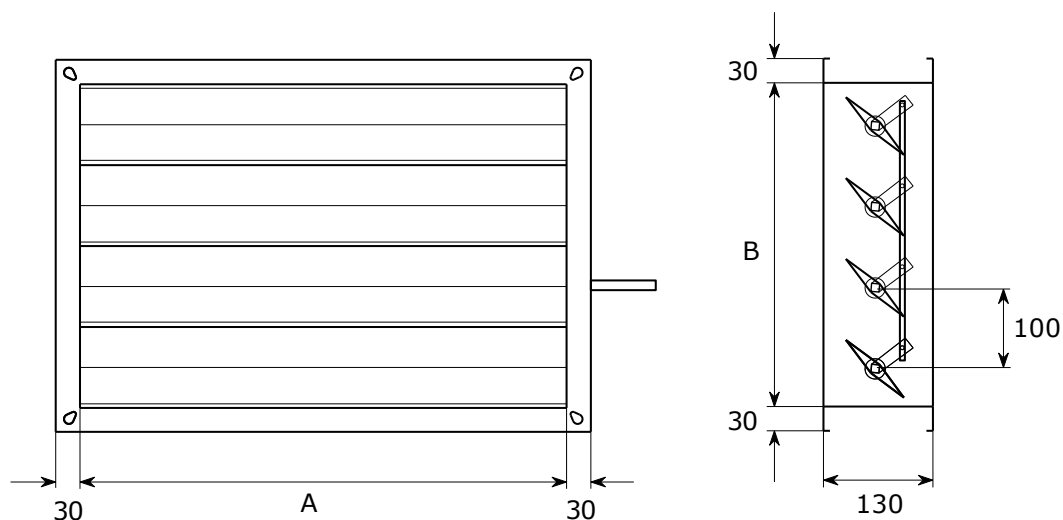
MATERIAL:

- galvanized sheet metal
- stainless-steel sheet metal

TYPE OF DRIVE:

- C - manual adjustment with handle
- E - ready for electric drive
- E + BELIMO ... - upon request the Belimo actuator can be added on the frame:
 - LM230A (ON -OFF)
 - LM24A (ON -OFF)
 - LM230A SR
 - LM24A SR
 - NM230A (ON -OFF)
 - NM24A (ON -OFF)
 - NM230A SR
 - NM24A SR
 - SM230A (ON -OFF)
 - SM24A (ON -OFF)
 - SM230A SR
 - SM24A SR

INSTALLATION: with flange on the duct

DIMENZIJE / DIMENSIONS:

RZI žaluzije izdelujemo v poljubnih kombinacijah višine do 2000 mm in širine do 1200 mm.
 RZI louvres are available in any combination of heights up to 2000 mm and widths up to 1200 mm.

Območje delovanja motornih pogonov / Application range for actuators:

H/B	200	300	400	500	600	700	800	900	1000	1100	1200
200	LM										
300											
400											
500											
600											
700											
800	NM										
900											
1000											
1100											
1200											
1300											
1400											
1500											
1600											
1700											
1800											
1900											
2000											
	SM										

NAČIN NAROČANJA / HOW TO ORDER:

RZI	600	x	500	ZN	E + LM230A
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pogon / drive:

R - centralni ročni pogon / central manual drive

E - pripravljeno za elektromotorni pogon / ready for electromotor drive

E + BELIMO ... - montiran elektromotorni pogon / installed electromotor drive

material

ZN, INOX

višina / height

standard 200-2000

poljubna / optional

širina / width

standard 200-1200

poljubna / optional

tip žaluzije / type of louver



ZRZ

ZRAKOTESNA PROTISMERNA REGULACIJSKA ŽALUZIJA AIRTIGHT OPPOSED-ACTION VOLUME CONTROL LOUVRE

OPIS:

Zrakotesne regulacijske žaluzije se uporabljajo za regulacijo pretoka zraka in tlaka v prezračevalnih kanalih in napravah. V prezračevalni sistem so nameščene samostojno ali v kombinaciji z zaščitnimi rešetkami ali nihalnimi žaluzijami

KONSTRUKCIJA:

- zrakotesna konstrukcija (puščanje zraka ustreza razredu II, po VDI 3803 ali DIN 24194, del 2)
- nosilni okvir
- horizontalne lamele, ki se premikajo s pomočjo PVC mehanizma
- nosilec za ročico ali elektromotorni pogon

MATERIAL:

- okvir je lahko izdelan iz:
 - pocinkane pločevine
 - aluminijaste pločevine
 - nerjaveče pločevine
- lamele so izdelane iz AL profilov

TIP POGONA:

- C - ročna nastavitvev z ročico
- E - pripravljen za montažo elektro pogona
- E + BELIMO ... - na željo kupca se na ohišje namesti izbrani Belimo pogon:
 - LM230A (ON -OFF)
 - LM24A (ON -OFF)
 - LM230A SR
 - LM24A SR
 - NM230A (ON -OFF)
 - NM24A (ON -OFF)
 - NM230A SR
 - NM24A SR
 - SM230A (ON -OFF)
 - SM24A (ON -OFF)
 - SM230A SR
 - SM24A SR

MONTAŽA: vgradnja s prirobnico na kanal

DESCRIPTION:

The airtight volume control louver is used in air conditioning systems for air flow adjustment and control of pressure in rectangular ducts and air handling units. They are installed as independent devices or in combination with protection or overpressure louvers

CONSTRUCTION:

- airtight construction (air leakage flow complies with Class II, VDI 3803 or DIN 24194, part 2)
- supporting frame
- horizontal movable blades controlled by PVC mechanism
- bracket for handle or electromotor drive

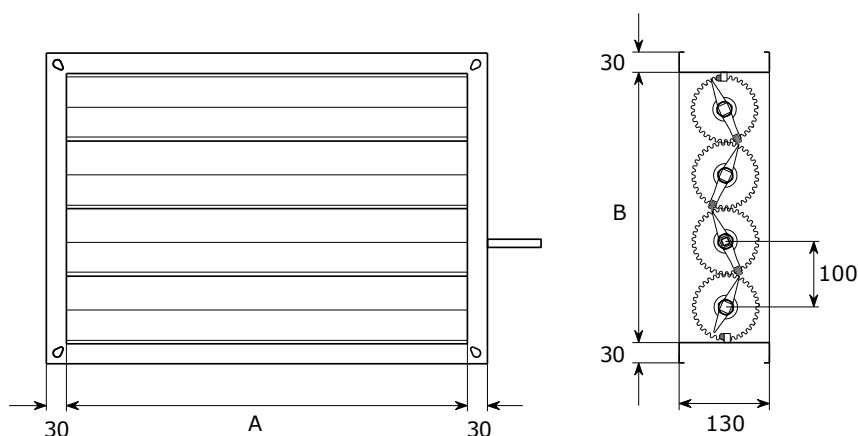
MATERIAL:

- frame is made from:
 - galvanized sheet metal
 - aluminium sheet metal
 - stainless steel sheet metal
- blades are made from AL profiles

TYPE OF DRIVE:

- C - manual adjustment with handle
- E - ready for electric drive
- E + BELIMO ... - upon request the Belimo electric motor drive can be added on the frame:
 - LM230A (ON -OFF)
 - LM24A (ON -OFF)
 - LM230A SR
 - LM24A SR
 - NM230A (ON -OFF)
 - NM24A (ON -OFF)
 - NM230A SR
 - NM24A SR
 - SM230A (ON -OFF)
 - SM24A (ON -OFF)
 - SM230A SR
 - SM24A SR

INSTALLATION: with flange on the duct

DIMENZIJE / DIMENSIONS:

ZRR žaluzije izdelujemo v poljubnih kombinacijah višine do 2000 mm in širine do 1200 mm.
ZRR louvres are available in any combination of heights up to 2000 mm and widths up to 1200 mm.

Nivo hrupa in padec tlaka "alfa" = 10° do 80°
Sound power level and pressure drop "alfa" = 10° to 80°

Kot lopatic Blade angle (°)	Hitrost Velocity (m/s)	1m/s	2m/s	3m/s	4m/s	5m/s	7m/s	10m/s
10°	Δp_t (Pa)					5	9	19
	LwA0 (dB)					48	56	66
20°	Δp_t (Pa)			7	12	18	34	70
	LwA0 (dB)			42	48	54	63	71
30°	Δp_t (Pa)		9	23	41	65	125	250
	LwA0 (dB)		40	51	57	63	71	78
40°	Δp_t (Pa)		29	68	105	185	340	720
	LwA0 (dB)		49	60	67	73	81	89
50°	Δp_t (Pa)	21	84	190	310	520	990	
	LwA0 (dB)	43	61	71	77	83	91	
60°	Δp_t (Pa)	62	260	580	1045			
	LwA0 (dB)	54	72	82	89			
70°	Δp_t (Pa)	310	1310					
	LwA0 (dB)	72	89					
80°	Δp_t (Pa)	1480						
	LwA0 (dB)	88						

$$LwA \text{ (dB)} = LwA0 \text{ (dB)} + K$$

Korekcijski faktorji nivoja hrupa.
Sound power level correction factors.

A (m ²)	0,1	0,12	0,25	0,3	0,4	0,5	0,6	0,75	1	1,25	1,6	2	3
K	-10	-9	-6	-5	-4	-3	-2	-1	0	1	2	3	5

Območje delovanja motornih pogonov.
Application range for actuators.

H/B	200	300	400	500	600	700	800	900	1000	1100	1200
200	LM										
300											
400											
500											
600											
700											
800	NM										
900											
1000											
1100											
1200											
1300											
1400											
1500											
1600											
1700											
1800											
1900											
2000											
										SM	

NAČIN NAROČANJA / HOW TO ORDER:

ZRZ	600	x	500	ZN	E + LM230A
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pogon / drive:

R - centralni ročni pogon / central manual drive

E - pripravljeno za elektromotorni pogon / ready for electromotor drive

E + BELIMO... - montiran elektromotorni pogon / mounted electromotor drive

material

ZN, AL, INOX

višina / height

standard 200-2000mm

poljubna / optional

širina / width

standard 200-1200mm

poljubna / optional

tip žaluzije / type of louvre



DL

DUŠILNA LOPUTA THROTTLING DAMPER

OPIS:

Dušilne lopute se uporabljajo za nastavitev količin pretoka zraka v kanalih.

KONSTRUKCIJA:

- ohišje
- lamela
- ročna ali elektromotorna nastavitev lamel

MATERIAL: pocinkana pločevina

DIMENZIJE:

STANDARDNE DIMENZIJE:

A=100, 150, 200, 250, 300, 400, 500, 600 mm,
H=100, 150, 200, 250, 300 mm;
L=200 do dim 200x200; L=300 nad dim 200x200

Na željo kupca je možno izdelati tudi ostale nestandardne dimenzije

DESCRIPTION:

The throttling volume control damper is used to regulate the volume of air flow in the ducts.

CONSTRUCTION:

- casing
- blade
- manual or electromotor control mechanism

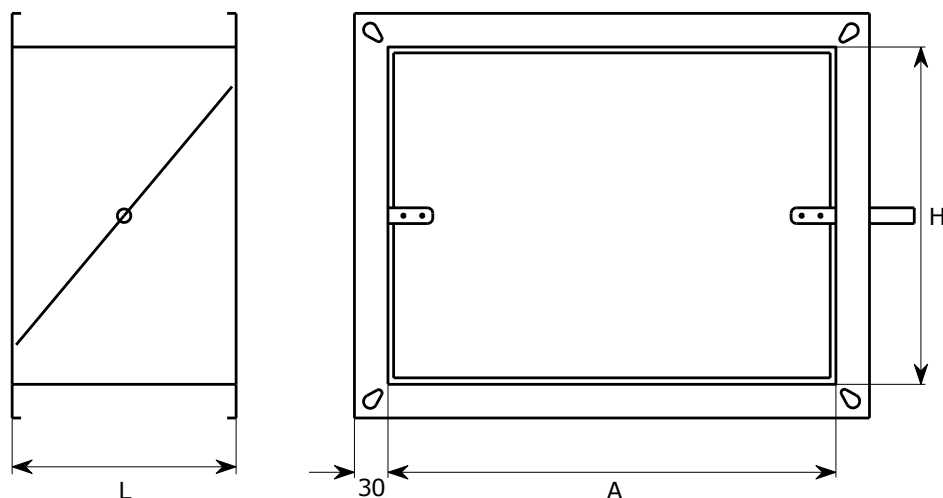
MATERIAL: galvanized sheet

DIMENSIONS:

STANDARD DIMENSIONS:

A=100, 150, 200, 250, 300, 400, 500, 600 mm,
H=100, 150, 200, 250, 300 mm;
L=200 up to dim 200x200; L=300 above dim 200x200

Other non-standard dimensions can be produced upon customer request



DODATKI:

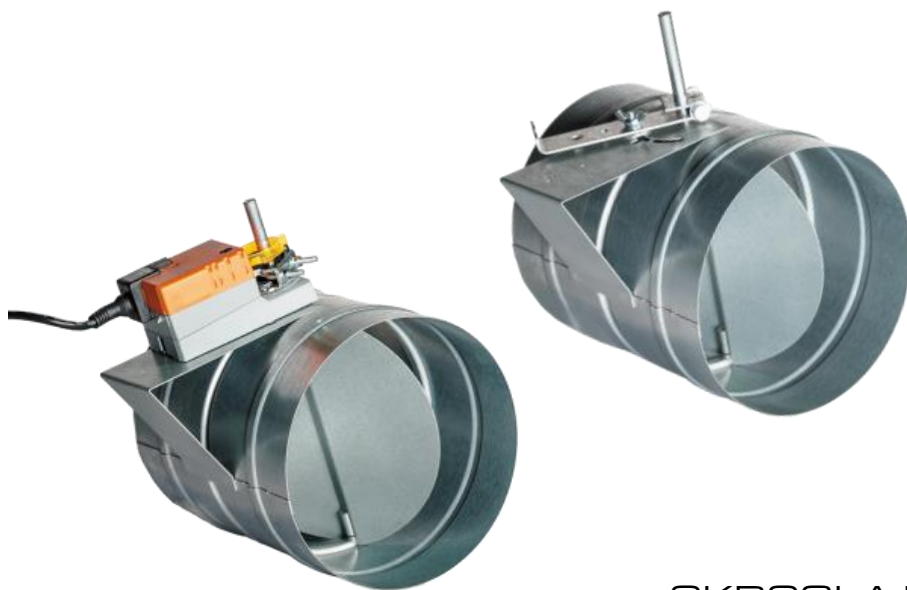
- BELIMO elektro motor:
 - LM24A
 - NM24A
 - LM24A SR
 - NM24A SR
 - LM230A
 - NM230A
 - LM230A SR
 - NM230A SR

SUPPLEMENTS:

- BELIMO electric drive:
 - LM24A
 - NM24A
 - LM24A SR
 - NM24A SR
 - LM230A
 - NM230A
 - LM230A SR
 - NM230A SR

NAČIN NAROČANJA / HOW TO ORDER:

DL	300	x	200	E + LM24A
				pogon / drive R - centralni ročni pogon / central manual drive E - pripravljeno za elektromotorni pogon / ready for electromotor drive E + BELIMO... - montiran elektromotorni pogon / mounted electromotor drive višina H / height H standard 100, 150, 200, 250, 300 poljubna / optional širina A / width A standard 100, 150, 200, 250, 300, 400, 500, 600 poljubna / optional tip lopute / type of damper



ODL

OKROGLA DUŠILNA LOPUTA ROUND THROTTLING DAMPER

OPIS:

Dušilne lopute se uporabljajo za regulacijo količine zraka v okroglih prezračevalnih kanalih.

