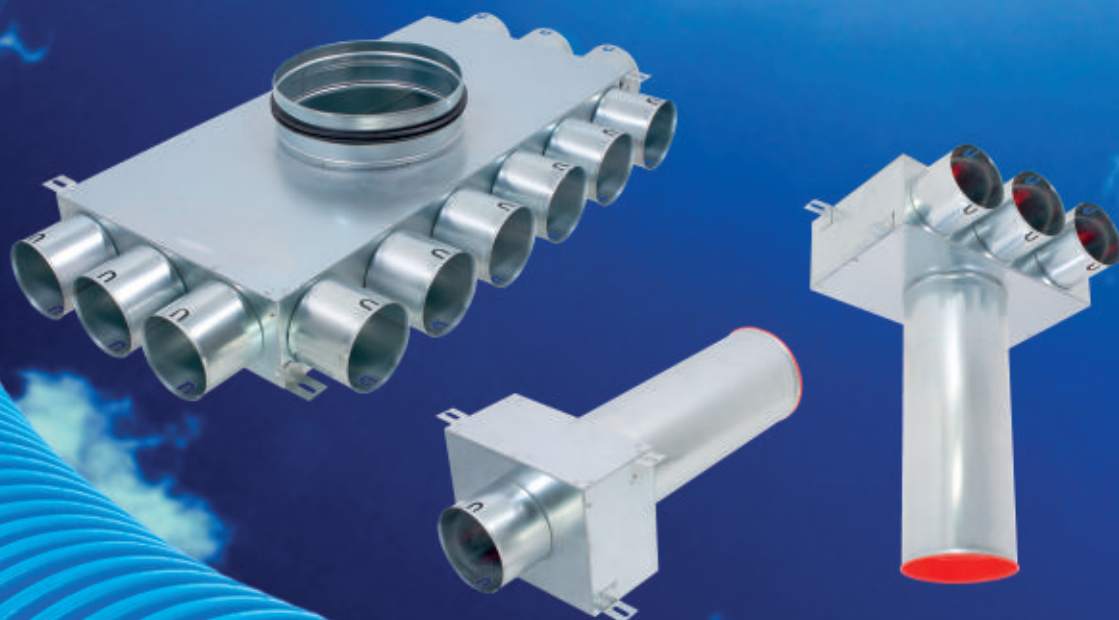


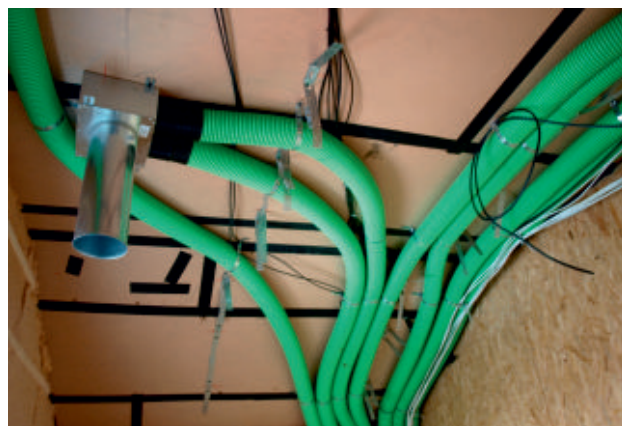
Flexible ventilation ducting accessories
KLIMAFLEX SB



Project design and execution of construction work including HRV



Opava - Vávrovce



Opava - Jaktář



Opava - Vávrovce



Opava - Stěbořice



KLIMAFLEX SB

Flexible plastic ducts for air-distribution systems

KLIMAFLEX SB flexible plastic ducts are designed for air ducts, air-distribution equipment and heat recovery systems. The inner walls of the ducts are treated with a protective antibacterial and antifungal coating, which ensures hygienic protection against bacteria and mould. The ends of the rolls are fitted with caps to prevent dirt from getting into the ducts.

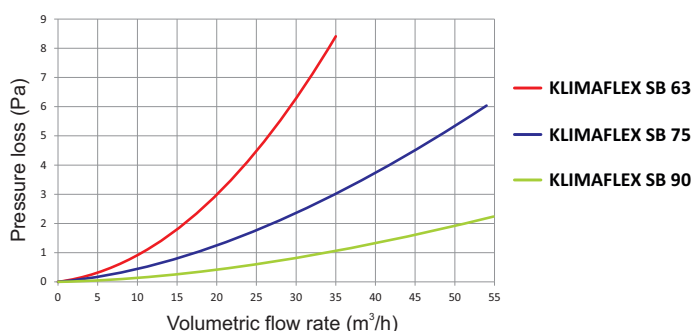
The design and properties of KLIMAFLEX SB flexible plastic ducts assure perfect transport of air and low pressure losses.

The ducts are designed in accordance with ČSN EN 17192. They are tested pursuant to ČSN EN ISO 846:98, methods A,C.

outer diameter	inner diameter	bend radius	roll length
mm	mm	m	m
63	51	0,26	50
75	61	0,29	50
90	75	0,33	50
160*	136	0,43	25
200*	171	0,50	25

* Production on order (delivery time and quantity to be agreed)

Pressure loss diagram / 1m



Material

- Outer wall made from PE.
- Inner wall made from PE + antibacterial and antifungal additive, active biocidal ingredient pyrrithione zinc CAS No. 13463-41-7.

Ducts colours

- Outer wall - blue or green.
- Inner wall - grey or white.

Temperature resistance

- Installation temperature: of -5°C to +50°C.
- Operation temperature: of -20°C to +50°C.
- Storage temperature: of -40°C to +60°C.

Handling

- The low weight of KLIMAFLEX SB flexible plastic ducts makes them easy to transport and simple to install.

Transport

- When loading and unloading the pipes it is essential to prevent any mechanical damage or distortion of the plastic ducts.

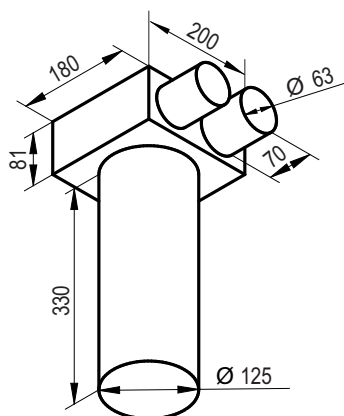
Storage

- Rolls must be stored in a horizontal position and only for the shortest time necessary, maximum 3 months.
- The ducts must be kept out of direct sunlight.