KONSTRUKCIJA:

- okroglo ohišje
- lamela
- ročna ali elektromotorna nastavitev lamel

MATERIAL:

- pocinkana pločevina
- nerjaveča pločevina INOX AISI 304

DODATKI:

- gumijasta tesnila v utorih na ohišju
- BELIMO elektro motor:
 - LM24A
 - NM24A
 - LM24A SR
 - NM24A SR
 - LM230A
 - NM230A
 - LM230A SR
 - NM230A SR

DESCRIPTION:

The throttling volume control damper is used to regulate the volume of air flow in the system of round ducts.

CONSTRUCTION:

- round casing
- blade
- manual or electromotor control mechanism

MATERIAL:

- galvanized sheet metal
- stainless steel sheet metal INOX AISI 304

SUPPLEMENTS:

- seal rubber rings in grooves on the casing
- BELIMO electric drive:
 - LM24A
 - NM24A
 - LM24A SR
 - NM24A SR
 - LM230A
 - NM230A
 - LM230A SR
 - NM230A SR

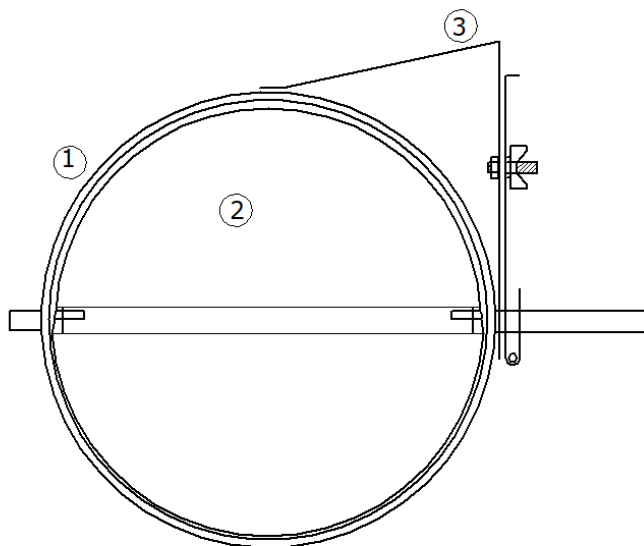
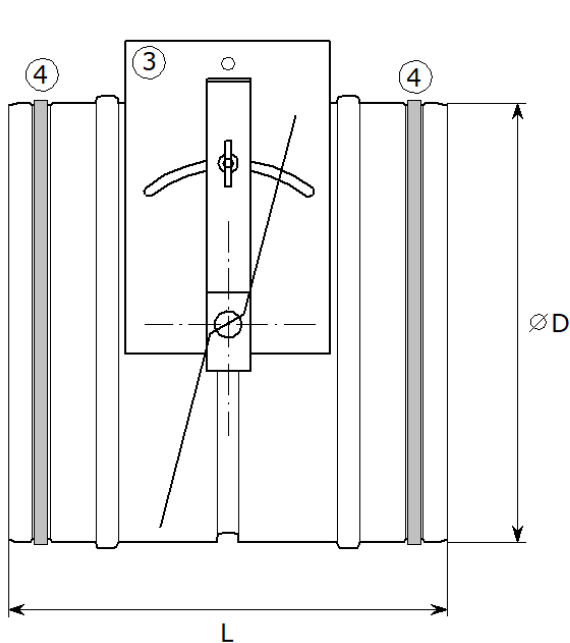
OBMOČJE UPORABE ELEKTROMOTORJEV / APPLICATION RANGE FOR ACTUATORS:

velikost / size	100	125	140	160	180	200	250	315	355	400	450	500
motor / actuator	LM											NM

DIMENZIJE / DIMENSIONS:

	Ø D	L
100	98	200
125	123	
140	138	
160	158	
180	178	
200	198	240
250	248	
315	313	
355	353	
400	498	
450	448	
500	498	

1. ohišje / casing
2. lamela / blade
3. nosilec ročice ali pogona / handle or actuator bracket
4. OPCIJA: gumijasto tesnilo / OPTION: seal rubber ring

**NAČIN NAROČANJA / HOW TO ORDER:**

ODL	315	E + LM230A	tesnilo
			dodatki / supplements LD - gumijasto tesnilo / seal rubber ring
			pogon / drive R - centralni ročni pogon / central manual drive E - pripravljeno za elektromotorni pogon / ready for electromotor drive E + BELIMO ... - montiran elektromotorni pogon / mounted electromotor drive
			dimenzija / dimension standard 100, 125, 140, 160, 180, 200, 250, 315, 355, 400, 450, 500 poljubna / optional
			tip lopute / type of damper



OZL

OKROGLA ZRAKOTESNA LOPUTA ROUND AIRTIGHT DAMPER

OPIS:

Zrakotesne lopute se uporabljajo za zapiranje dovoda ali odvoda zraka pri prezračevalnih sistemih, ki morajo zagotoviti visoko stanje čistosti v prostoru. Puščanje zraka ustreza razredu II po VDI 3803 ali DIN 24194, del 2.

KONSTRUKCIJA:

- okroglo ohišje
- lamela ovalne oblike z gumijastim tesnilom na obodu
- ročna ali elektromotorna nastavitvev lamel

MATERIAL:

- pocinkana pločevina
- nerjaveča pločevina INOX AISI 304

DODATKI:

- gumijasta tesnila v utorih na ohišju
- BELIMO elektro motor:
 - LM24A
 - NM24A
 - LM24A SR
 - NM24A SR
 - LM230A
 - NM230A
 - LM230A SR
 - NM230A SR

DESCRIPTION:

Airtight damper is used for the closing of air flow in ventilation systems that must ensure a high degree of air purity in the ventilated areas. According to VDI 3803 or DIN 24194, part 2 air leakage flow complies with Class II.

CONSTRUCTION:

- round casing
- oval shaped damper blade with rubber seal
- manual or electromotor control mechanism

MATERIAL:

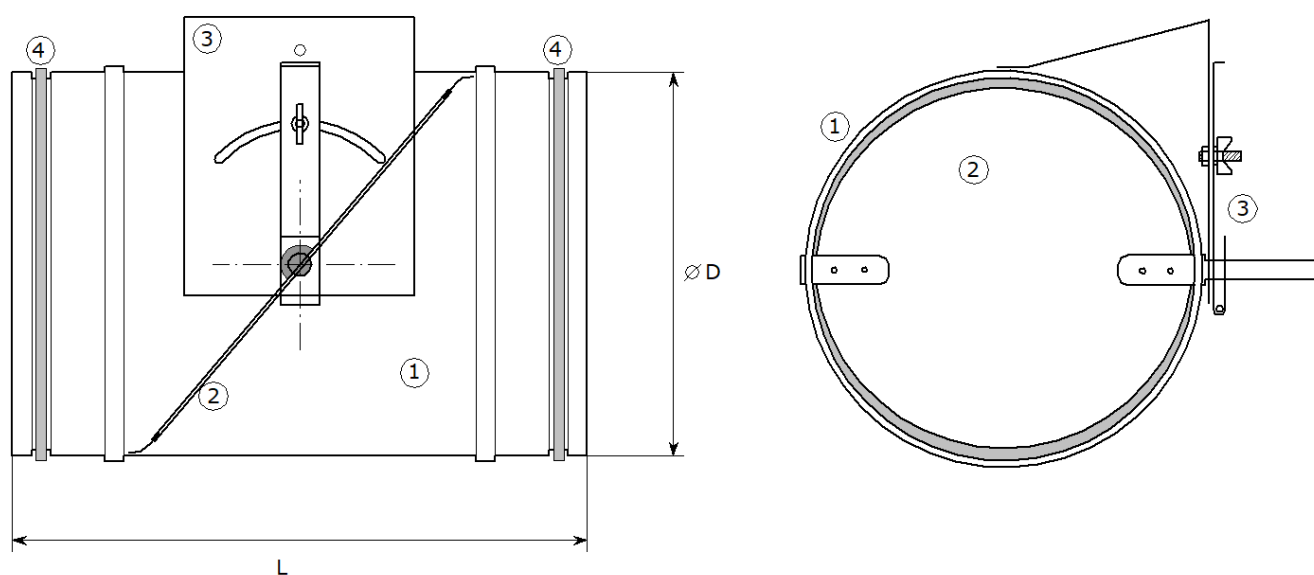
- galvanized sheet metal
- stainless steel sheet metal INOX AISI 304

SUPPLEMENTS:

- seal rubber rings in grooves on the casing
- BELIMO electric drive:
 - LM24A
 - NM24A
 - LM24A SR
 - NM24A SR
 - LM230A
 - NM230A
 - LM230A SR
 - NM230A SR

OBMOČJE UPORABE ELEKTROMOTORJEV / APPLICATION RANGE FOR ACTUATORS:

velikost / size	100	125	140	160	180	200	250	315	355
motor / actuator	LM						NM		

**DIMENZIJE / DIMENSIONS:**

	Ø D	L
100	98	300
125	123	
140	138	
160	158	
180	178	
200	198	
250	248	400
315	313	
355	353	
400	398	500

1. ohišje / casing
2. lamela / blade
3. nosilec ročice ali pogona / handle or actuator bracket
4. gumijasti tesnilni obroč / seal rubber ring

NAČIN NAROČANJA / HOW TO ORDER:

OZL	315	E + LM230A	
			dodatki / supplements LD - gumijasto tesnilo / rubber seal
			pogon / drive R - centralni ročni pogon / central manual drive E - pripravljeno za elektromotorni pogon / ready for electromotor drive E + BELIMO ... - montiran elektromotorni pogon / mounted electromotor drive
			dimenzija / dimension standard 100, 125, 140, 160, 180, 200, 250, 315, 355, 400 poljubna / optional
			tip lopute / type of damper



SL

SAMODVIŽNA LOPUTA SELF-CLOSING DAMPER

OPIS:

Okrogla samodvižna loputa za regulacijo zraka se namesti na strešni ventilator ali na strešni podstavek. V primeru ko se loputa pritrdi na strešni podstavek in strešni ventilator ni pripravljen za pritrditev lopute, se uporabi pritrdilna plošča.

MATERIAL: aluminijasta pločevina

DODATKI: plošča za montažo lopute iz pocinkane pločevine

DESCRIPTION:

A round self-closing air control damper is mounted on the roof fan or on the roof base. A mounting plate is used in the case where the damper is to be mounted on a roof pedestal and the roof fan is not ready for mounting.

MATERIAL: aluminium sheet metal

SUPPLEMENTS: damper mounting plate made from galvanized sheet metal

DIMENZIJE / DIMENSIONS:

SAMODVIŽNA LOPUTA SELF-CLOSING DAMPER				PLOŠČA ZA PRITRDITEV LOPUTE DAMPER MOUNTING PLATE				
dim	Ø D	Ø G	J	A	Ø K*	z x n	E*	y x n
290	182	219	173	290	205	M6 x 4	245	M10 x 4
395	252	300	173	395	280	M8 x 4	330	M12 x 4
545	358	415	233	545	395	M8 x 8	450	M12 x 4
615	403	474	256	615	450	M10 x 8	535	M12 x 4
695	503	578	306	695	540	M10 x 12	590	M14 x 4
885	633	708	366	885	690	M10 x 12	750	M14 x 4
1080	713	794	386	1080	770	M10 x 16	840	M14 x 4
* dimenzija se lahko prilagodi potrebam kupca / dimensions can be adjusted to the needs of customer								

NAČIN NAROČANJA / HOW TO ORDER:

SL	615 / 403	PL
		dodatki / supplements PL - plošča za pritrditev lopute / plate for damper mounting
	dimenzija / dimension standard: 290 / 182 395 / 252 545 / 358 615 / 403 695 / 503 885 / 633 1080 / 713 poljubna / optional	
	tip lopute / type of damper SL	



AR

AKUSTIČNA REŠETKA SOUND ATTENUATING GRILLE

OPIS:

Akustične rešetke nudijo vso zaščito, ki jo nudijo klasične rešetke (zaščita pred dežjem, ptiči, večjimi insekti...) poleg tega pa preprečujejo vdor zunanjih zvokov v notranjost objekta skozi dovodne odprtine in hkrati dušijo hrup prezračevalnih naprav na odvodnih odprtinah.

KONSTRUKCIJA:

- nosilni okvir
- lamele s polnilom iz zvočno absorpcijskega materiala
- zaščitna mreža 13x13mm proti ptičem

MATERIAL: pocinkana pločevina ali aluminijasta pločevina

DODATKI:

- VO – vgradni okvir
- poljubna barva po RAL lestvici

MONTAŽA: z vijaki

DESCRIPTION:

The sound attenuating grille provide all the protection functions of conventional protective grille (ingress of rain, birds, larger insects...) in addition to this the grille prevent ingress of outside noises into the building through supply openings and at the same time suppress the noise of ventilation system at exhaust openings.

CONSTRUCTION:

- supporting frame
- horizontal blades with sound attenuating filling
- protection net 13 x 13 mm

MATERIAL: galvanized sheet metal or aluminium sheet metal

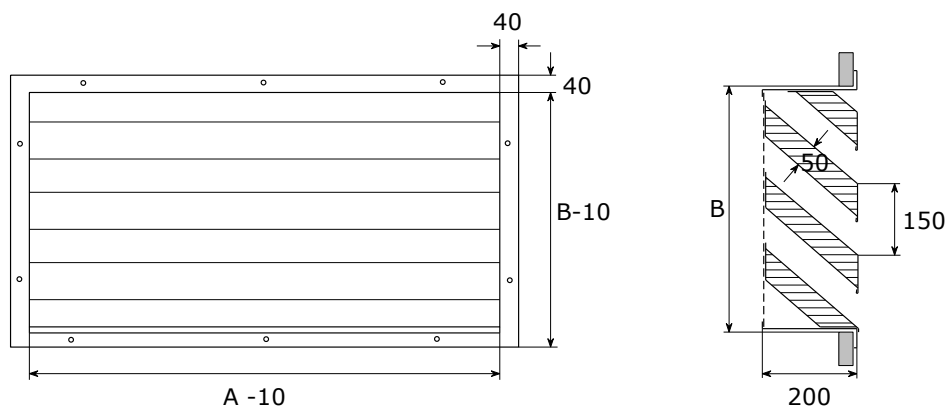
SUPPLEMENT:

- VO – build-in frame
- RAL colour

INSTALLATION: with screws

DIMENZIJE / DIMENSIONS:

Dimenziji A in B sta poljubni. / Dimensions A and B are optional



NAČIN NAROČANJA / HOW TO ORDER:

AR	1000	x	600	ZN	MREŽA
					dodatki / supplements zaščitna mreža / protection net VO – vgradni okvir / build-in frame material ZN, AL višina / height poljubna / optional širina / width poljubna / optional tip dušilnika zvoka / type of sound attenuator



DZ

DUŠILNIK ZVOKA SOUND ATTENUATOR

OPIS:

Dušilnik zvoka se uporablja za dušenje šuma ventilatorjev v prezračevalnih sistemih. Vgradimo ga na kvadratne in pravokotne kanale.

KONSTRUKCIJA: Dušilnik zvoka sestavljajo zunanji plašč s prirobnicami širine 20 mm ali 30 mm in dušilne kulise tipa K1, K2 ali K3 z usmerniki zraka. V okvirje dušilnih kulis iz pocinkane pločevine je vstavljeno polnilo iz mineralne volne. Izpostavljeni del polnila je zaščiteno s prevleko iz črnega steklenega voala. Standardna debelina izolacije je 100 ali 200 mm.

MATERIAL: pocinkana pločevina

MONTAŽA: s prirobnico

DESCRIPTION:

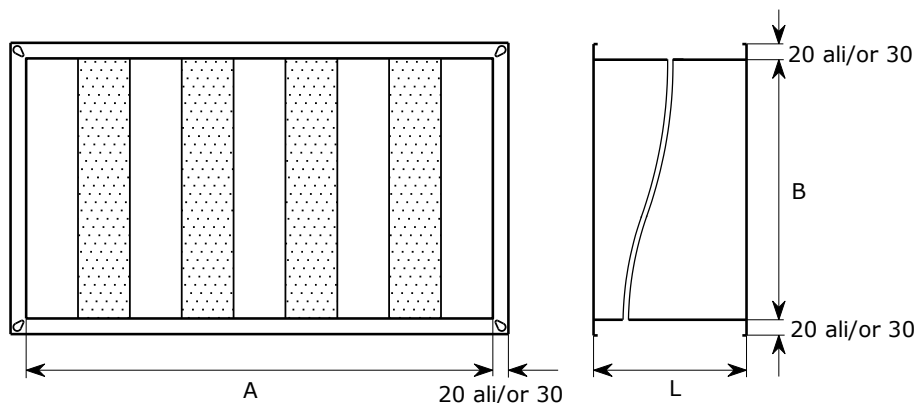
The sound attenuator is used to reduce the noise in industrial and civil conditioning and ventilation systems. It is installed in square and rectangular ducts and fans.

CONSTRUCTION: The silencer is made of an external casing with 20 mm or 30 mm flanges and acoustic panels type K1, K2 or K3 with air guidance. Acoustic panels are filled with mineral wool. Exposed surface of mineral wool is protected with black glass voile cover. Standard insulation thickness is 100 or 200 mm.

MATERIAL: galvanized sheet metal

INSTALLATION: with flange

DIMENZIJE / DIMENSIONS:



Dimenzije A, B in L so poljubne / Dimensions A, B and L are optional.

NAČIN NAROČANJA / HOW TO ORDER:

DZ	600	x	200	L=1500	K1	3	x	100
							širina kulise / acoustic panel width	
							100, 200	
							število kulis / No. of acoustic panels	
							tip kulise / type of acoustic panel	
							K1, K2, K3	
							dolžina L / length L	
							poljubna / optional	
							višina B / height B	
							poljubna / optional	
							širina A / width A	
							poljubna / optional	
							tip dušilnika zvoka / type of sound attenuator	



DUŠILNE KULISE ACOUSTIC PANELS

OPIS:

Dušilne kulise se uporabljajo zmanjševanje šuma ventilatorjev prezračevalnem kanalski sistemu. Vgradijo se v kvadratne ali pravokotne kanale.

KONSTRUKCIJA: Dušilne kulise so sestavljene iz okvirja iz pocinkane pločevine v katerega je vstavljeno polnilo za absorpcijo zvoka iz mineralne volne. Polnilo je negorljivo z območjem delovanja do 100°C. Izpostavljeni del polnila je zaščiteno s prevleko iz črnega steklenega voala, ki preprečuje odnašanje vlaken.

Lastnosti mineralne volne:

- Toplotna prevodnost λ (po SIST EN 12667): 0,035 W/mK
- Upornost zračnemu toku AF: ≥ 10 kPa·s/m

Kulise so standardnih debelin 100 in 200 mm. Debelina kulise 100 mm je primerna za manjše količine zraka in veliko dušenje zvoka pri višjih frekvencah. Debelina kulise 200 mm pa je primerna za večje količine zraka in veliko dušenje zvoka pri nizkih frekvencah.

Tipi dušilnih kulis:

STANDARD:

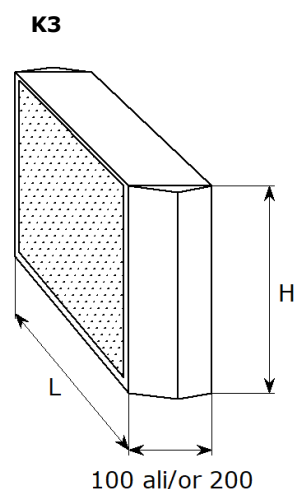
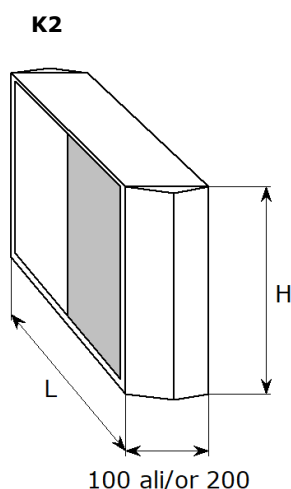
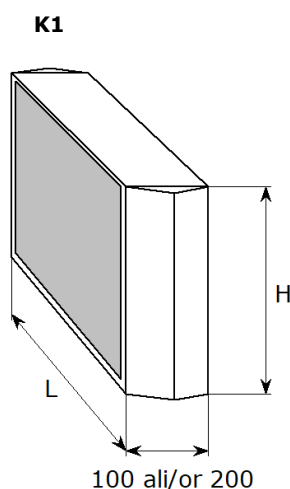
- **K1** – površina mineralne volne je zaščitena s prevleko iz črnega steklenega voala

OPCIJA:

- **K2** – površina mineralne volne je zaščitena s prevleko iz črnega steklenega voala in delno prekrita s pasovi iz pocinkane pločevine
- **K3** – površina mineralne volne je zaščitena s prevleko iz črnega steklenega voala in prekrita s perforirano pločevino za zaščito absorpcijskega materiala do temperature 300°C do 3 h

MATERIAL: pocinkana pločevina, mineralna volna

DIMENZIJE / DIMENSIONS:



Dimenziji L in H sta poljubni / Dimensions L and H are optional.

DESCRIPTION:

Acoustic panels are used to reduce the noise in industrial and civil conditioning and ventilation systems. They are installed in square and rectangular ducts and fans.

CONSTRUCTION: Acoustic panels are made of galvanized sheet metal frame filled with mineral wool which absorbs noise. They are designed to be incombustible with operating temperature up to 100°C. Exposed surface of mineral wool is protected by a black glass voile cover.

Properties of mineral wool:

- Thermal conductivity λ (as per SIST EN 12667): 0,035 W/mK
- Resistance to air flow AF: ≥ 10 kPa·s/m

Standard acoustic panel thicknesses are 100 and 200 mm. 100 mm acoustic panel is suitable for smaller air flow rates and high degree attenuation in high frequency range. 200 mm acoustic panel is suitable for large airflow rates and high degree attenuation in low frequency range.

Acoustic panel type:

STANDARD:

- **K1** – exposed surface of mineral wool is protected with black glass voile cover

OPTION:

- **K2** – exposed surface of mineral wool is protected with black glass voile cover and partly covered with galvanized sheet steel strips
- **K3** – exposed surface of mineral wool is protected with black glass voile cover and perforated sheet metal to protect the absorption material up to a temperature of 300°C for up to 3 h

MATERIAL: galvanized sheet metal, mineral wool

TEHNIČNI PODATKI / TECHNICAL DATA

Tabela za določitev sposobnosti dušenja zvoka D (dB) / Sound attenuation capacity D (dB) determination table

K1-100 L=500

Frekvenca Frequency (Hz)	Razmik med dušilnimi kulisami (mm) Distance between acoustic panels (mm)			
	40	60	100	200
63	2	3	3	0
125	4	4	3	1
250	9	8	5	3
500	15	13	11	8
1000	30	25	20	15
2000	43	36	23	10
4000	33	24	13	5
8000	25	18	8	6

K1-100 L=1000

Frekvenca Frequency (Hz)	Razmik med dušilnimi kulisami (mm) Distance between acoustic panels (mm)			
	40	60	100	200
63	5	4	3	1
125	8	7	4	3
250	18	14	8	5
500	29	24	18	12
1000	43	40	34	21
2000	48	45	35	14
4000	38	33	22	8
8000	30	23	14	7

K1-100 L=1500

Frekvenca Frequency (Hz)	Razmik med dušilnimi kulisami (mm) Distance between acoustic panels (mm)			
	40	60	100	200
63	6	6	4	2
125	10	8	5	3
250	26	22	13	7
500	39	33	26	17
1000	49	49	43	30
2000	50	50	45	19
4000	47	42	32	10
8000	39	34	20	8

K1-100 L=2000

Frekvenca Frequency (Hz)	Razmik med dušilnimi kulisami (mm) Distance between acoustic panels (mm)			
	40	60	100	200
63	8	7	5	3
125	13	11	6	5
250	35	29	18	11
500	48	43	34	23
1000	50	50	50	38
2000	50	50	50	25
4000	50	50	42	13
8000	47	40	26	10

K1-100 L=2500

Frekvenca Frequency (Hz)	Razmik med dušilnimi kulisami (mm) Distance between acoustic panels (mm)			
	40	60	100	200
63	9	8	6	4
125	15	14	8	5
250	40	35	20	13
500	50	45	39	28
1000	50	50	48	46
2000	50	50	50	30
4000	50	50	48	16
8000	49	47	31	12

K1-100 L=3000

Frekvenca Frequency (Hz)	Razmik med dušilnimi kulisami (mm) Distance between acoustic panels (mm)			
	40	60	100	200
63	12	9	8	5
125	21	17	9	6
250	48	42	26	15
500	50	50	40	33
1000	50	50	48	50
2000	50	50	50	34
4000	50	50	50	20
8000	50	48	35	13

TEHNIČNI PODATKI / TECHNICAL DATA

Tabela za določitev sposobnosti dušenja zvoka D (dB) / Sound attenuation capacity D (dB) determination table

K1-200 L=500

Frekvenca Frequency (Hz)	Razmik med dušilnimi kulisami (mm) Distance between acoustic panels (mm)			
	60	80	100	200
63	4	3	3	2
125	5	5	4	2
250	11	10	9	6
500	20	19	18	12
1000	28	25	24	14
2000	26	24	22	11
4000	18	16	15	7
8000	12	11	10	5

K1-200 L=1000

Frekvenca Frequency (Hz)	Razmik med dušilnimi kulisami (mm) Distance between acoustic panels (mm)			
	60	80	100	200
63	5	4	3	2
125	10	9	8	5
250	19	18	15	11
500	33	30	30	21
1000	48	45	40	24
2000	39	35	37	17
4000	28	26	23	11
8000	18	16	15	7

K1-200 L=1500

Frekvenca Frequency (Hz)	Razmik med dušilnimi kulisami (mm) Distance between acoustic panels (mm)			
	60	80	100	200
63	7	6	6	3
125	15	12	11	6
250	25	26	23	15
500	45	41	38	29
1000	50	49	43	34
2000	50	48	42	24
4000	48	33	28	13
8000	24	19	18	9

K1-200 L=2000

Frekvenca Frequency (Hz)	Razmik med dušilnimi kulisami (mm) Distance between acoustic panels (mm)			
	60	80	100	200
63	9	8	7	4
125	15	14	13	9
250	38	34	28	20
500	50	50	50	41
1000	50	50	50	45
2000	50	50	50	32
4000	38	37	36	18
8000	26	24	22	11

K1-200 L=2500

Frekvenca Frequency (Hz)	Razmik med dušilnimi kulisami (mm) Distance between acoustic panels (mm)			
	60	80	100	200
63	10	9	8	4
125	19	17	15	11
250	42	40	37	22
500	50	50	50	48
1000	50	50	50	48
2000	50	50	49	40
4000	45	43	38	22
8000	30	27	23	12

K1-200 L=3000

Frekvenca Frequency (Hz)	Razmik med dušilnimi kulisami (mm) Distance between acoustic panels (mm)			
	60	80	100	200
63	12	11	10	4
125	21	19	17	11
250	48	45	42	26
500	50	50	50	49
1000	50	50	50	50
2000	50	50	49	46
4000	50	50	45	23
8000	34	28	25	13

NAČIN NAROČANJA / HOW TO ORDER:

K1	600	x	200	x	100	V
						doc V - debelina 100, 200 višina H / height H poljubna / optional dolžina L / length L poljubna / optional tip dušilne kulise / type of acoustic panel K1, K2, K3

dodatki / supplements

V - usmernik zraka / air guidance element

debelina / thickness

100, 200

višina H / height H

poljubna / optional

dolžina L / length L

poljubna / optional

tip dušilne kulise / type of acoustic panel

K1, K2, K3



DZ-R

DZ-R-J

OKROGLI DUŠILNIK ZVOKA

CIRCULAR SOUND ATTENUATOR

OPIS:

Okrogli dušilnik zvoka se uporablja za dušenje šuma ventilatorjev. Priključimo ga na sesalno ali tlačno stran aksialnih ventilatorjev, sesalno stran radialnih ventilatorjev ali ga vgradimo v okrogle kanale.

KONSTRUKCIJA:

DZ-R - sestavlja zunanji plašč, notranji perforirani plašč in polnilo iz mineralne volne.

DZ-R-J sestavlja zunanji plašč, notranji perforirani plašč polnilo iz mineralne volne, dušilno jedro in prirobnica.

Izpostavljeni del polnila iz mineralne volne je zaščiten s prevleko iz črnega steklenega voala.

MATERIAL: pocinkana pločevina

MONTAŽA: priklop na cev z okroglim priključkom ali prirobnico

DESCRIPTION:

The circular sound attenuator is used to attenuate fan noise. It can be connected to the suction or pressure side of axial fans, the suction side of radial fans or it can be installed in circular ducts.

CONSTRUCTION:

DZ-R - consists of an outer casing, an inner perforated layer and a mineral wool filling.

DZ-R-J - consists of an outer casing, an inner perforated layer filled with mineral wool, a damping core and a flange.