KLO-2x63/125-OC Pass-through ceiling / Wall box for DN 125 air valve



Material: galvanised steel

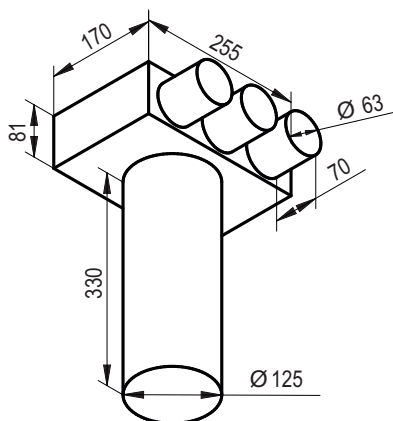
Supplied components:

- DN 125 plug
- installation fixtures
- safeguards against movement of the flexible piping
- 2 DN 63 sealing rings

Airflow speed m/s	2	2,5	3
Volume m ³ /h (1x63)	15	19,5	25
Volume m ³ /h (2x63)	30	39	50



KLO-3x63/125-OC Pass-through ceiling / Wall box for DN 125 air valve



Material: galvanised steel

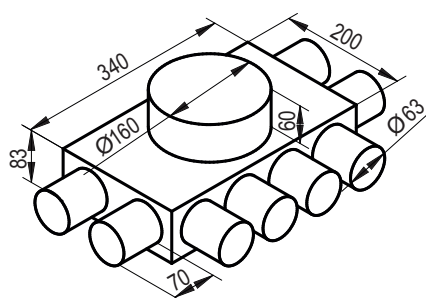
Supplied components:

- DN 125 plug
- installation fixtures
- safeguards against movement of the flexible piping
- 3 DN 63 sealing rings

Airflow speed m/s	2	2,5	3
Volume m ³ /h (1x63)	15	19,5	25
Volume m ³ /h (2x63)	30	39	50
Volume m ³ /h (3x63)	45	58,5	75



KL-8x63/160-OC Flat distribution box



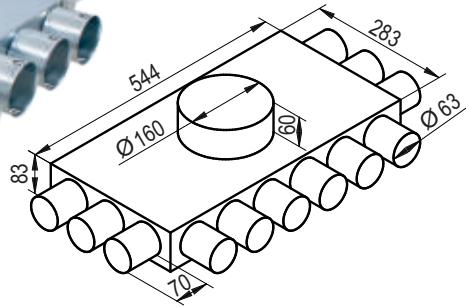
Material: galvanised steel

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 8 DN 63 sealing rings
- interior box insulation*

Airflow speed m/s	2	2,5	3
Volume m ³ /h (8x63)	120	156	200

KL-12x63/160-OC Flat distribution box



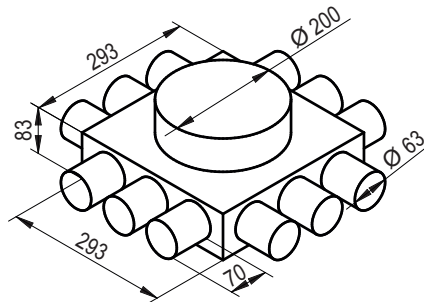
Material: galvanised steel

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 12 DN 63 sealing rings
- interior box insulation*

Airflow speed m/s	2	2,5	3
Volume m³/h (12x63)	180	234	300

KLKW-12x63/200-OC Flat distribution box



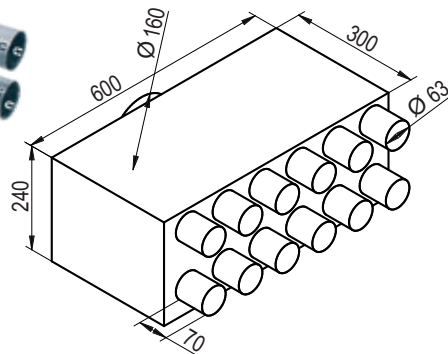
Material: galvanised steel

Supplied components:

- DN 200 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 12 DN 63 sealing rings
- interior box insulation*

Airflow speed m/s	2	2,5	3
Volume m³/h (12x63)	180	234	300

RT2R-12x63/160-OC Direct distribution box



Material: galvanised steel

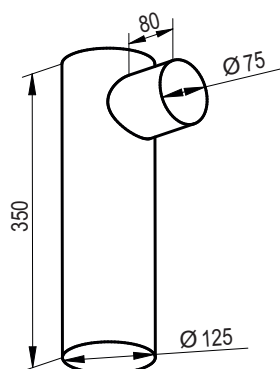
Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 12 DN 63 sealing rings
- interior box insulation*
- inspection hatch

Airflow speed m/s	2	2,5	3
Volume m³/h (12x63)	180	234	300

* With antibacterial and antifungal additive, active biocidal ingredient pyrrithione zinc CAS No. 13463-41-7.

KLOZ-1x75/125-OC Pass-through ceiling / Wall box for DN 125 air valve



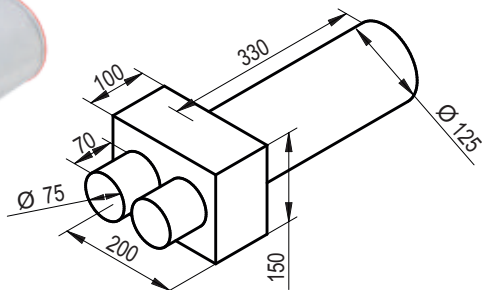
Material: galvanised steel

Supplied components:

- DN 125 plug
- safeguards against movement of the flexible piping
- 1 DN 75 sealing ring

Airflow speed m/s	2	2,5	3
Volume m ³ /h (1x75)	21	26	32

KLO-2x75/P-125-OC Pass-through flat ceiling / Wall box for DN 125 air valve



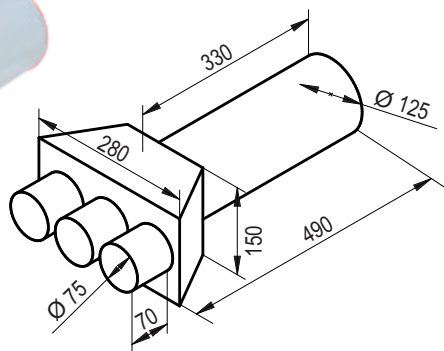
Material: galvanised steel

Supplied components:

- DN 125 plug
- installation fixtures
- safeguards against movement of the flexible piping
- 2 DN 75 sealing rings

Airflow speed m/s	2	2,5	3
Volume m ³ /h (1x75)	21	26	32
Volume m ³ /h (2x75)	42	52	64

KLO-3x75/P-125-OC Pass-through flat ceiling / Wall box for DN 125 air valve



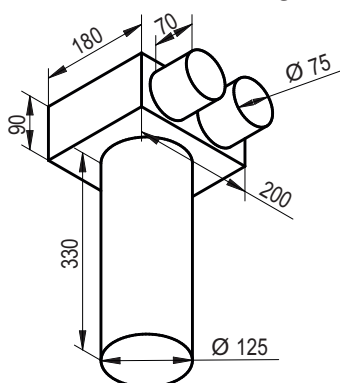
Material: galvanised steel

Supplied components:

- DN 125 plug
- installation fixtures
- safeguards against movement of the flexible piping
- 3 DN 75 sealing rings

Airflow speed m/s	2	2,5	3
Volume m ³ /h (1x75)	21	26	32
Volume m ³ /h (2x75)	42	52	64
Volume m ³ /h (3x75)	63	78	96

KLO-2x75/125-OC Pass-through ceiling / Wall box for DN 125 air valve



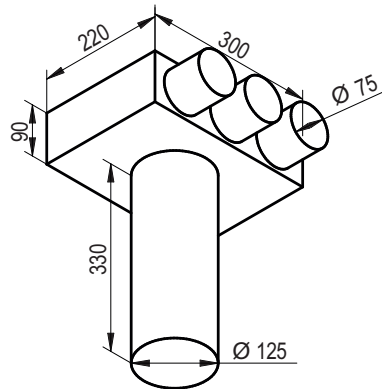
Material: galvanised steel

Supplied components:

- DN 125 plug
- installation fixtures
- safeguards against movement of the flexible piping
- 2 DN 75 sealing rings

Airflow speed m/s	2	2,5	3
Volume m ³ /h (1x75)	21	26	32
Volume m ³ /h (2x75)	42	52	64