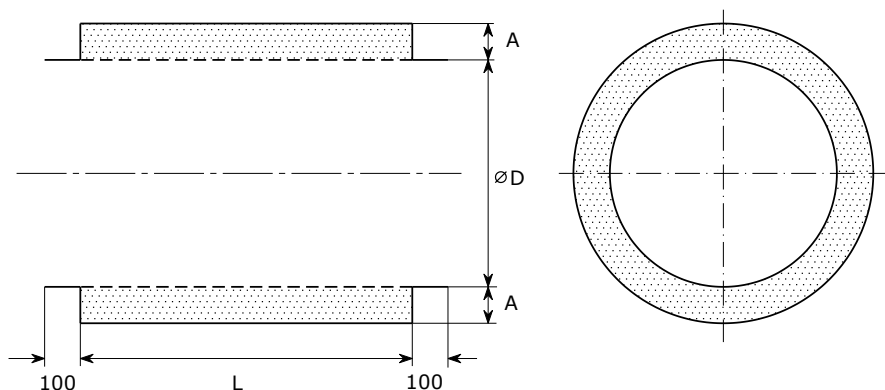
The exposed surface of mineral wool is protected with black glass voile cover.

MATERIAL: galvanized sheet metal

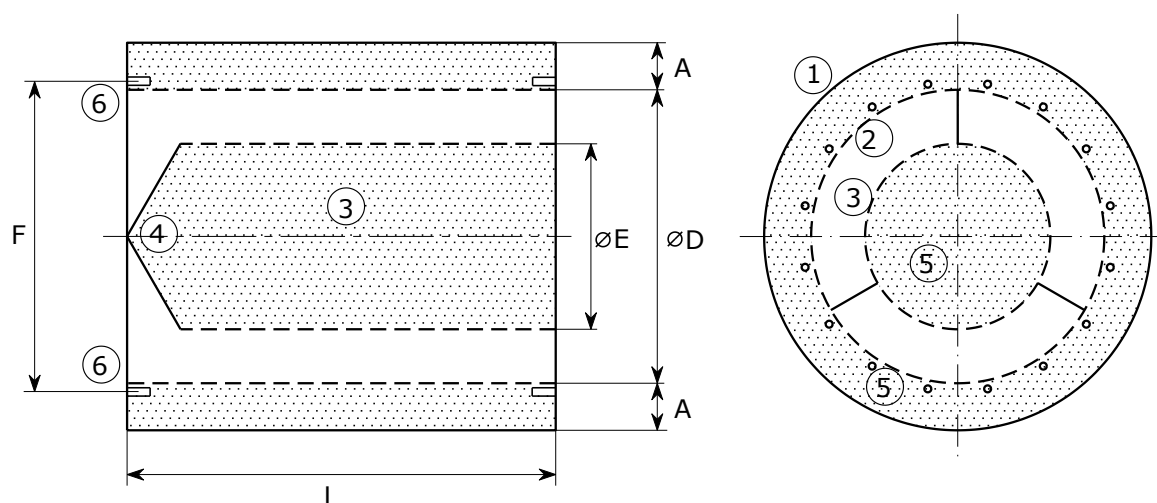
INSTALLATION: connection to the pipe with a round spigot or flange

DIMENZIJE / DIMENSIONS:

DZ-R okrogli dušilnik zvoka / circular sound attenuator



DZ-R	Ø D	L	A
100	100	500 1000 1200	50 100 200
125	125		
160	160		
180	180		
200	200		
250	250		
300	300		
315	315		
355	355		

DZ-R-J okrogli dušilnik zvoka z dušilnim jedrom in prirobnico / circular sound attenuator with core and flange

zunanji plašč / external casing

1. notranji perforirani plašč / inner perforated layer
2. jedro / core
3. usmernik zraka / air guidance
4. polnilo iz mineralne volne / mineral wool filling
5. vtisne matice / welded-on nuts

DZ-R-J	Ø D*	Ø E*	Ø F*	matice /nuts*	L*	A
400	400	250	440	2x 8x M8	500 1000 1500 2000	50 100 200
450	450	280	490			
500	500	315	540			
560	560	355	600	2x 12xM8		
630	630	400	670			
710	710	450	750			
800	800	500	840	2x 16xM8		
900	900	560	940			
1000	1000	630	1040			

*dimenzija se lahko prilagodi želji kupca / dimension can be customised to the customer's request

NAČIN NAROČANJA / HOW TO ORDER:

DZ-R-J	Ø 500	/	1000	F	ISO 100
					izolacija A / insulation A 50, 100, 200 mm montaža / installation / - s priključkom / with spigot F - s prirobnico / with flange dolžina L / length L standard 500, 1000, 1200, 2000 poljubna / optional dimenzija D / dimension D standard 100, 125, 160, 180, 200, 250, 300, 315, 355, 400, 450, 500, 560, 630, 710, 800, 900, 1000 poljubna / optional tip dušilnika zvoka / type of sound attenuator DZ-R DZ-R-J



MDZ

MEDPROSTORSKI TELESKOPSKI DUŠILNIK ZVOKA ROOM-TO-ROOM TELESCOPIC SOUND ATTENUATOR

OPIS:

Medprostorski teleskopski dušilnik zvoka je namenjen dušenju zvoka pri prehodu zraka skozi notranje stene objekta, najpogosteje pri prehodu iz sobe na hodnik. Teleskopska konstrukcija omogoča enostavno montažo in se prilagaja različnim debelinam sten.

KONSTRUKCIJA:

Dve enoti z dušilnimi kulisami, vsaka na svoji strani stene med seboj povezani z dvema vijakoma.

MATERIAL: pocinkana pločevina

BARVA : bela barva RAL 9010 MAT ali poljubna barva po RAL lestvici

DESCRIPTION:

The room-to-room telescopic silencer is designed to attenuate sound when air passes through the internal walls of a building, most commonly when passing from a room to a corridor. The telescopic construction allows easy installation and adapts to different wall thicknesses.

CONSTRUCTION:

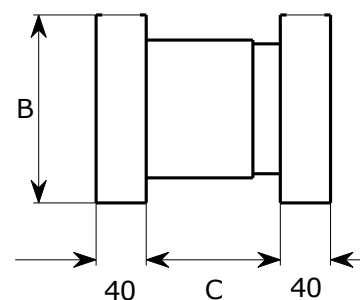
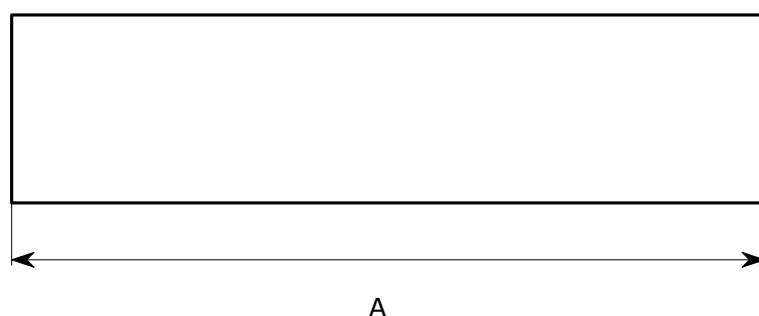
Two units with acoustic panels, each on its own side of the wall, connected to each other by two screws.

MATERIAL: galvanized sheet metal

FINISH: RAL 9010 MAT white, or any colour from the RAL palette

DIMENZIJE / DIMENSIONS:

	odprtina/opening	A	B	C
600	555 x 110	582	150	85 - 135
800	750 x 110	782	150	85 - 135



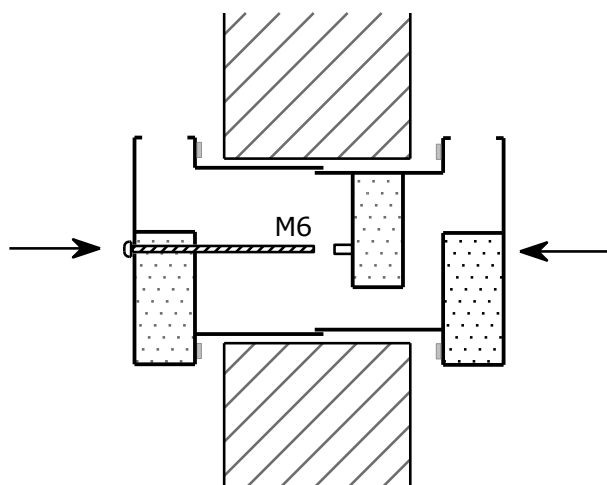
A

B

40

C

40

MONTAŽA / INSTALLATION:**NAČIN NAROČANJA / HOW TO ORDER:**

MDZ	600	RAL 9010 M
		barva / colour standard RAL 9010 MAT poljubna / optional
		dimenzija odprtine / dimension standard poljubna / optional
		tip dušilnika zvoka / type of sound attenuator



FK

PRAVOKOTNO OHIŠJE FILTRA RECTANGULAR FILTER BOX

OPIS:

Ohišje za vrečasti filter, ki se pritrdi direktno na prezračevalni kanal.

KONSTRUKCIJA:

- kanalsko ohišje s prirobnicami
- pokrov pritrjen z vijaki omogoča enostavno menjavo filtra
- na željo kupca se ohišje izolira. Med dve plasti pocinkane pločevine se vstavi 30 mm visoko plast mineralne volne

MATERIAL: pocinkana pločevina

DODATKI:

- kasetni filter
- vrečasti filter
- kasetni in vrečasti filter

MONTAŽA: s prirobnicami

DESCRIPTION:

A casing for a bag filter to be attached directly to the ventilation duct.

CONSTRUCTION:

- square casing with flanges
- the screw-fastened cover allows easy filter maintenance
- the casing is insulated at the customer's request. A 30 mm mineral wool is inserted between two layers of galvanized sheet metal

MATERIAL: galvanized sheet metal

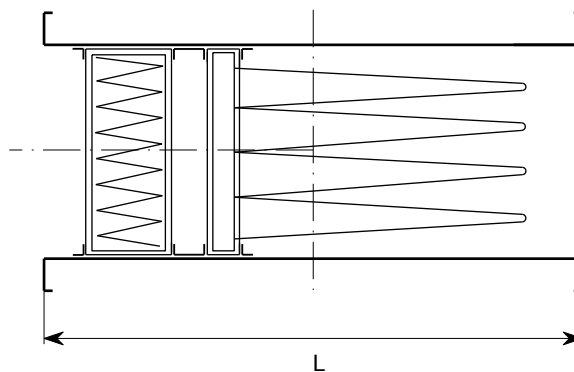
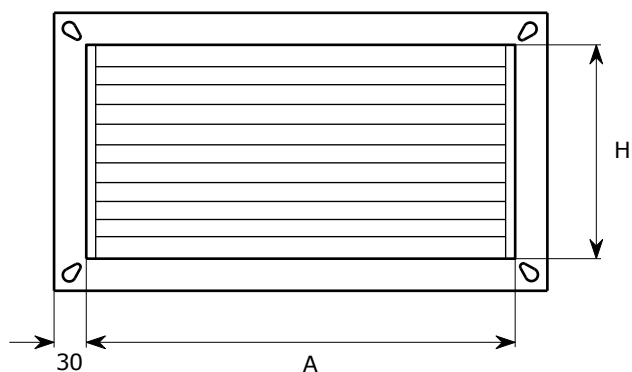
SUPPLEMENTS:

- cassette filter
- bag filter
- cassette and bag filter

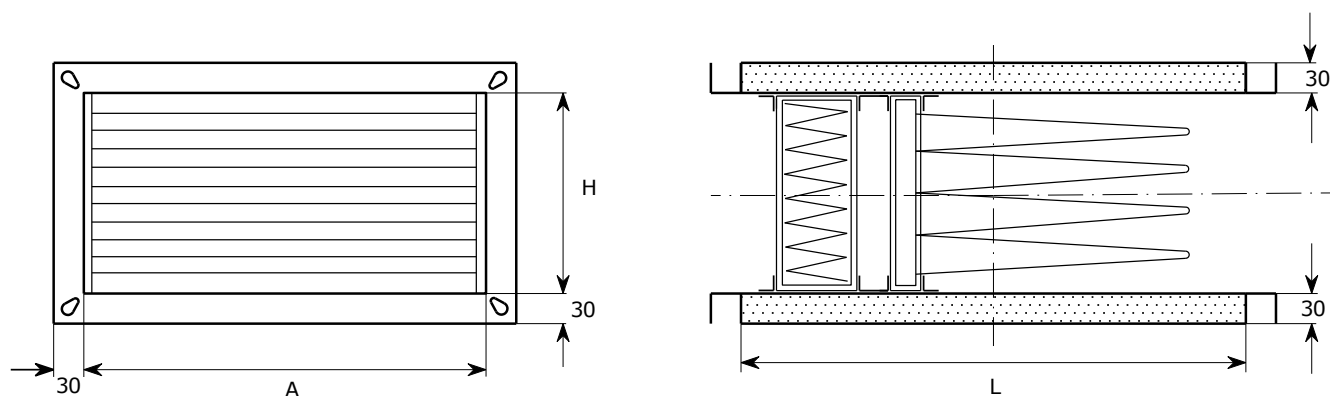
INSTALLATION: with flanges

DIMENZIJE / DIMENSIONS:

Neizolirano ohišje filtra / Non insulated filter box



Izolirano ohišje filtra / Insulated filter box



	A	H	L	
300 - 150	300	150	402	
400 - 200	400	200	502	
500 - 250	500	250	532	
500 - 300	500	300	562	
600 - 300	600	300	642	820
600 - 350	600	350	717	
700 - 400	700	400	787	
800 - 500	800	500	882	
1000 - 500	1000	500	882	
1200 - 600	1200	600	820	

NAČIN NAROČANJA / HOW TO ORDER:

FK	600-300	ISO
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		dodatki / supplements ISO - izoliran / insulated F1 - filter vreča / filter bag F2 - kasetni filter / cassette filter F3 - kasetni filter in filter vreča / cassette filter and filter bag
		dimenzija / dimension standard poljubno / optional
		tip ohišja / filter box type



FR

OKROGLO OHIŠJE FILTRA ROUND FILTER BOX

OPIS:

Ohišje za vrečasti in/ali kasetni filter, ki se pritrdi direktno na prezračevalno cev.

KONSTRUKCIJA:

- ohišje
- 2 okrogli priključni odprtini
- pokrov pritrjen s kovinskimi zaponkami omogoča enostavno menjavo filtra
- profil za fiksiranje položaja filtra

MATERIAL: pocinkana pločevina

DODATKI:

- vrečasti filter
- kasetni filter
- gumijasto tesnilo na priključnih odprtinah

OPCIJA:

- na zahtevo kupca se ohišje filtra izdelava poljubni dimenziji
- na zahtevo kupca se ohišje filtra pobarva v poljubno barvo po RAL lestvici

DESCRIPTION:

Filter box for bag and/or cassette filters that attaches directly to the ventilation tube.

CONSTRUCTION:

- casing
- 2 round connection openings
- cover fixed by metal toggle fasteners allows easy filter maintenance
- profile for fixing the filter position

MATERIAL: galvanized sheet metal

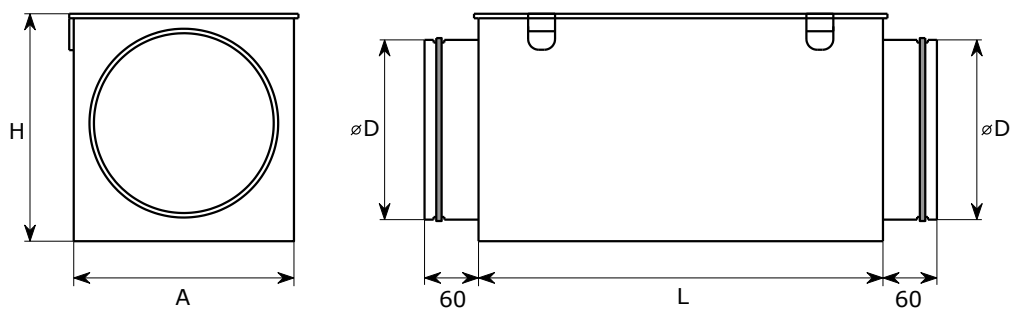
SUPPLEMENTS:

- filter bag
- cassette filter
- seal rubber ring on spigots

OPTION:

- at the customer's request, the filter box can be made in any dimensions
- at the customer's request, the filter box can be painted in any RAL colour

DIMENZIJE / DIMENSIONS:



	øD	A	H	L
100	98	200	203	450
125	123	200	203	450
150	148	200	203	450
160	158	200	203	450
200	198	245	248	450
250	248	295	298	500
315	313	345	348	550
355	353	445	448	650
400	398	445	448	650

NAČIN NAROČANJA / HOW TO ORDER:

FR	250	F1 / LD
----	-----	---------

dodatki / supplements**F1** - filter vreča / filter bag**F2** - kasetni filter / cassette filter**F3** - kastni filter in filter vreča / cassette filter and filter bag**LD** - gumijasto tesnilo / rubber seal**dimenzija / dimension**

standard 100, 125, 150, 160, 200, 250, 315, 355, 400

poljubno / optional

tip ohišja / filter box type



FS

KVADRATNO OHIŠJE FILTRA SQUARE FILTER BOX

OPIS:

Ohišje za vrečasti filter, ki se pritrdi direktno na prezračevalni kanal.

KONSTRUKCIJA:

- kanalsko ohišje s prirobnicami
- pokrov pritrjen z vijaki omogoča enostavno menjavo filtra
- na željo kupca se ohišje izolira. Med dve plasti pocinkane pločevine se vstavi 30 mm plast mineralne volne

MATERIAL: pocinkana pločevina

DODATKI:

- kasetni filter
- vrečasti filter
- kasetni in vrečasti filter

MONTAŽA: s prirobnicami

DESCRIPTION:

A casing for a bag filter to be attached directly to the ventilation duct.

CONSTRUCTION:

- square casing with flanges
- the screw-fastened cover allows easy filter maintenance
- the casing is insulated at the customer's request. A 30 mm mineral wool is inserted between two layers of galvanized sheet metal

MATERIAL: galvanized sheet metal

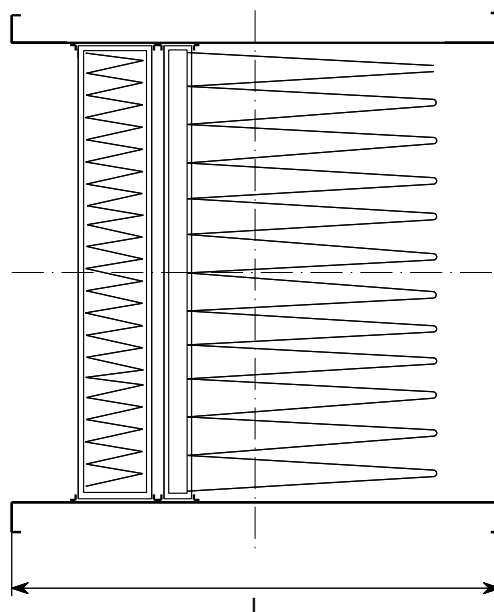
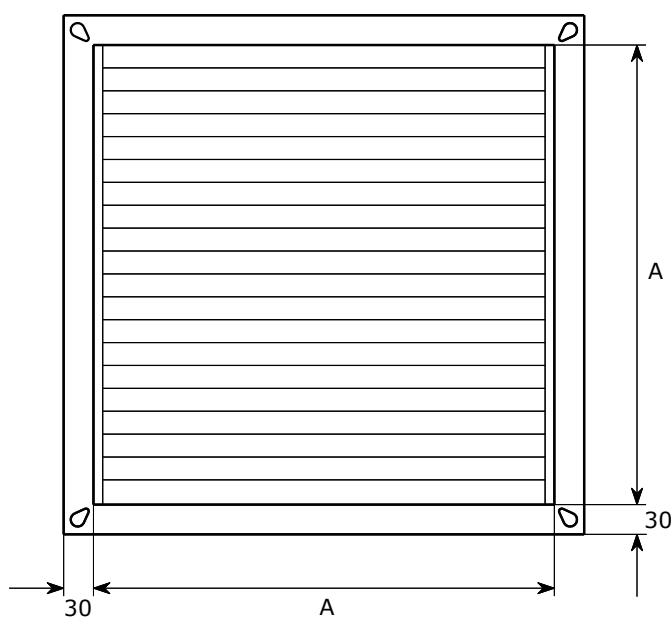
SUPPLEMENTS:

- cassette filter
- bag filter
- cassette and bag filter

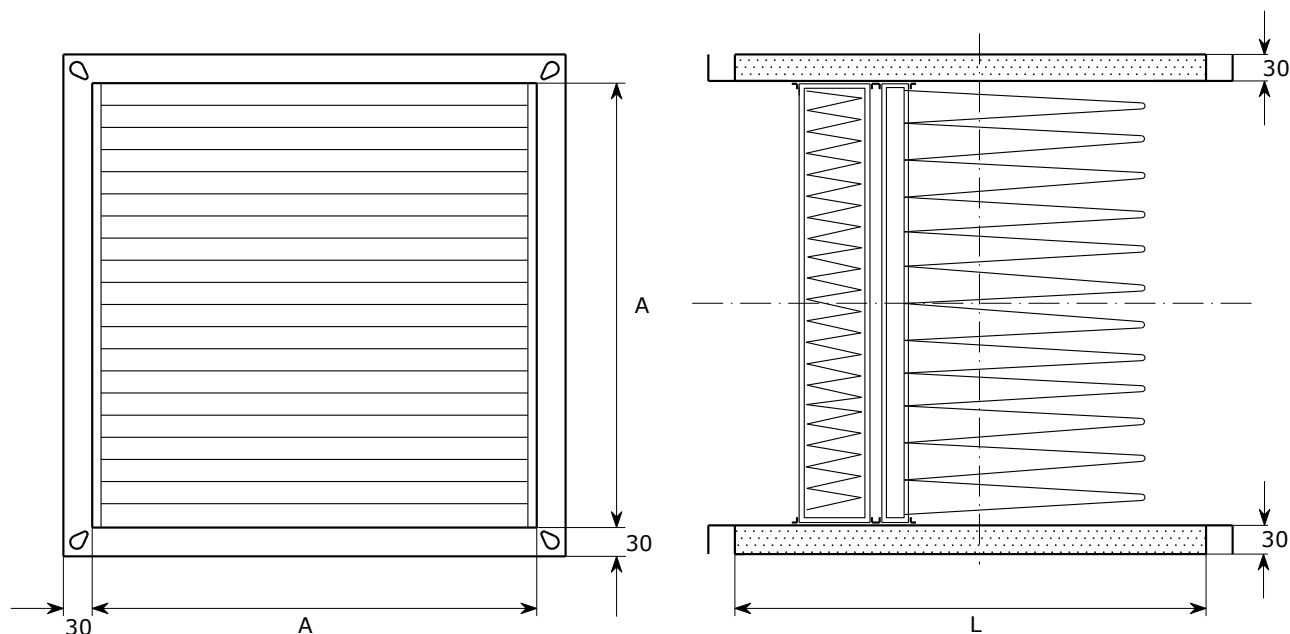
INSTALLATION: with flanges

DIMENZIJE / DIMENSIONS:

Neizolirano ohišje filtra / Non insulated filter box



Izolirano ohišje filtra / Insulated filter box



A	L
450	502
500	532
550	562
600	820
650	642
700	642

Na zahtevo kupca se ohišje filtra izdelava v poljubni dimenziji.

At the customer's request, the filter box can be made in any dimensions.

NAČIN NAROČANJA / HOW TO ORDER:

FS	600	F3/ISO
----	-----	--------

		dodatki / supplements ISO izoliran / insulated F1 - filter vreča / filter bag F2 - kasetni filter / cassette filter F3 - kasetni filter in filter vreča / cassette filter and filter bag dimenzija / dimension standard 450, 500, 550, 600, 650, 700 tip ohišja / filter box type
--	--	---



DK

DEFLEKTOR KVADRATNI DEFLECTOR SQUARE

OPIS:

Strešni element za vertikalni odvod zraka, s kvadratnim priklopom na prezračevalni kanal, z zaščitno mrežo 13x13 mm in odprtinami za odvod vode.

MATERIAL:

- pocinkana pločevina
- nerjaveča pločevina INOX AISI 304
- nerjaveča pločevina INOX AISI 316L

BARVA:

na željo kupca poljubna barva po RAL lestvici

MONTAŽA:

- brez prirobnice direktno na prezračevalni kanal
- s prirobnico

DIMENZIJE / DIMENSIONS:

DESCRIPTION:

Roof element for vertical air extraction, with square connection to the ventilation duct, with 13x13 mm mesh and drainage holes.

MATERIAL:

- galvanized sheet metal
- stainless steel sheet metal INOX AISI 304
- stainless steel sheet metal INOX AISI 316L

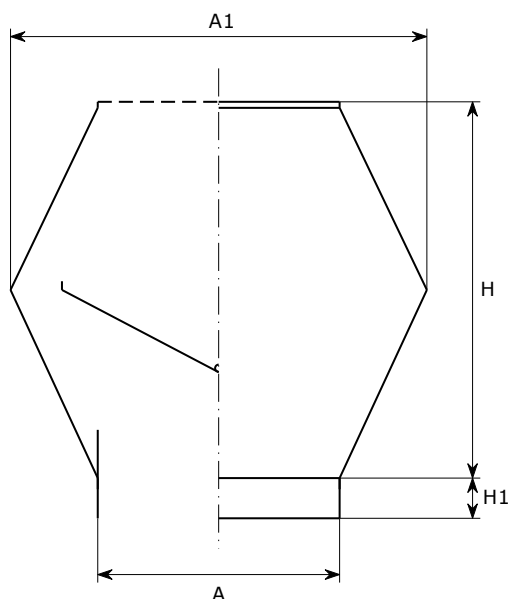
FINISH:

any RAL colour according to the customer's request.

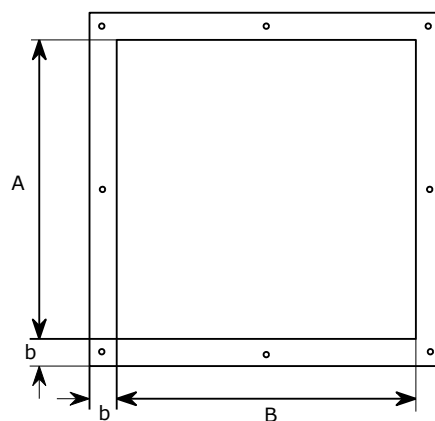
INSTALLATION:

- fitting to a ventilation duct without flange
- with flange

	A	A1	H	H1	a	b	t
200	203	332	228	100 ali poljubno or optional	7	35	3
300	303	497	342				
400	403	663	456				
500	503	828	568		9,5	45	4
600	603	994	682				
700	703	1159	796				
800	803	1325	910				
900	903	1490	1022				
1000	1003	1656	1136		11,5	50	5
1100	1103	1821	1250				
1200	1203	1987	1364				



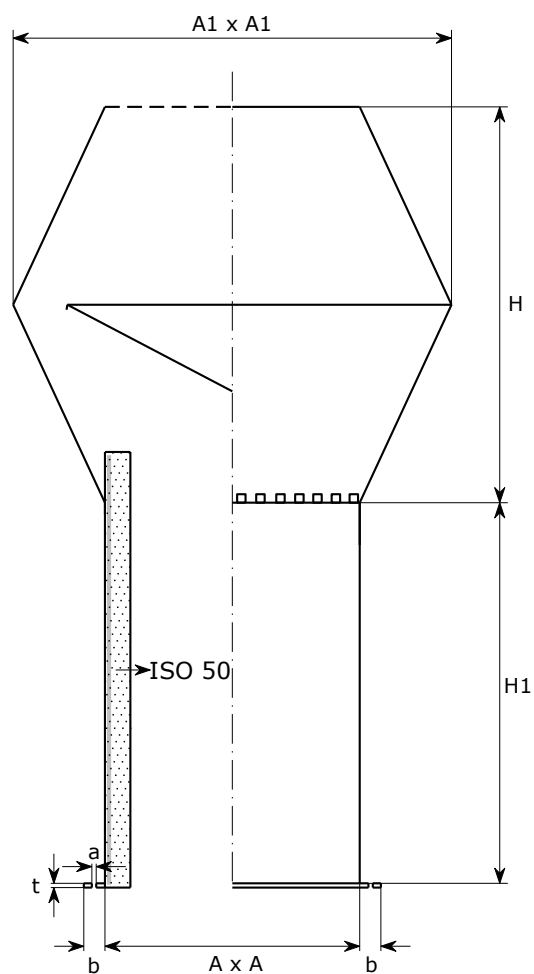
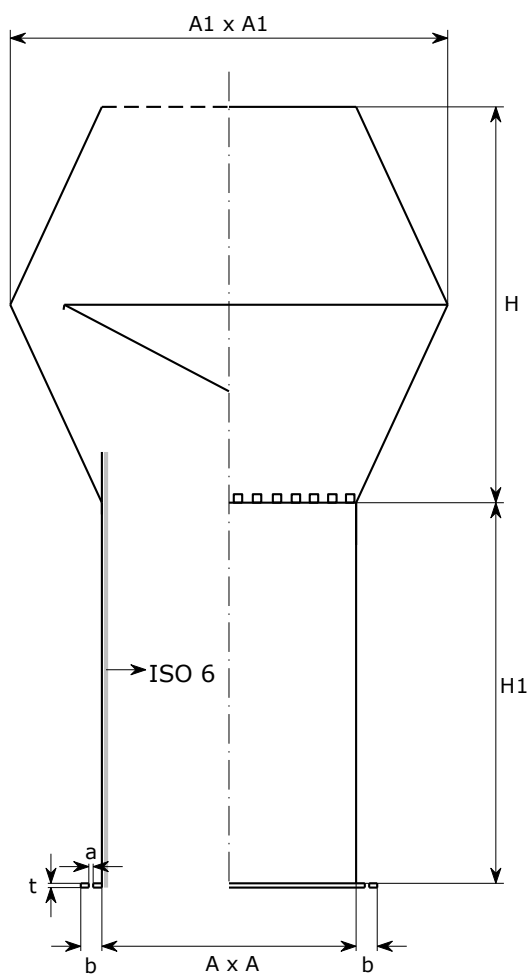
BP – PRIROBNICA / FLANGE:



DODATKI in OPCIJE / ACCESSORIES and OPTIONS:

H1=... podaljšan kanal / extended duct
ISO 6 proti kondenzacijsko izoliran kanal
 condensation-proof insulated duct

H1=... podaljšan kanal / extended duct
ISO 50 proti kondenzacijsko in zvočno izoliran kanal
 condensation-proof and acoustically insulated duct



NAČIN NAROČANJA / HOW TO ORDER:

DK	600	H1=100	ZN	BP	/	/
						barva / colour
					izolacija / insulation ISO 6 proti kondenzacijska anti-condensation ISO 50 proti kondenzacijska in zvočna acoustic and anti-condensation	
				montaža / installation / brez prirobnice / without flange BP s prirobnico / with a flange		
			material ZN INOX AISI 304 INOX AISI 316L			
		dolžina kanala / length of the duct standard H1=100 poljubno / optional H1=...				
	dimenzija / dimension poljubno / optional					
tip deflektorja / diffuser type						



DO

DEFLEKTOR OKROGLI DEFLECTOR ROUND

OPIS:

Strešni element za vertikalni odvod zraka, primeren za okrogli zračni kanal iz spiralno robljenih cev, z zaščitno mrežo 13x13 mm in odprtini za odvod vode.