KL0-3x75/125-OC Pass-through ceiling / Wall box for DN 125 air valve



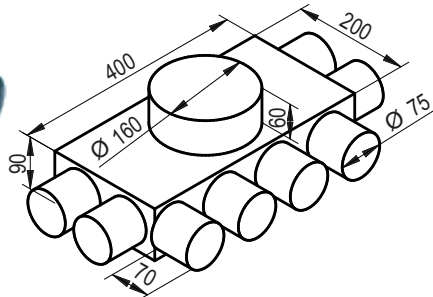
Material: galvanised steel

Supplied components:

- DN 125 plug
- installation fixtures
- safeguards against movement of the flexible piping
- 3 DN 75 sealing rings

Airflow speed m/s	2	2,5	3
Volume m³/h (1x75)	21	26	32
Volume m³/h (2x75)	42	52	64
Volume m³/h (3x75)	63	78	96

KL-8x75/160-OC Flat distribution box



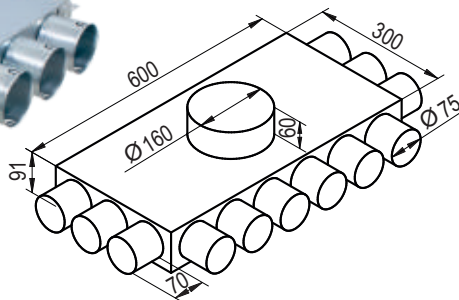
Material: galvanised steel

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 8 DN 75 sealing rings
- interior box insulation*

Airflow speed m/s	2	2,5	3
Volume m³/h (8x75)	168	208	256

KL-12x75/160-OC Flat distribution box



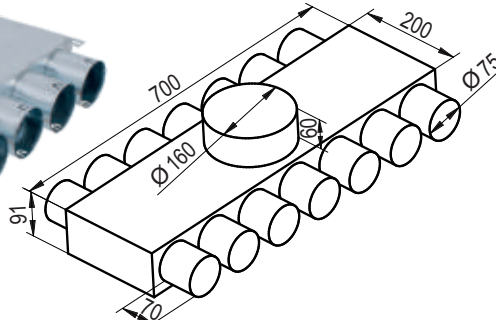
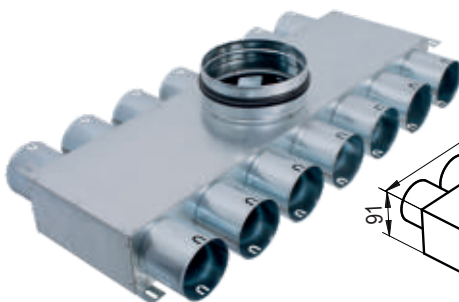
Material: galvanised steel

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 12 DN 75 sealing rings
- interior box insulation*

Airflow speed m/s	2	2,5	3
Volume m³/h (12x75)	252	312	384

KL-14x75/160-OC Flat distribution box



Material: galvanised steel

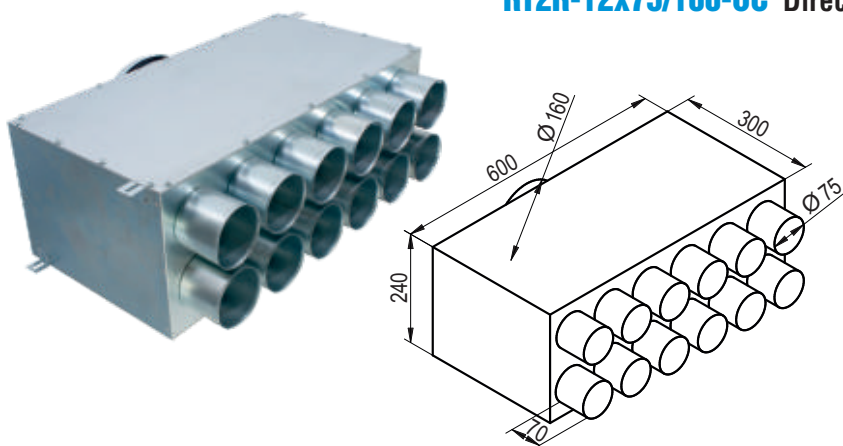
Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 14 DN 75 sealing rings
- interior box insulation*

Airflow speed m/s	2	2,5	3
Volume m³/h (14x75)	294	364	448

* With antibacterial and antifungal additive, active biocidal ingredient pyrrhione zinc CAS No. 13463-41-7.

RT2R-12x75/160-OC Direct distribution box



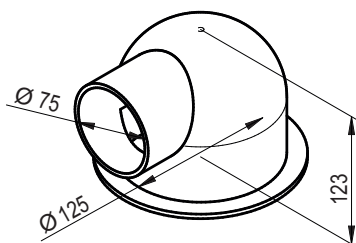
Material: galvanised steel

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 12 DN 75 sealing rings
- interior box insulation*
- inspection hatch

Airflow speed m/s	2	2,5	3
Volume m³/h (12x75)	252	312	384

SV 75/125 Plastic ceiling/Wall outlet



For installation on plasterboard with vapour barrier

Input for DN 75 flexible piping

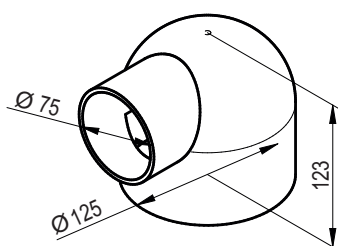
Output for DN 125 table valve

Material: PP

Supplied components:

- installation screws
- DN 75 seal O -ring
- DN 125 cap

SJD-75-125 Plastic ceiling/Wall outlet



For installation on plasterboard with vapour barrier

Input for DN 75 flexible piping

Output for DN 125 table valve

Material: PP

Supplied components:

- installation screws
- DN 75 seal O-ring
- DN 125 cap

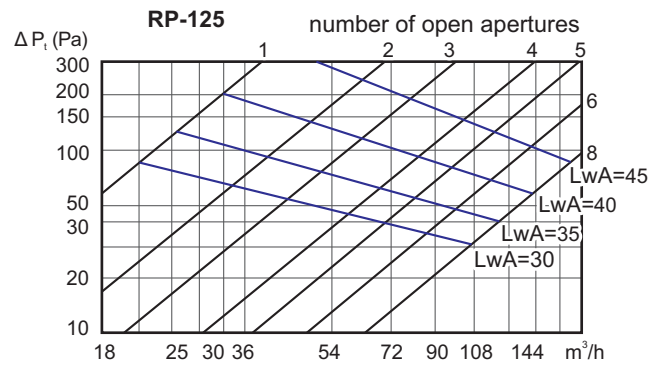
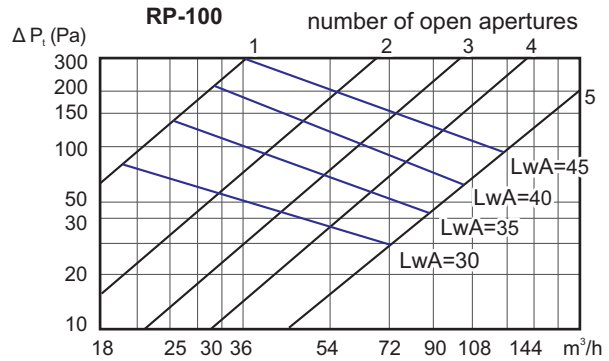
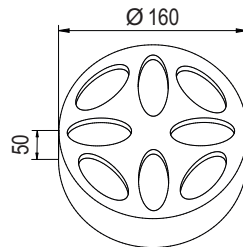
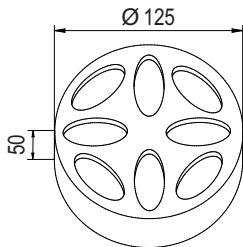
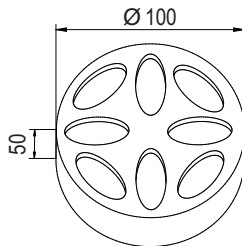


Example of use with the Lindap connector and SPIRO pipes
(not included in the delivery)

* With antibacterial and antifungal additive, active biocidal ingredient pyrithione zinc CAS No. 13463-41-7.