MATERIAL:

- pocinkana pločevina
- nerjaveča pločevina INOX AISI 304
- nerjaveča pločevina INOX AISI 316L

BARVA: na željo kupca poljubna barva po RAL lestvici

MONTAŽA:

- nasaditev na cev
- OPCIJA: pritrditev s prirobnico na betonska tla

DESCRIPTION:

Roof element for vertical air outlet, suitable for circular air duct made of spiral-edged tubes, with 13x13 mm protective mesh and drainage openings.

MATERIAL:

- galvanized sheet metal
- stainless steel sheet metal INOX AISI 304
- stainless steel sheet metal INOX AISI 316L

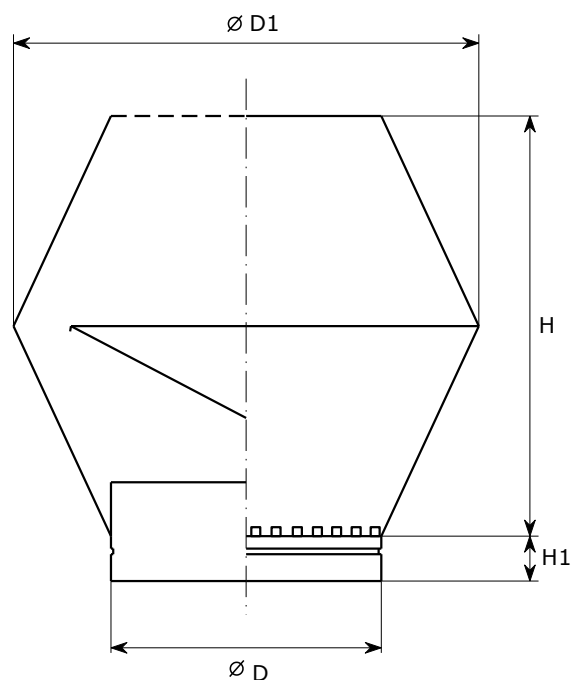
FINISH: any RAL colour according to the customer's request.

INSTALLATION:

- fitting to a pipe
- OPTION: installation with flange to concrete floor

DIMENZIJE / DIMENSIONS:

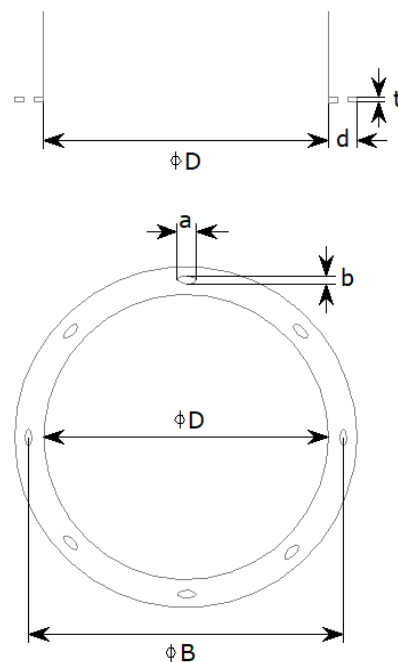
	Ø D (mm)	Ø D1 (mm)	H (mm)	H1 (mm)	Q (m3/h)
200	203	332	228	100 ali poljubno / or optional	1200
250	253	414	284		1800
315	318	522	358		2900
355	358	588	404		3600
400	403	663	456		4600
450	453	745	512		5800
500	503	828	568		7100
560	563	927	636		8700
600	603	994	682		10200
630	633	1043	716		11300
710	713	1176	806		14300
800	803	1325	910		18100
900	903	1490	1022		23000



OPCIJA / OPTION:

pritrnitev s prirobnico na betonska tla
 installation with flange to concrete floor

Ø D (mm)	Ø B (mm)	a x b (mm)	Vijaki Bolts		Prirobnica Flange
			kos/pcs	dim	d x t (mm)
160	205	7 x 12	6	M6	35 x 3
200	245				
250	295				
315	360				
350	395				
400	445				
500	555	9,5 x 14,5	12	M8	45 x 4
600	655				
700	755				
800	855				
900	955				
			16		

**NAČIN NAROČANJA / HOW TO ORDER:**

DO	315	ZN		
		material ZN INOX AISI 304 INOX AISI 316L	barva / colour poljubno / optional	O – pritrnitev na cev / fitting to a pipe BP – s prirobnico / with flange
		dimenzija / dimension standard poljubno / optional		
		tip deflektorja / diffuser type		



DP

DEFLEKTOR PRAVOKOTNI DEFLECTOR RECTANGULAR

OPIS:

Strešni element za vertikalni odvod zraka, s pravokotnim priklopom na prezračevalni kanal, z zaščitno mrežo 13x13 mm in odprtinami ter cevko za odvod vode.

MATERIAL:

- pocinkana pločevina
- nerjaveča pločevina INOX AISI 304
- nerjaveča pločevina INOX AISI 316L

BARVA:

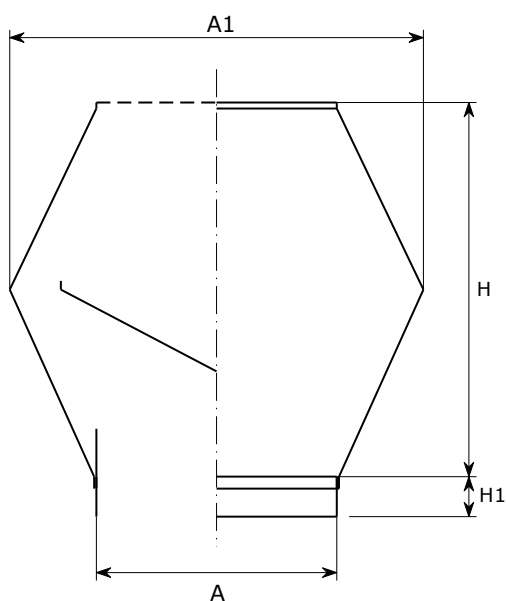
na željo kupca poljubna barva po RAL lestvici

MONTAŽA:

- brez prirobnice direktno na prezračevalni kanal
- s prirobnico

DIMENZIJE:

Dimenzije A, B in H1 so poljubni.
Maksimalna dimenzija A x B je 1200x2400 mm



DESCRIPTION:

Roof element for vertical air extraction, with rectangular connection to the ventilation duct, with 13x13 mm mesh and drainage pipe and holes.

MATERIAL:

- galvanized sheet metal
- stainless steel sheet metal INOX AISI 304
- stainless steel sheet metal INOX AISI 316L

FINISH:

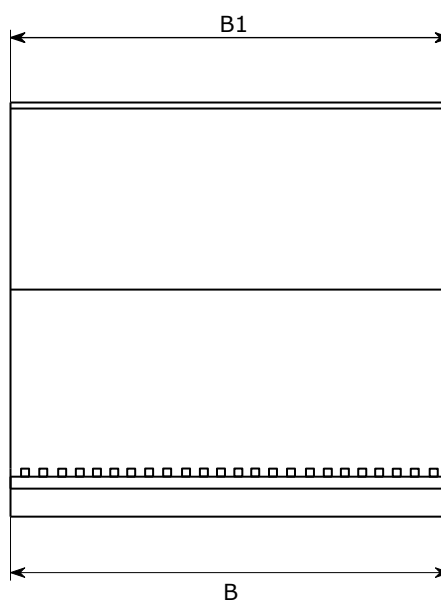
any RAL colour according to the customer's request.

INSTALLATION:

- fitting to a ventilation duct without flange
- with flange

DIMENSIONS:

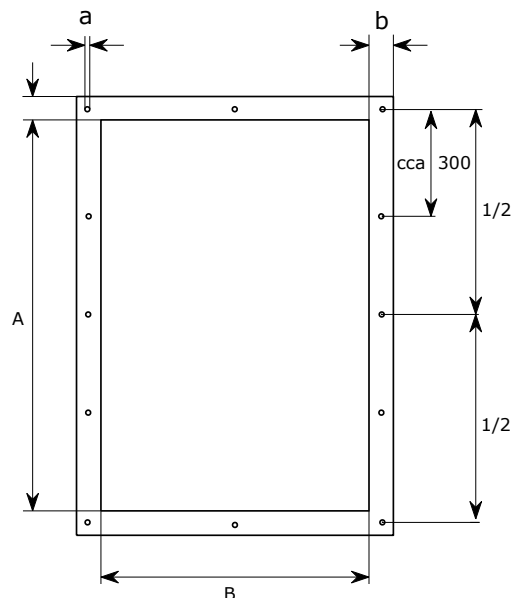
Dimensions A, B and H1 are optional.
The maximum dimension A x B is 1200x2400 mm



DODATKI in OPCIJE / ACCESSORIES and OPTIONS:

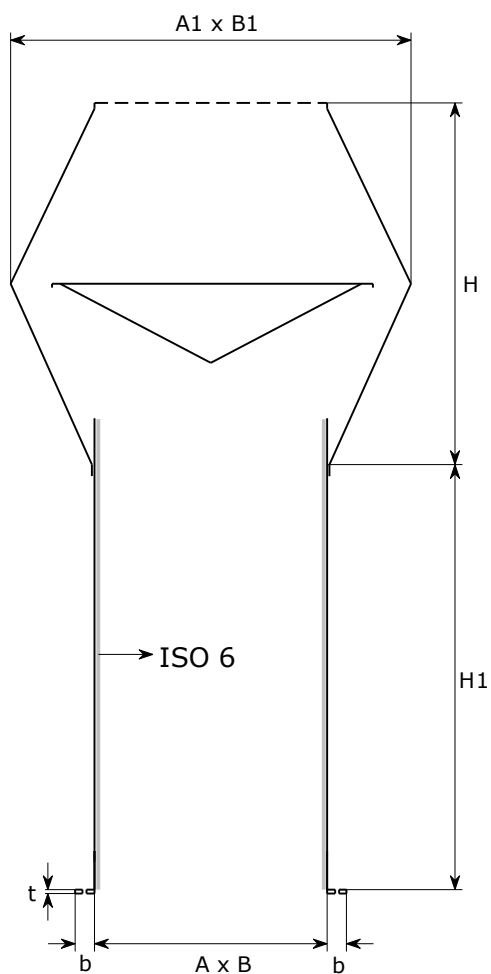
BP - PRIROBNICA / FLANGE:

velikost / size	a	b	t
$A+B \leq 800$	7	35	3
$800 < A+B \leq 1800$	9,5	45	4
$1800 < A+B \leq 2400$	11,5	50	5
$A+B > 2400$	11,5	50	6



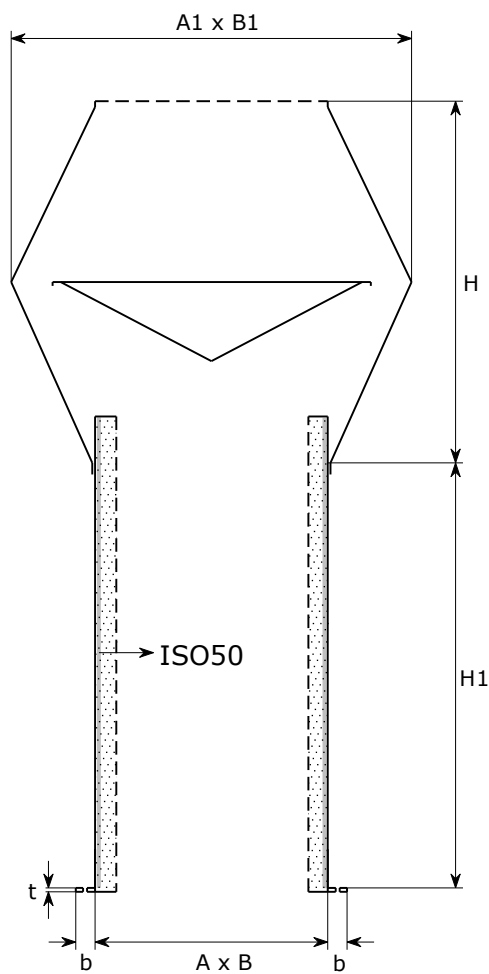
H1=... podaljšan kanal / extended duct

ISO 6 proti kondenzacijsko izoliran kanal
condensation-proof insulated duct



H1=... podaljšan kanal / extended duct

ISO 50 proti kondenzacijsko in zvočno izoliran kanal
condensation-proof and acoustically insulated duct



NAČIN NAROČANJA / HOW TO ORDER:

DP	600 x1200	H1=100	ZN	BP	/	/
						barva / colour
					izolacija / insulation	
					ISO 6 proti kondenzacijska	
					anti-condensation	
					ISO 50 proti kondenzacijska in zvočna	
					acoustic and anti-condensation	
				/ brez prirobnice / without flange		
				BP s prirobnico / with a flange		
			material			
			ZN			
			INOX AISI 304			
			INOX AISI 316L			
		dolžina kanala / length of the duct				
		standard H1=100				
		poljubno / optional H1=...				
	dimenzija / dimension					
	poljubno / optional					
tip deflektorja / diffuser type						



RS

STREŠNI PODSTAVEK ROOF SOCKET

KONSTRUKCIJA:

- kvadratno ohišje z izbiro dveh višin
- termična in akustična izolacija z notranje strani z mineralno volno debeline 50 mm. Izpostavljeni del izolacije je zaščiten s prevleko iz črnega steklenega voala.
- **RS-R** dodana kvadratna plošča za pritrditev podstavka na ravno streho
- **RS-P** dodani profili za pritrditev podstavka na poševno streho
- **RS-R-K** dodane dušilne kulise in kvadratna plošča za pritrditev podstavka na ravno streho
- **RS-P-K** dodane dušilne kulise in profili za pritrditev podstavka na poševno streho

MATERIAL:

- ZN - pocinkana pločevina
- AL - aluminijasta pločevina

DODATKI:

- PP - perforirana pločevina preko mineralne volne kot ognjevarna zaščita do temperature 600 °C
- PL - plošča za pritrditev lopute
- SL - samodvižna loputa

CONSTRUCTION:

- square casing with a choice of two heights
- thermal and acoustic insulation on the inner side with 50 mm mineral wool. Exposed surface of mineral wool is protected with black glass voile cover.
- **RS-R** added square plate for fixing the roof socket to the flat roof
- **RS-P** added mounting profiles for fixing the roof socket to the inclined roof
- **RS-K-R** added acoustic panels and a square plate for fixing the base to the flat roof
- **RS-K-P** added acoustic panels and mounting profiles for fixing the roof socket to the inclined roof

MATERIAL:

- ZN - galvanized sheet metal
- AL - aluminium sheet metal

SUPPLEMENTS:

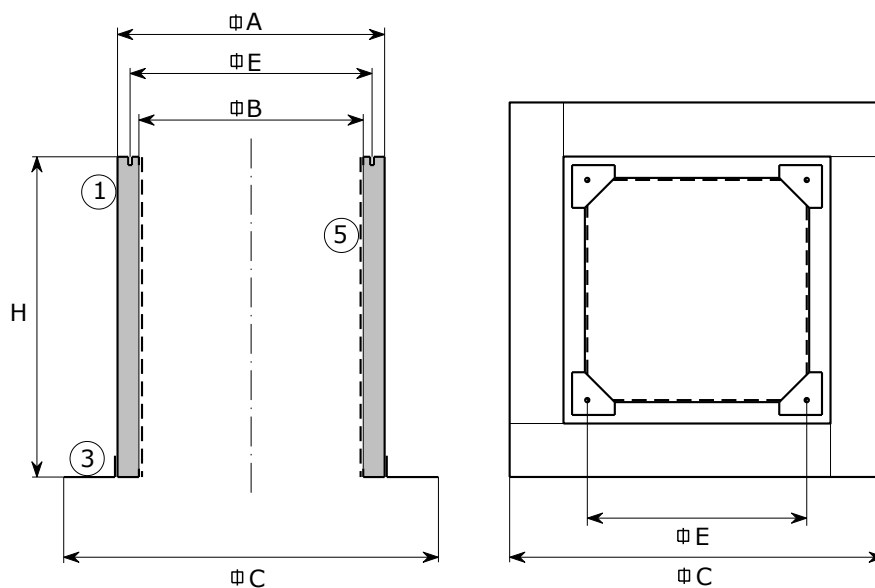
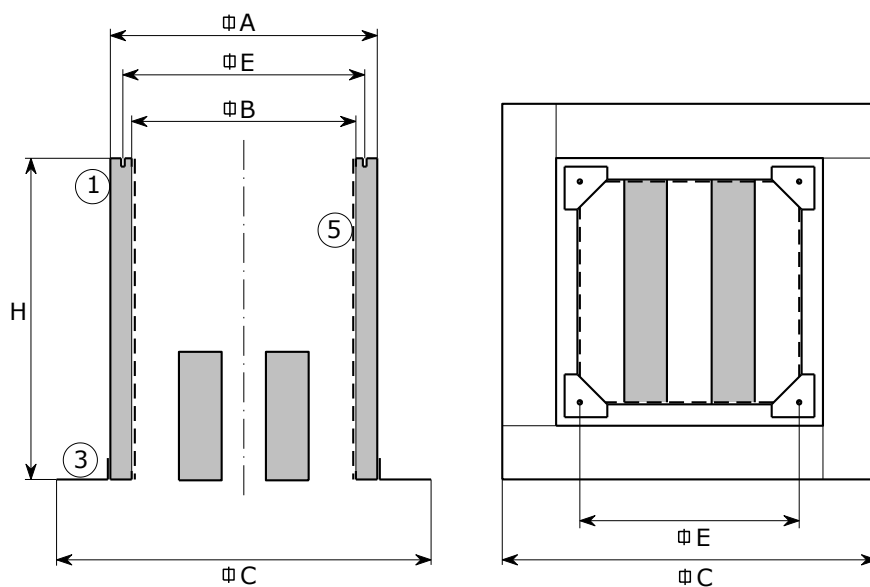
- PP - perforated sheet over mineral wool as fire protection up to 600 °C
- PL - plate for damper installation
- SL - self-closing damper

DIMENZIJE / DIMENSIONS

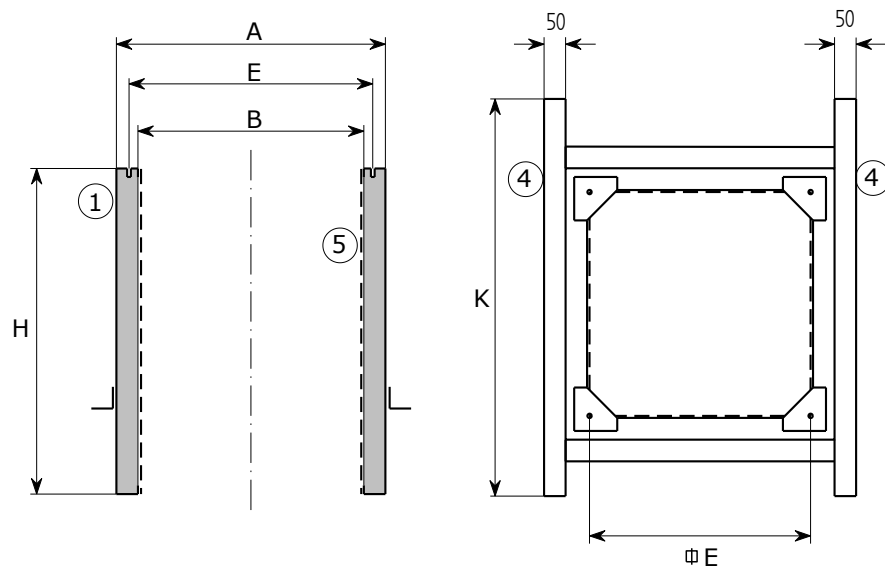
dim	A	B	C	E	H		K
290	290	188	470	245	300	750	500
395	395	293	600	330	300	750	600
545	545	443	725	450	300	750	750
615	615	513	795	535	300	750	820
695	695	593	875	590	300	1000	900
885	885	783	1065	750	300	1000	1100
1080	1080	978	1260	840	300	1000	1300

Vse dimenzije se lahko prilagodijo potrebam kupca / All dimensions can be adjusted to the customer's needs

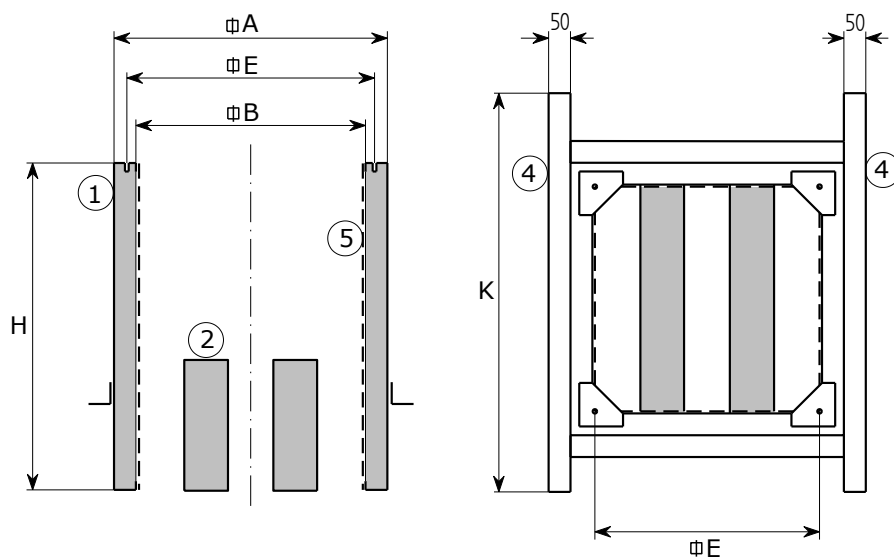
1. izolirano ohišje 50 mm
isolated casing 50 mm
2. dušilna kulisa
acoustic panel
3. plošča za ravno streho
plate for flat roof
4. profili za pritrditev podstavka na poševno streho
mounting profile socket for inclined roofs
5. OPCIJA - perforirana pločevina za ognjevarno zaščito
OPTION - perforated plate for burn prevention

RS-R**RS-R-K**

RS-P



RS-P-K



NAČIN NAROČANJA / HOW TO ORDER:

RS-R	615	/	750	ZN	PP
dodatki / supplements PP - perforirana pločevina preko izolacije / perforated sheet over insulation PL - plošča za pritrditev lopute / plate for damper mounting SL - samodvižna loputa / self-closing damper					
material ZN, AL					
višina / height standard poljubna / optional					
dimenzija / dimension standard 290, 395, 545, 615, 695, 885, 1080 poljubna / optional					
tip / type RS-R RS-P RS-R-K RS-P-K					



SP-K

PRAVOKOTNI STOLPNI PREZRAČEVALNIK RECTANGULAR AIR TOWER

OPIS:

Pravokotni stolpni prezračevalnik se uporablja za dovod in odvod zraka.

KONSTRUKCIJA: stolpni prezračevalnik je sestavljen iz pravokotnega ohišja, perforirane mreže, lamel in zaključne kape, ki je lahko ravna ali koničasta. Na zahtevo kupca se lahko mreža na izbranih straneh zapre (tip B1, B2, C).

MATERIAL:

- ZN - pocinkana pločevina + RAL barva
- INOX nerjaveča pločevina

MONTAŽA: s prirobnico na betonsko podlago

DODATKI / SUPPLEMENTS:

DESCRIPTION:

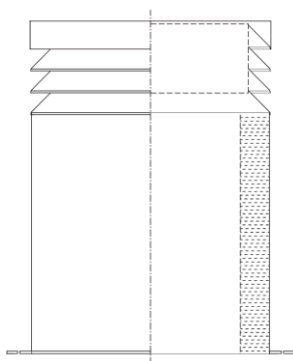
The rectangular air tower is used for the supply of fresh air or for the exhaust of outlet air.

CONSTRUCTION: air tower consists of a rectangular casing, perforated sheet, blades and a cap. Cap is available in two forms: flat or pointed. At the customer's request, the perforated sheet can be closed on selected sides (type B1, B2, C).

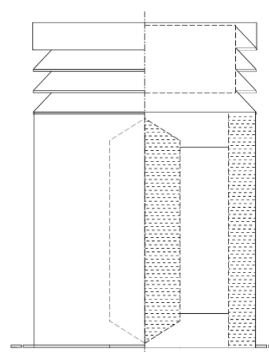
MATERIAL:

- Zn - galvanized sheet metal + RAL colour
- INOX stainless steel sheet metal

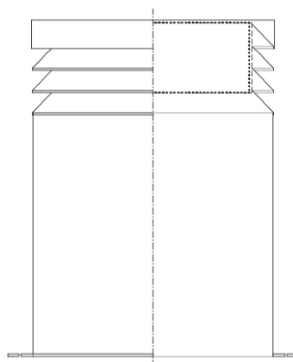
INSTALLATION: with flange on concrete base



50 ali 100 mm zvočno in proti kondenzacijsko izoliran kanal
50 or 100mm acoustically and condensation-proof insulated casing

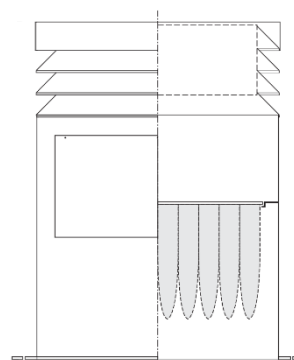


Dušilne kulise $D \geq 400$ mm
Acoustic panels $D \geq 400$ mm



Mreža proti insektom z odprtini 2,5 x 2,5 mm, skupaj z revizijskimi vrati, ki omogoča čiščenje mreže.

Insect net with 2.5 x 2.5 mm large holes and revision door to allow cleaning of the net.



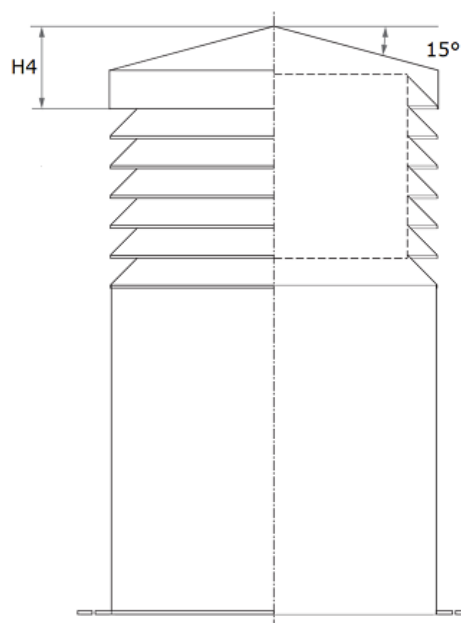
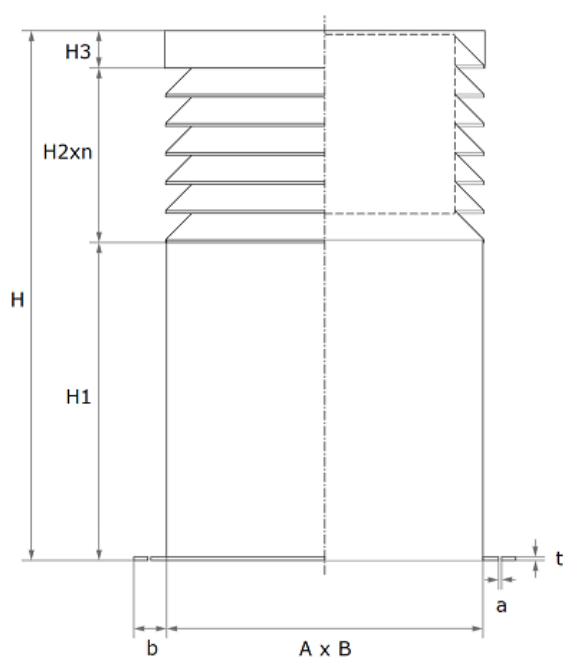
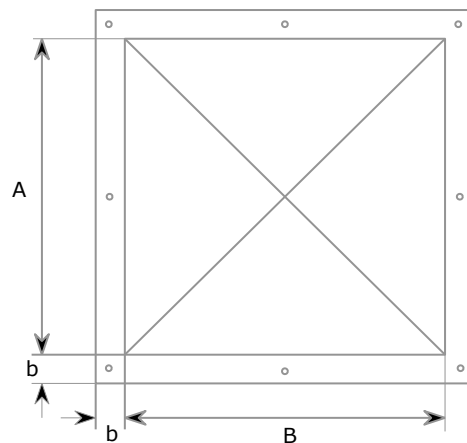
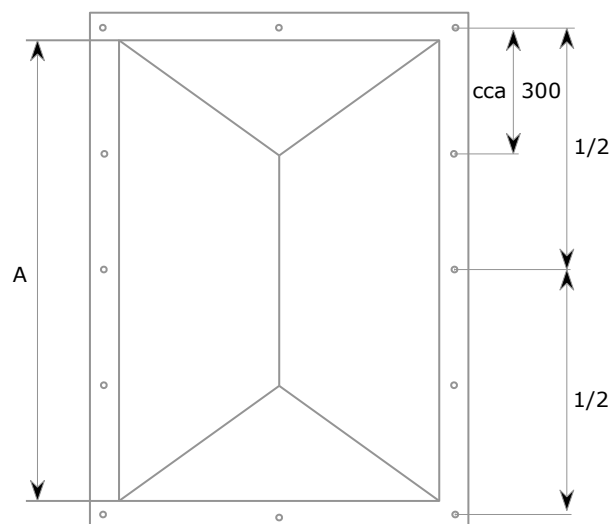
Revizijska vrata in vrečasti filter $D > 500$ mm
Revision door and filter bag $D > 500$ mm

DIMENZIJE / DIMENSIONS:

A x B	H4	H3	H2	H1
200	70	43	23	poljubno optional
300	83			
400	114	61	41	
500	128			
600	159	79	59	
700	172			
800	204	97	77	
900	217			
1000	231			
1100	262	115	95	
1200	275			
1300	289			
1400	302			
1500	315	133	113	
1600	347			
1700	360			
1800	373			
1900	387			
2000	400			

velikost / size	a	b	t
$A+B \leq 800$	7	35	3
$800 < A+B \leq 1800$	9,5	45	4
$1800 < A+B \leq 2400$	11,5	50	5
$A+B > 2400$	11,5	50	6

Maksimalna dimenzija A x B je 2000x2000 mm
The maximum dimension A x B is 2000x2000 mm.