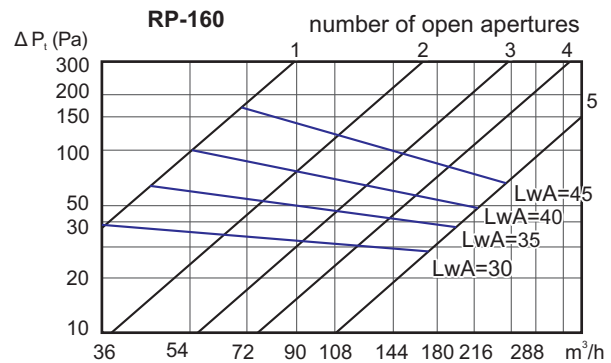
RP Flow-through regulator with damper

Special damping foam
The air flow-through is regulated by means of the number of open apertures

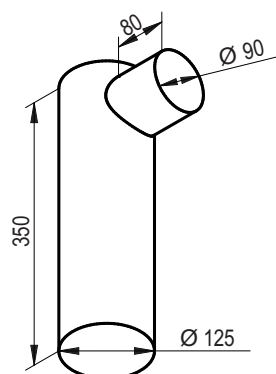


Damping of dB in frequency band (Hz)

Type	Number of open apertures	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
RP-100	1	6,5	7	4	9,5	13	16	18	22
	3	3	3,5	2,5	5,5	8,5	8,5	15	19
	5	1,5	2,5	1,5	3,5	6	6,5	12	17
RP-125	2	5,5	6,5	7	6,5	10	15	19	21
	5	2	2	2,5	3	8,5	8	14	19
	8	1	1,5	1,5	2,5	6	6	11	18
RP-160	1	6,5	7	4	9,5	13	16	18	22
	3	2,8	3,5	2,5	5,8	8,5	8,7	14,5	19
	5	3	3,5	2,5	5,5	8,5	8,5	15	20



KLOZ-1x90/125-OC Pass-through ceiling / Wall box for DN 125 air valve



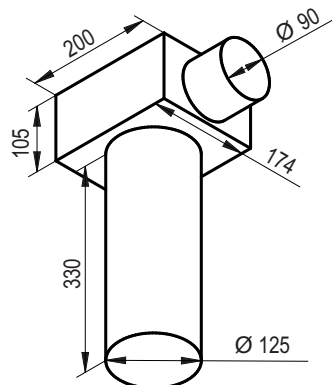
Material: galvanised steel

Supplied components:

- DN 125 plug
- safeguards against movement of the flexible piping
- 1 DN 90 sealing ring

Airflow speed m/s	2	2,5	3
Volume m³/h (1x90)	32	40	48

KLO-1x90/125-OC Pass-through ceiling / Wall box for DN 125 air valve



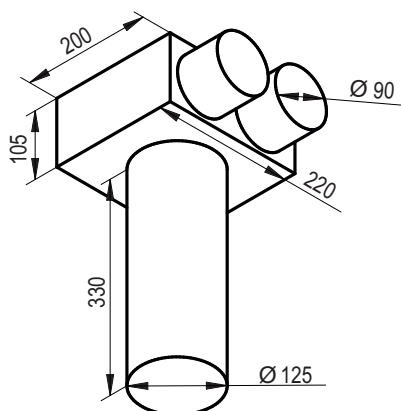
Material: galvanised steel

Supplied components:

- DN 125 plug
- safeguards against movement of the flexible piping
- installation fixtures
- 1 DN 90 sealing ring

Airflow speed m/s	2	2,5	3
Volume m³/h (1x90)	32	40	48

KLO-2x90/125-OC Pass-through ceiling / Wall box for DN 125 air valve



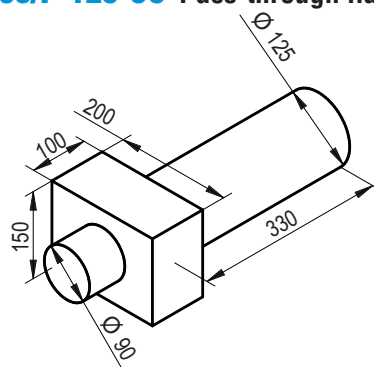
Material: galvanised steel

Supplied components:

- DN 125 plug
- safeguards against movement of the flexible piping
- installation fixtures
- 2 DN 90 sealing rings

Airflow speed m/s	2	2,5	3
Volume m³/h (1x90)	32	40	48
Volume m³/h (2x90)	64	80	96

KLO-1x90/P-125-OC Pass-through flat ceiling / Wall box for DN 125 air valve



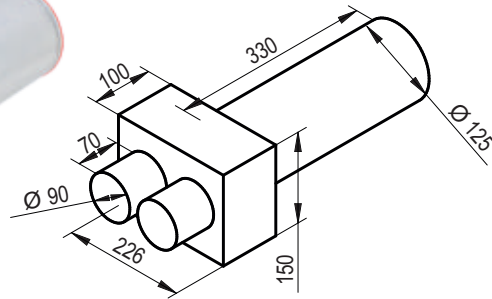
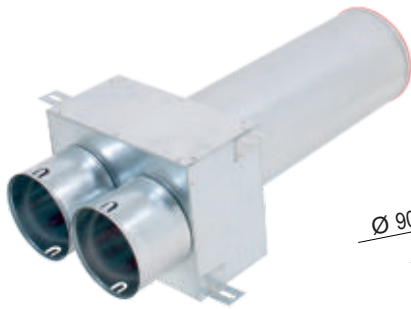
Material: galvanised steel

Supplied components:

- DN 125 plug
- safeguards against movement of the flexible piping
- installation fixtures
- 1 DN 90 sealing ring

Airflow speed m/s	2	2,5	3
Volume m³/h (1x90)	32	40	48

KLO-2x90/P-125-OC Pass-through flat ceiling / Wall box for DN 125 air valve



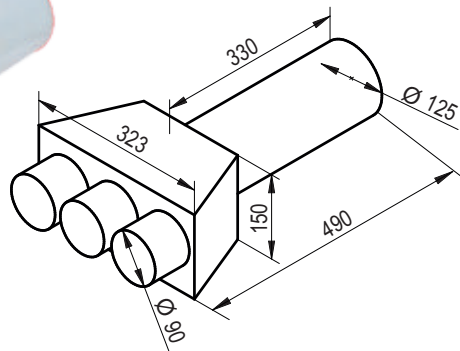
Material: galvanised steel

Supplied components:

- DN 125 plug
- safeguards against movement of the flexible piping
- installation fixtures
- 2 DN 90 sealing rings

Airflow speed m/s	2	2,5	3
Volume m³/h (1x90)	32	40	48
Volume m³/h (2x90)	64	80	96