SP-K

4 stranice odprte
4 sides open

**SP-K-B1**

3 stranice odprte
3 sides open

**SP-K-B2**

3 stranice odprte
3 sides open

**SP-K-C**

2 stranici odprti
2 sides open

**TEHNIČNI PODATKI / TECHNICAL DATA:**

Tehnični podatki se preračunajo za vsako dimenzijo posebej preko izbornega programa dostopnega na:
The technical data is calculated for each dimension separately using the selection software available at:

<https://izdelki.kosanc.si>

NAČIN NAROČANJA / HOW TO ORDER:

SP-K	800	x	800	H=1000	N=5	ZN	RAL 9010 M	ISO 50	1200 m³/h	dovod
										smer zraka air direction dovod ali odvod inlet or outlet
										količina zraka / air volume dodatki / supplements ISO 50 - izoliran plašč 50 mm / insulated casing 50 mm ISO100 - izoliran plašč 100 mm / insulated casing 100 mm K1 - dušilne kulise / acoustic panels F1 - filter vreča / filter bag IM - mreža proti mrčesu / insect net RV - revizijska vrata / revision door
										barva / colour material ZN, INOX 304, INOX 316
										število lamel / number of blades višina H / height H poljubna / optional dimenzija B / dimension B poljubna 200-2000 / optional 200-2000 dimenzija A / dimension A poljubna 200-2000 / optional 200-2000
										tip stolpnega prezračevalnika / type of air tower SP-K – odprte 4 stranice / 4 sides open SP-K-B1 – odprte 3 stranice, zaprta daljša stranica / 3 sides open, longer side closed SP-K-B2 – odprte 3 stranice, zaprta krajša stranica / 3 sides open, shorter side closed SP-K-C – odprti 2 stranici / 2 sides open



SP-R

OKROGLI STOLPNI PREZRAČEVALNIK ROUND AIR TOWER

OPIS:

Okrogli stolpni prezračevalnik se uporablja za dovod in odvod zraka.

KONSTRUKCIJA: stolpni prezračevalnik je sestavljen iz cevastega ohišja, lamel in zaključne kape, ki je lahko ravna, koničasta ali poševna.

MATERIAL:

- ZN - pocinkana pločevina + RAL barva
- INOX nerjaveča pločevina

MONTAŽA: s prirobnico na betonsko podlago ali opcija - z vijaki direktno na priključno odprtino prezračevalne cevi

DESCRIPTION:

The round air tower is used for the supply of fresh air or for the exhaust of outlet air.

CONSTRUCTION: air tower consists of a casing, blades and a cap. Cap is available in three forms: flat, pointed or diagonal.

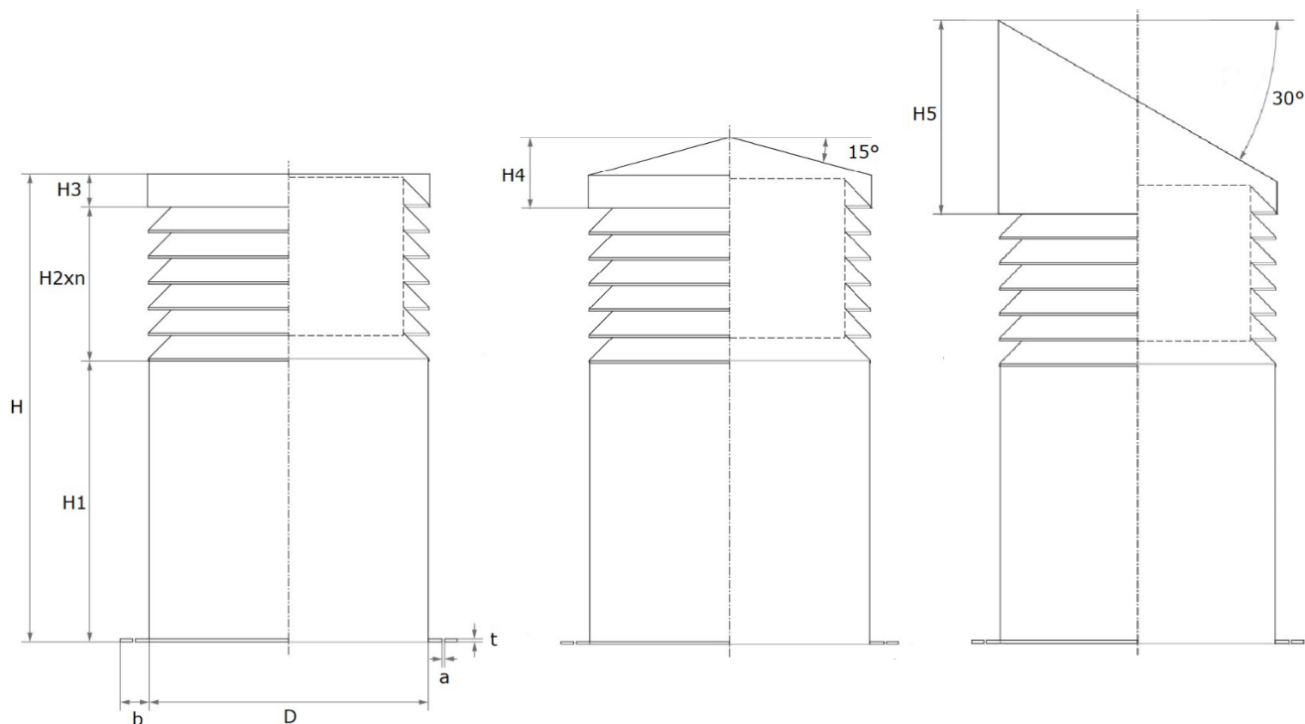
MATERIAL:

- Zn - galvanized sheet metal + RAL colour
- INOX stainless steel sheet metal

INSTALLATION: with flange on concrete base or option - with screws directly to the ventilation pipe connection opening.

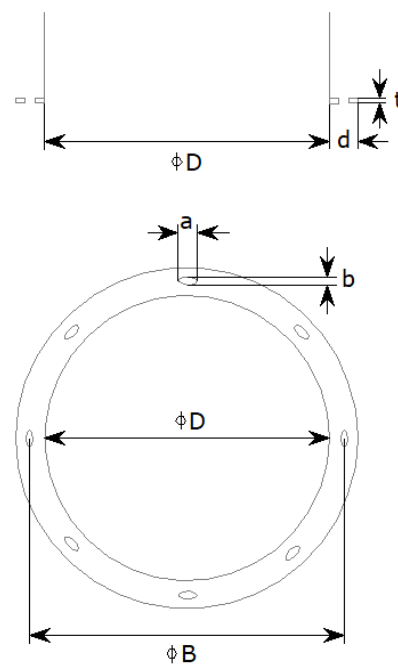
DIMENZIJE / DIMENSIONS:

Ø D	160	200	250	315	350	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	
H5	132	155	184	239	260	288	364	422	480	555	613	689	747	804	880	938	996	1053	
H4	52	58	64	91	96	103	134	147	161	192	206	237	250	264	295	309	322	335	
H3	31			49			67			85			103			121			
H2	21			39			57			75			93			111			
H1	poljubno / optional																		



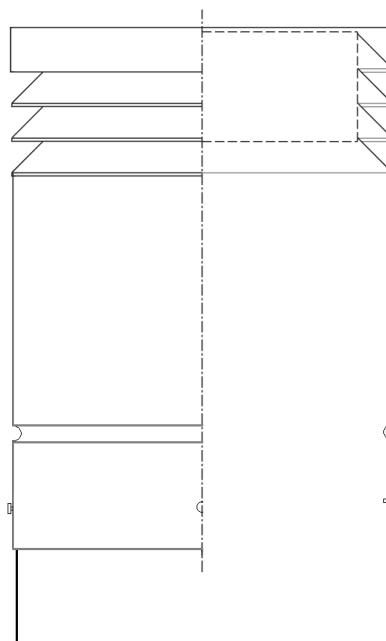
MONTAŽA S PRIROBNICO / INSTALLATION WITH FLANGE

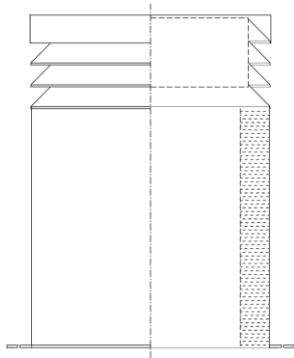
Ø D (mm)	Ø B (mm)	a x b (mm)	Vijaki Bolts		Prirobnica Flange
			kos/pcs	dim	d x t (mm)
160	205	7 x 12	6	M6	35 x 3
200	245				
250	295				
315	360				
350	395				
400	445				
500	555	9,5 x 14,5	12	M8	45 x 4
600	655				
700	755				
800	855				
900	955				
1000	1060	11,5 x 16,5	24	M10	50 x 5
1100	1160				50 x 6
1200	1260				
1300	1360				
1400	1460				
1500	1560				
1600	1660				

**MONTAŽA NA CEV BREZ PRIROBNICE
INSTALLATION ON PIPE WITHOUT FLANGE**

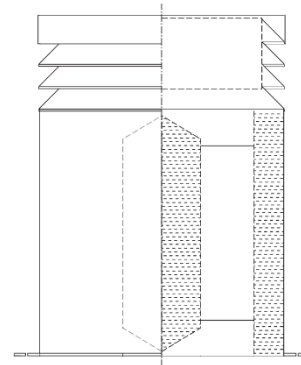
SP-R se standardno dobavi s prirobnico. Do dim D=315 mm se lahko na željo kupca izdelava brez prirobnice. Prezračevalnik, nasadimo na prezračevalno cev in pritrdimo z vsaj 3 vijaki.

The SP-R is supplied with a flange as standard. Up to D=315 mm it can be manufactured without a flange per customer's request. The air tower is placed on the ventilation pipe and fixed with at least 3 screws.

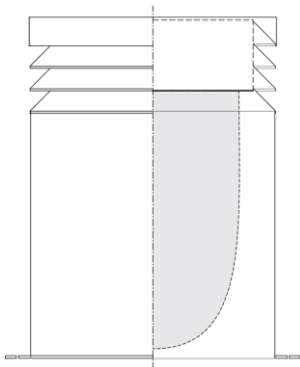


DODATKI / SUPPLEMENTS:

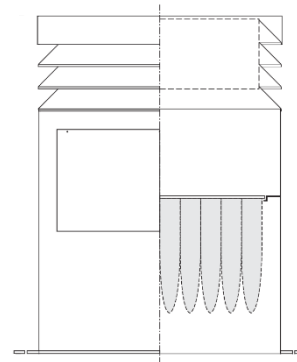
50 ali 100 mm zvočno in proti kondenzacijsko izolirana cev
50 or 100 mm acoustically and condensation-proof insulated tube



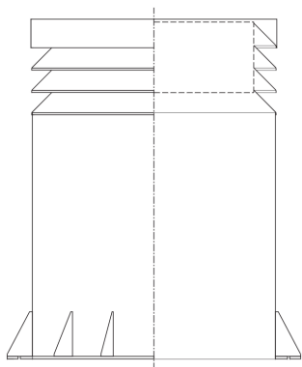
Okroglo dušilno jedro $D \geq 600$ mm
Round sound attenuating core $D \geq 600$ mm



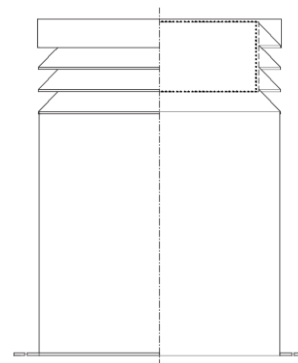
Snemljiva kapa in vrečasti filter $D=160-500$ mm
Removable cap and filter bag for dimensions $D=160 - 500$ mm



Revizijska vrata in vrečasti filter $D=600-1600$ mm
Revision door and filter bag $D=600-1600$ mm



Pri $H > 4000$ mm priporočamo prirobnico širine 100mm in trikotne ojačitve za večjo stabilnost
At $H > 4000$ mm we recommend 100mm wide flange and triangular reinforcements for increased stability.



Mreža proti insektom z odprtinami $2,5 \times 2,5$ mm. $D \leq 500$ mm skupaj s snemljivo kapo, $D \geq 600$ skupaj z revizijskimi vrati, ki omogoča čiščenje mreže.
Insect net with 2.5×2.5 mm large holes. $D \leq 500$ mm with removable cap, $D \geq 600$ with revision door to allow cleaning of the net.

TEHNIČNI PODATKI / TECHNICAL DATA:

Tehnični podatki se preračunajo za vsako dimenzijo posebej preko izbornega programa dostopnega na:
The technical data is calculated for each dimension separately using the selection software available at:

<https://izdelki.kosanc.si>

NAČIN NAROČANJA / HOW TO ORDER:

SP-R	400	H=800	N=5	ZN	RAL 9010M	ISO 50	1200 m³/h		dovod
									smer zraka air direction dovod ali odvod inlet or outlet montaža / installation 0 - s prirobnico (standard) with flange (standard) CEV - na cev / on pipe količina zraka / air volume dodatki / supplements ISO 50 - izoliran plašč 50 mm / insulated casing 50 mm ISO100 - izoliran plašč 100 mm / insulated casing 100 mm DJ - dušilno jedro / sound attenuating core F1 - filter vreča / filter bag IM - mreža proti mrčesu / insect net TO - trikotne ojačitve / triangular reinforcements RV - revizijska vrata / revision door barva / colour material ZN, INOX 304, INOX 316 število lamel / number of blades višina H / height H poljubna / optional dimenzija / dimension standard: 160, 200, 250, 315, 350, 400, 500, 600, 800, 1000, 1200, 1300, 1400, 1500, 1600 poljubna / optional tip stolpnega prezračevalnika / type of air tower