KLO-3x90/P-125-OC Pass-through flat ceiling / Wall box for DN 125 air valve



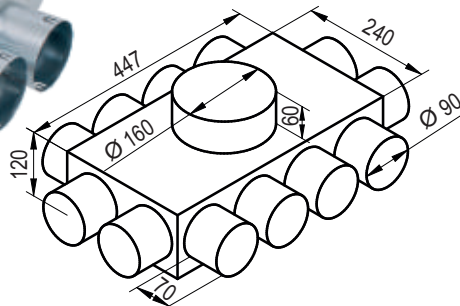
Material: galvanised steel

Supplied components:

- DN 125 plug
- safeguards against movement of the flexible piping
- installation fixtures
- 3 DN 90 sealing rings

Airflow speed m/s	2	2,5	3
Volume m³/h (1x90)	32	40	48
Volume m³/h (2x90)	64	80	96
Volume m³/h (3x90)	96	120	144

KL-12x90/160-OC Flat distribution box



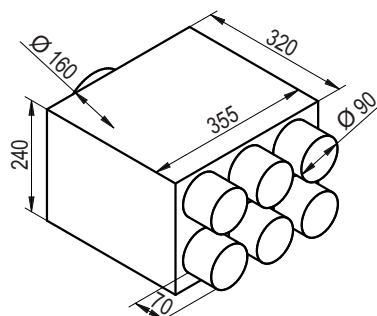
Material: galvanised steel

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 12 DN 90 sealing rings
- interior box insulation*

Airflow speed m/s	2	2,5	3
Volume m³/h (12x90)	384	480	576

RT2R-6x90/160-OC Direct distribution box



Material: galvanised steel

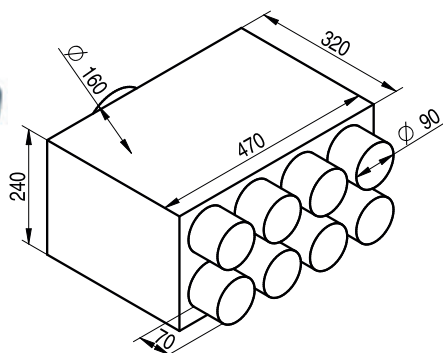
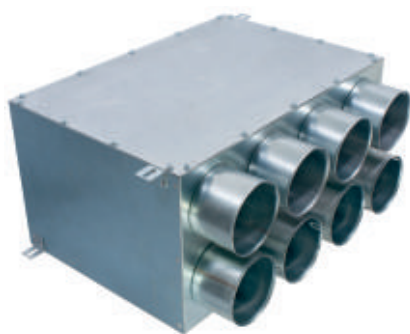
Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 6 DN 90 sealing rings
- interior box insulation*
- inspection hatch

Airflow speed m/s	2	2,5	3
Volume m³/h (6x90)	192	240	288

* With antibacterial and antifungal additive, active biocidal ingredient pyrrhione zinc CAS No. 13463-41-7.

RT2R- 8x90/160-OC Direct distribution box

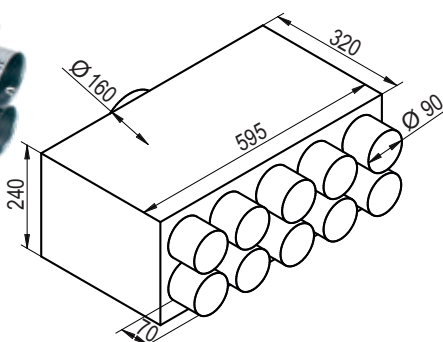


Material: galvanised steel
 Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 8 DN 90 sealing rings
- interior box insulation*
- inspection hatch

Airflow speed m/s	2	2,5	3
Volume m³/h (8x90)	256	320	384

RT2R-10x90/160-OC Direct distribution box

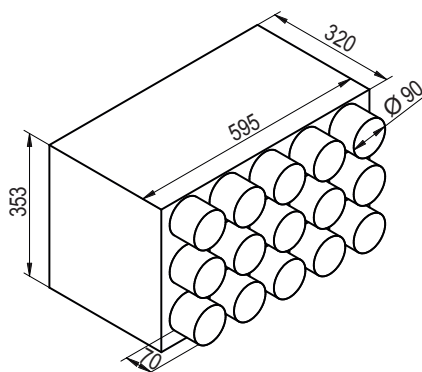


Material: galvanised steel
 Supplied components:

- DN 160 seal O -ring
- Installation fixtures
- safeguards against movement of the flexible piping
- 10 DN 90 sealing rings
- interior box insulation*
- inspection hatch

Airflow speed m/s	2	2,5	3
Volume m³/h (10x90)	320	400	480

RT3R-15x90/160-OC Direct distribution box

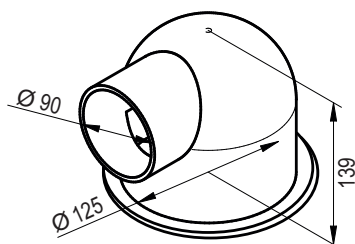


Material: galvanised steel
 Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 15 DN 90 sealing rings
- interior box insulation*
- inspection hatch

Airflow speed m/s	2	2,5	3
Volume m³/h (15x90)	480	600	720

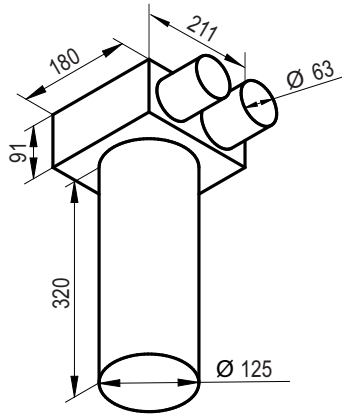
SV 90/125 Plastic ceiling/Wall outlet



For installation on plasterboard with vapour barrier
 Input for DN 90 flexible piping
 Output for DN 125 table valve
 Material: PP
 Supplied components:

- installation screws
- DN 90 seal O -ring
- DN 125 cap

KLO-2x63/125-PC-OC Pass-through ceiling / Wall box for DN 125 air valve

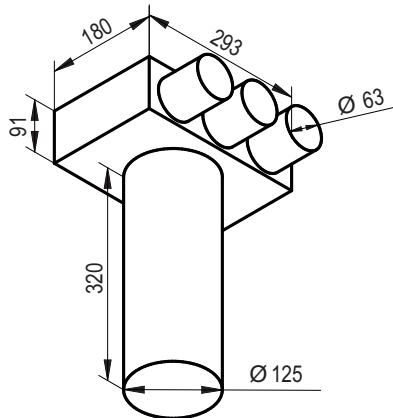


Material: galvanised steel, plastic

Supplied components:

- DN 125 plug
- installation fixtures
- safeguards against movement of the flexible piping
- 2 DN 63 sealing rings

KLO-3x63/125-PC-OC Pass-through ceiling / Wall box for DN 125 air valve

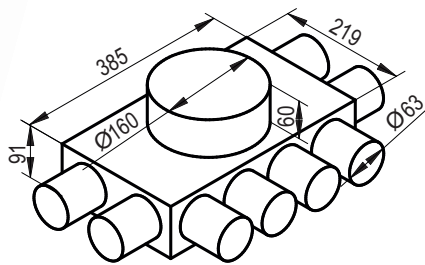


Material: galvanised steel, plastic

Supplied components:

- DN 125 plug
- installation fixtures
- safeguards against movement of the flexible piping
- 3 DN 63 sealing rings

KL-8x63/160-PC Flat distribution box

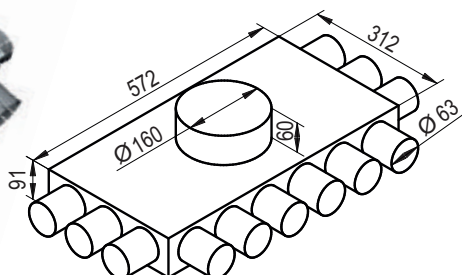


Material: galvanised steel, plastic

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 8 DN 63 sealing rings
- interior box insulation*

KL-12x63/160-PC Flat distribution box



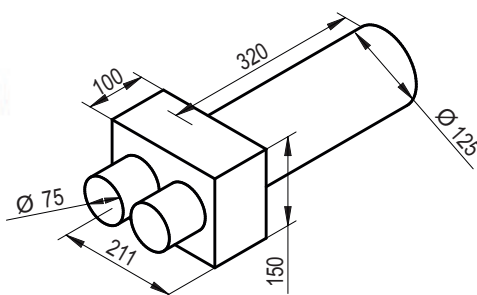
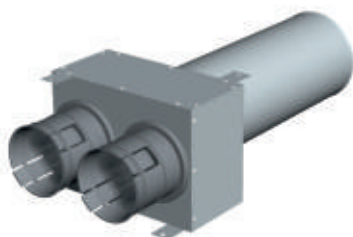
Material: galvanised steel, plastic

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 12 DN 63 sealing rings
- interior box insulation*

* With antibacterial and antifungal additive, active biocidal ingredient pyrrhione zinc CAS No. 13463-41-7.

KLO-2x75/P-125-PC-OC Pass-through flat ceiling / Wall box for DN 125 air valve

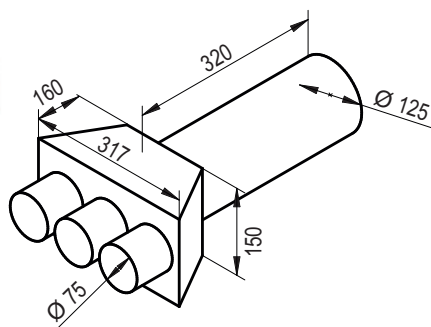


Material: galvanised steel, plastic

Supplied components:

- DN 125 plug
- installation fixtures
- safeguards against movement of the flexible piping
- 2 DN 75 sealing rings

KLO-3x75/P-125-PC-OC Pass-through flat ceiling / Wall box for DN 125 air valve

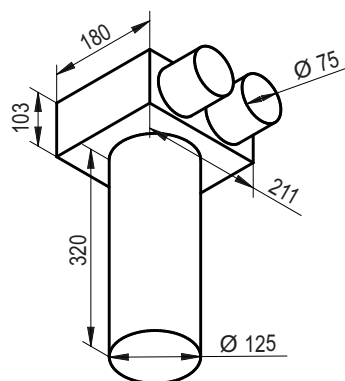


Material: galvanised steel, plastic

Supplied components:

- DN 125 plug
- installation fixtures
- safeguards against movement of the flexible piping
- 3 DN 75 sealing rings

KLO-2x75/125-PC-OC Pass-through ceiling / Wall box for DN 125 air valve

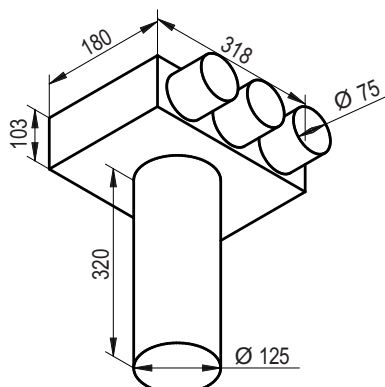


Material: galvanised steel, plastic

Supplied components:

- DN 125 plug
- installation fixtures
- safeguards against movement of the flexible piping
- 2 DN 75 sealing rings

KLO-3x75/125-PC-OC Pass-through ceiling / Wall box for DN 125 air valve

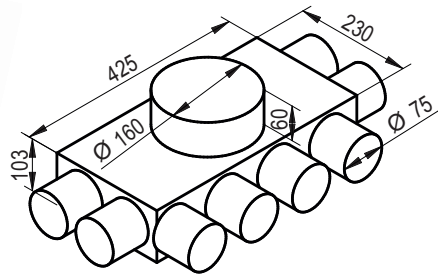


Material: galvanised steel, plastic

Supplied components:

- DN 125 plug
- installation fixtures
- safeguards against movement of the flexible piping
- 3 DN 75 sealing rings

KL-8x75/160-PC Flat distribution box

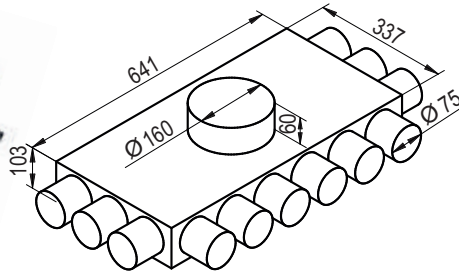


Material: galvanised steel, plastic

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 8 DN 75 sealing rings
- interior box insulation*

KL-12x75/160-PC Flat distribution box

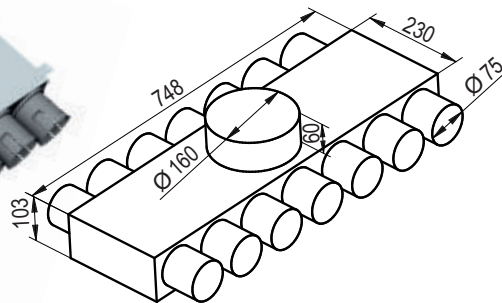


Material: galvanised steel, plastic

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 12 DN 75 sealing rings
- interior box insulation*

KL-14x75/160-PC Flat distribution box

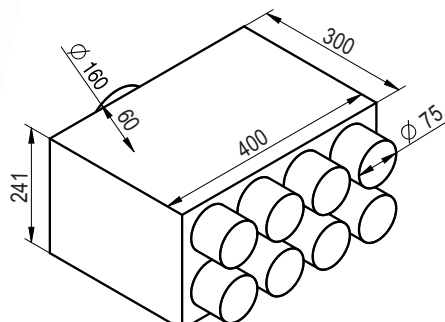
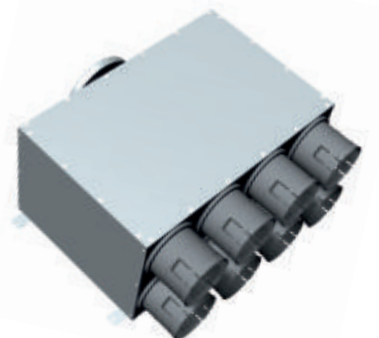


Material: galvanised steel, plastic

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 14 DN 75 sealing rings
- interior box insulation*

RT2R-8x75/160-PC Direct distribution box



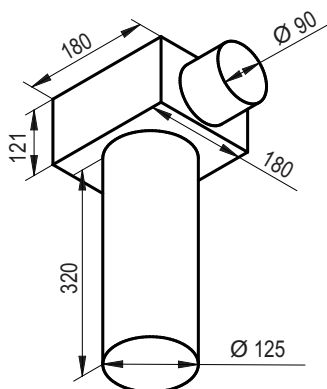
Material: galvanised steel, plastic

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 8 DN 75 sealing rings
- interior box insulation*
- inspection hatch

* With antibacterial and antifungal additive, active biocidal ingredient pyrrhione zinc CAS No. 13463-41-7.

KLO-1x90/125-PC-OC Pass-through ceiling / Wall box for DN 125 air valve

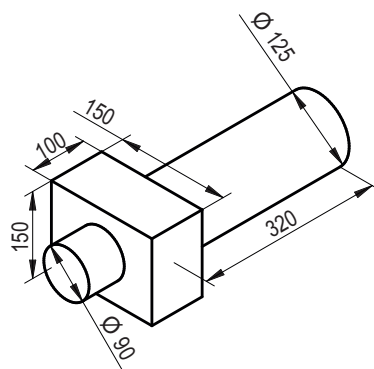
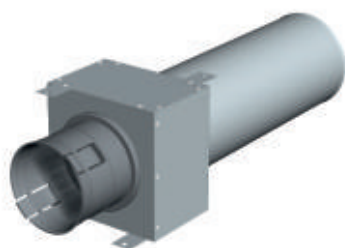


Material: galvanised steel, plastic

Supplied components:

- DN 125 plug
- safeguards against movement of the flexible piping
- installation fixtures
- 1 DN 90 sealing ring

KLO-1x90/P-125-PC-OC Pass-through flat ceiling / Wall box for DN 125 air valve

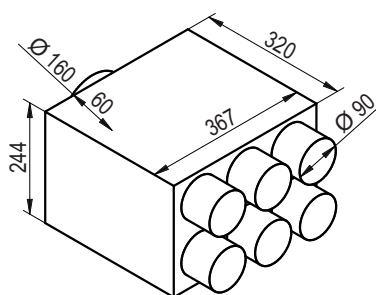
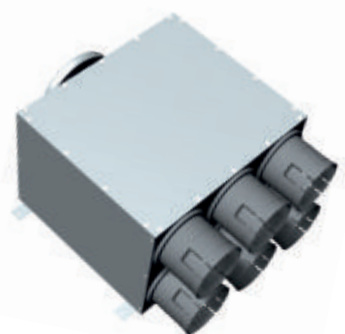


Material: galvanised steel, plastic

Supplied components:

- DN 125 plug
- safeguards against movement of the flexible piping
- installation fixtures
- 1 DN 90 sealing ring

RT2R-6x90/160-PC Direct distribution box

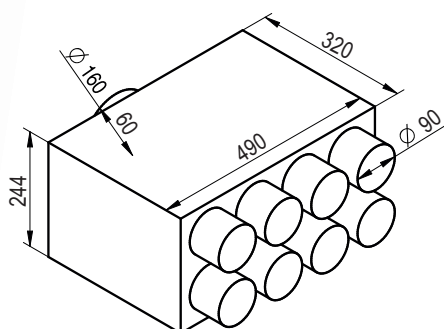


Material: galvanised steel, plastic

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 6 DN 90 sealing rings
- interior box insulation*
- inspection hatch

RT2R-8x90/160-PC Direct distribution box

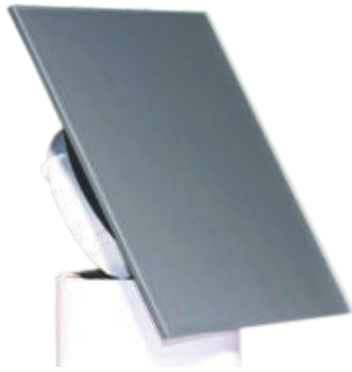


Material: galvanised steel, plastic

Supplied components:

- DN 160 seal O -ring
- installation fixtures
- safeguards against movement of the flexible piping
- 8 DN 90 sealing rings
- interior box insulation*
- inspection hatch

* With antibacterial and antifungal additive, active biocidal ingredient pyriithione zinc CAS No. 13463-41-7.



SKVE Design glass valve

For air intake and outflow with easy and fast airflow control
For attachment to a wall or ceiling

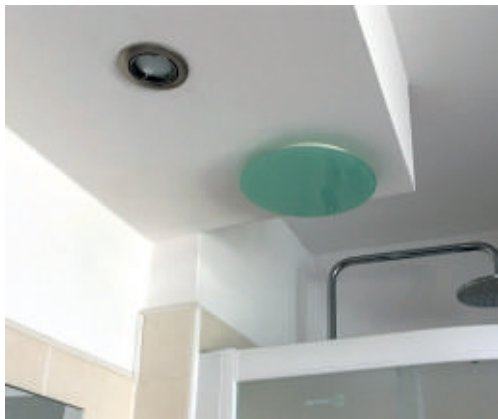
The valve consists:

- the body of the valve - is fitted within a system of piping by three metal springs
- the glass front plate - is attached to the body of the valve using springs

Shape: square (CT) or ring (KR)

Colours: gloss (L), matt (M)

Order code	For pipe dimensions DN	Body diameter mm	Exterior diameter mm	Body depth mm	Diameter of the valve cap mm
SKVE/100/CT or KR/L or M	100	90	137,5	54	200
SKVE/125/CT or KR/L or M	125	114	156	57	200
SKVE/160/CT or KR/L or M	160	149	191	57	230



Colours gloss



Aluminium Rich 9007



Anthracite Authentic 7016



Black Classic 9005



Brown Light 1236



Grey Metal 9006



White Pearl 1013



White Pure 9003



White Soft 9010

Colours matt



Anthracite Authentic 7016M



Beige Warm 1015M



Black Classic 9005M



Brown Light 1236M



Green Soft 8615M



Silver Clearvision 1003M



White Pure 9003M



White Soft 9010M

On request:

Blue Shadow 7000
Brown Natural 7013
Red Luminous 1586
Red Terracota 8815

On request:

Silver Bronze 1002M
Brown Natural 7013M
Silver Grey 1001M
Red Terracota 8815M

Other accessories

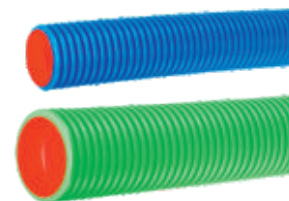


End cap

Material: PE-HD

- for flexible piping

For pipe dimensions DN	63	75	90
Order code	ZA-63	ZA-75	ZA-90



- for box outlets

End cap for box DN	63	75	90
Order code	ZAB-63	ZAB-75	ZAB-90



Exterior connector for connecting the flexible piping

Material: PP

For pipe dimensions DN	63	75	90
Order code	ZV-63	ZV-75	ZV-90



Sealing ring

Material: EPDM

- for connecting the flexible piping

For pipe dimensions DN	63	75	90
Order code	UV-63	UV-75	UV-90



- for connecting the flexible piping to the box

For pipe dimensions DN	63	75	90
Order code	UVB-63	UVB-75	UVB-90

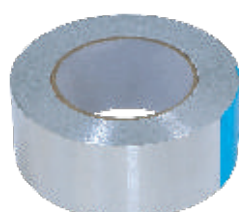


Aluminium self-adhesive tape

Material: glass-fibre reinforced aluminium, acrylic-based adhesive film

For sealing connections between pipes and boxes

For securing end caps



Tape dimension	Width 50 mm/ length 50 m	Width 75 mm/ length 50 m	Width 100 mm/ length 50 m
Order code	PAL 50	PAL 75	PAL 100

Shrink-seal connectors



Heat-shrink pipe connector
For sealing connections between pipes and boxes
Length 1000 mm
Application using a hot-air gun
Moulds to the pipe surface

For pipe dimensions DN	63	75	90
Order code	STS01	STS01	STS02

Noise damper

Enables achievement of a significant noise damping effect in circular pipes.
Material:

- external casing galvanised metal sheet
- internal casing perforated galvanised metal sheet

Damping layer:

- mineral wool with nonwoven textile

Outlet component:

- radial shaft seal



Order code	Internal diameter d1 mm	External diameter D mm	Length L* mm
TH50* 100/0200/0900/S	100	200	900
TH50* 125/0224/0900/S	125	224	900
TH50* 160/0250/0900/S	160	250	900
TH50* 200/0315/0900/S	200	315	900
TH50* 250/0355/0900/S	250	355	900

*additional dimensions on request

Damping of dB in frequency band (Hz)

f /Hz/	63	125	250	500	1k	2k	4k	8k	Di on LAeq,T /dB/ **
Order code	Di /dB/ acoustic damping effect								
TH50 0100/0200/0900/S	5	17	26	34	30	34	37	25	26,0
TH50 0125/0224/0900/S	3	13	20	32	29	35	31	21	23,0
TH50 0160/0250/0900/S	2	9	13	27	32	39	26	15	20,4
TH50 0200/0315/0900/S	3	6	12	20	24	23	15	12	14,4
TH50 0250/0355/0900/S	5	2	6	11	15	9	7	5	7,5
TH50 0315/0400/0900/S	3	1	5	12	16	14	8	5	8,0
TH50 0400/0500/0900/S	7	1	6	9	10	7	6	5	6,4

**equivalent acoustic pressure level LAeq,T in dB

Installation of KLIMAFLEX SB pipes to KL, KLO, KLOZ and RT boxes



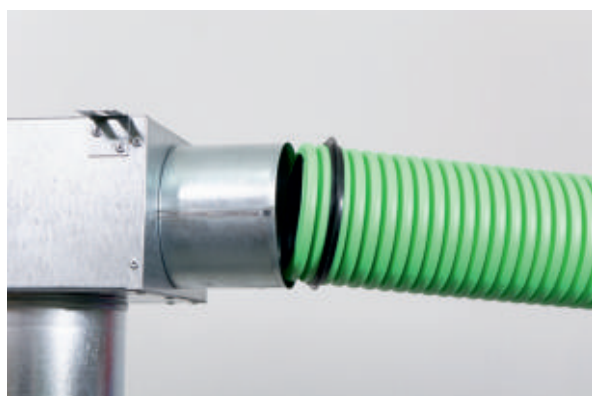
1) Cut the pipe to the required length at the groove in the corrugation.



2) Fit a sealing ring to the 2nd or 3rd groove.



3) Apply lubricant to the interior surface of the outlet.*



4) Insert the pipe as far as it will go.



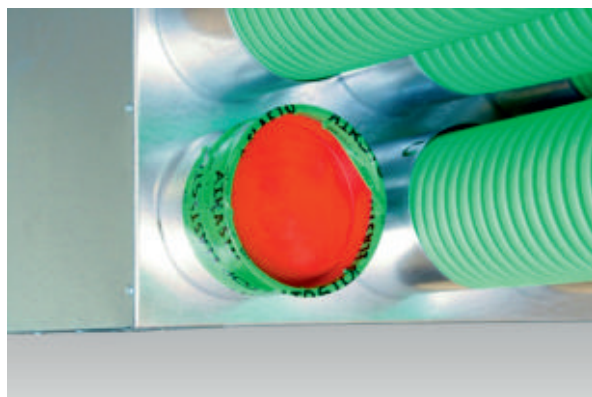
5) Press both locks to prevent the pipe from sliding out.



6) Correct lock position.



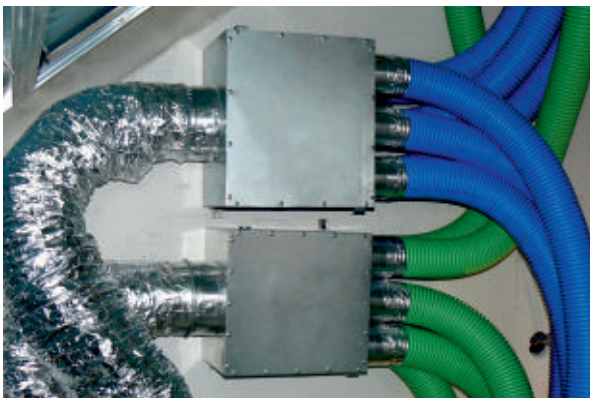
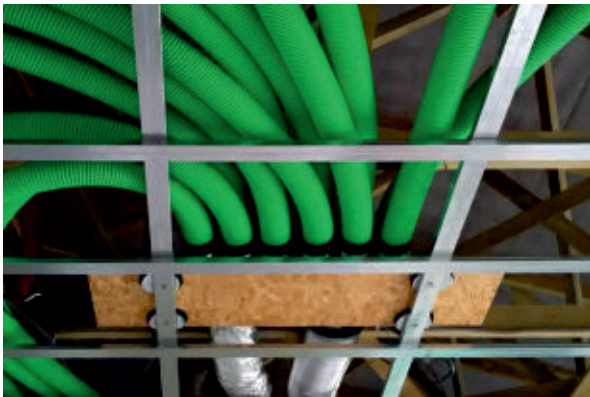
7) Secure the connection using air-tight self-adhesive tape.



8) We recommend that the end caps on unused and sealed outlets be secured using air-tight self-adhesive tape.

* E.g. washing-up liquid, silicone oil etc. Petroleum-based oils, lubricating grease and solvents **MUST NOT BE USED**.

Project design and execution of construction work including HRV



The advantages of using KLIMAFLEX accessories and pipes

- speed and simplicity of installation
- adaptability to the type of installation
- increased flexibility while retaining mechanical durability
- low weight
- easy modification of pipe length
- anti-bacterial and anti-fungal treatment applied to the interior of the pipe
- low acquisition costs compared to other types of distribution system
- uniform air distribution
- low pressure losses in the pipeline
- sealing rings for connecting the pipes to the boxes are included in the delivery
- no material losses, left-over pipes can be used by inserting a connector

Recommendations:

- the available pressure must be verified on long routes (over 15 m)
- secure connections between the boxes and the pipes using air-tight tape
- recommended maximum air-flow speed up to 3 m/s
- protect the ends of pipes against dust and dirt by fitting end caps (included in the delivery) after installation and before starting operation
- projects and installation should be realised according to the relevant building regulations and guidelines valid at the site of installation
- the maximum distance between anchoring strips when installing beneath the ceiling is 1,000 mm
- condensate removal must be resolved when distributing moist air
- insulate pipeline (insulation thickness 20 mm):
 - a) if the pipeline is used to carry cooled air and leads through a warm room
 - b) if the pipeline leads through a space with a lower temperature than the temperature of the transported air – the heat-loss requirements of the relevant standards (the thermal conductivity of the pipe wall is approx. 0.28 – 0.30 W/mK, thermal resistance is approx. 0.034-0.040 m² K/W)

Air flow rate

KLIMAFLEX SB DN 63 (m ³ /h)			
Number of tubes	Air flow speed		
	2 m/s	2,5 m/s	3 m/s
	14,7	18,4	22,1
	29,4	36,8	44,2
	44,1	55,2	66,3

KLIMAFLEX SB DN 75 (m ³ /h)			
Number of tubes	Air flow speed		
	2 m/s	2,5 m/s	3 m/s
	21,0	26,3	31,6
	42,0	52,6	63,2
	63,0	78,9	94,8

KLIMAFLEX SB DN 90 (m ³ /h)			
Number of tubes	Air flow speed		
	2 m/s	2,5 m/s	3 m/s
	31,8	39,8	47,7
	63,6	79,6	95,4
	95,4	119,4	143,1

Housing project "SKY Barrandov" in Prague 5





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