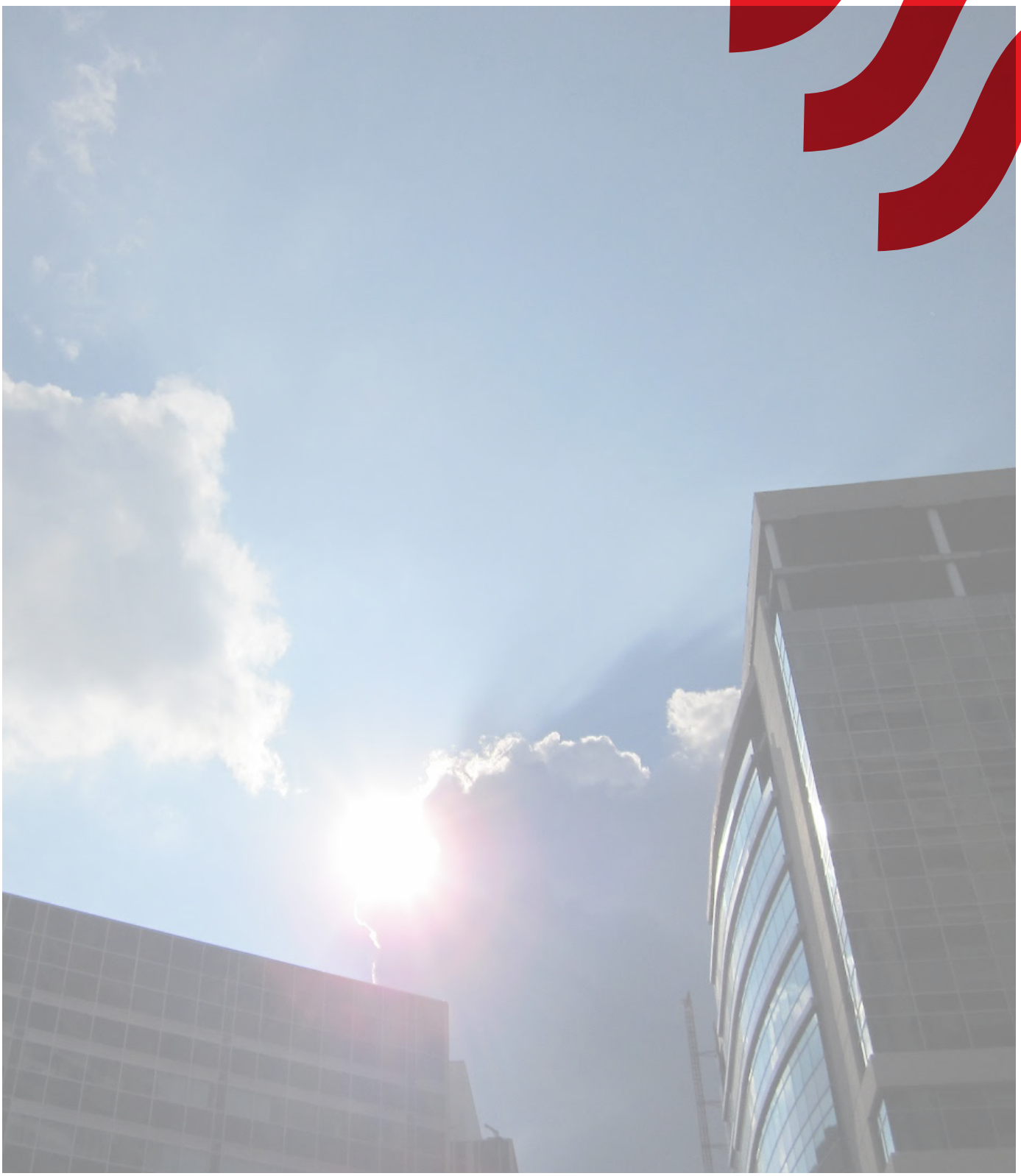


NORDroof
Roof hoods

ETS NORD

Contents

ULS Air intake device

Roof-mounted device for intake of fresh air into the ventilation system.

MagiCAD
AUTODESK REVIT

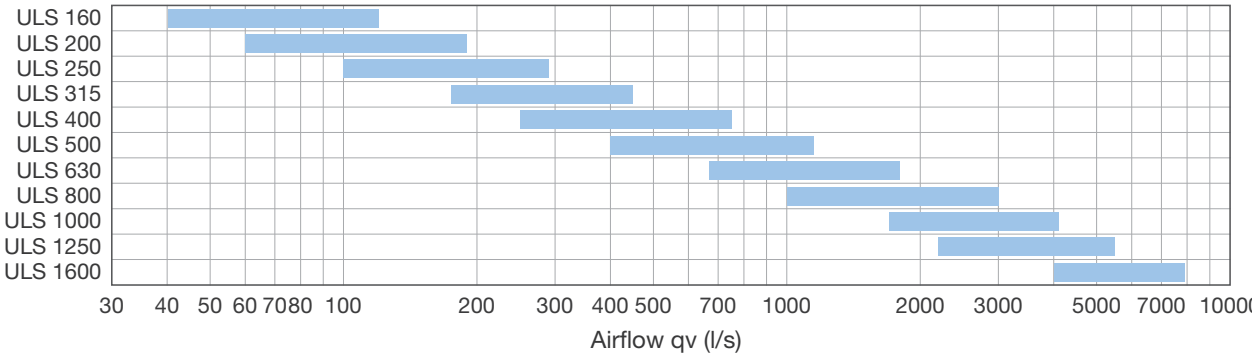
Features:

- Low design
- Excellent storm water and snow resistance
- Solid structure
- Optimum pressure drop
- Low noise level
- Innovative design

Application

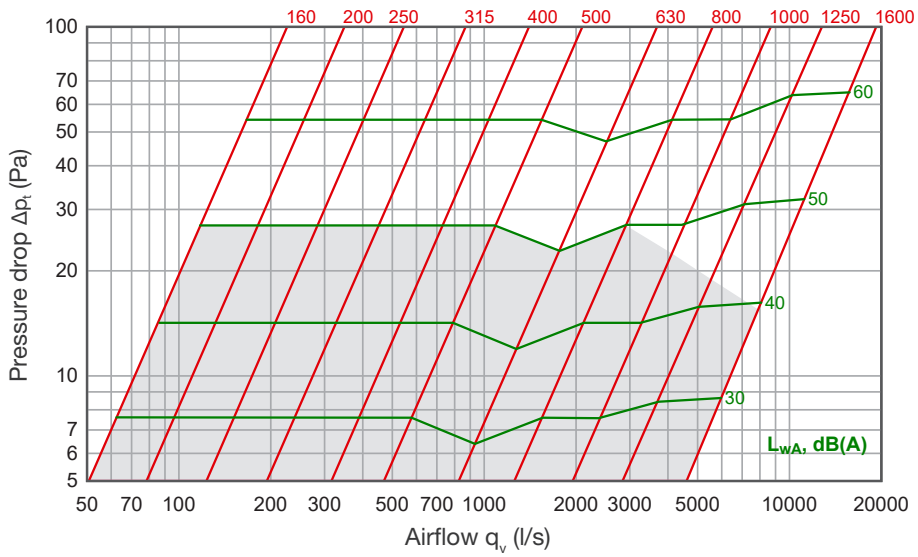
Designed to operate in tough conditions. The labyrinth structure ensures good resistance (rain, snow, hail) in stormy weather (wind speed up to 25 m/s).

Quick selection



Pressure drop - Airflow

Recommended maximum pressure loss 30 Pa.

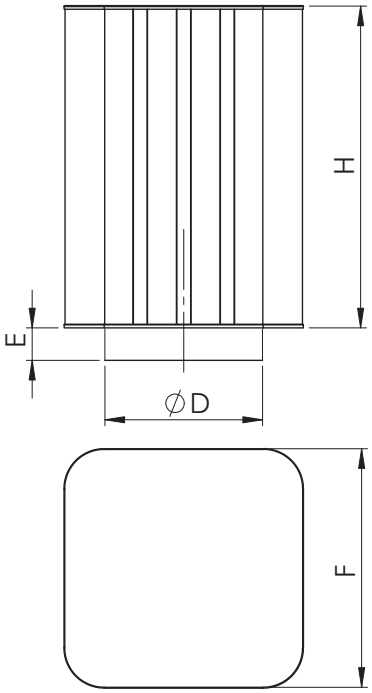


Material, dimensions and technical data

Manufactured of zinc-magnesium coated sheet steel, DX51D+ZM310. Can also be manufactured of other materials and in powder coated finish.

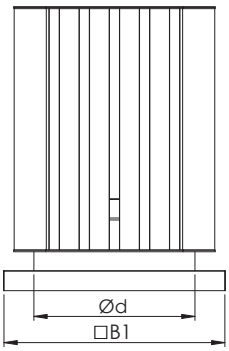
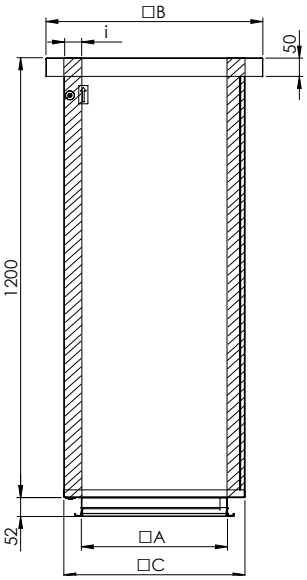
Sizes Ø 160-400 mm are with a female connection which fits outside a ventilation duct and sizes Ø 500-1600 mm with VRL flange duct connection. Counterflange ordered separately.

Starting from Ø 315 mm, equipped with lifting and anchoring bracket.



Nominal size D, mm	F, mm	H, mm	C, mm	Weight, kg	Airflow, l/s	
					min	max
160	240	200	90	7	40	120
200	280	320	90	10	60	190
250	330	340	90	12	100	290
315	500	812	90	34	175	450
400	600	812	90	40	250	750
500	700	1012	90	61	400	1150
630	830	1220	100	79	670	1800
800	1000	1220	100	107	1000	3000
1000	1400	1220	100	183	1700	4100
1250	1450	1525	100	217	2200	5500
1600	1800	1800	150	329	4000	7900

We recommend the rain-plate connection! It is the safest option for waterproofing.

ULS Air intake device with KL-connection	MKLI Roof transition	Nominal size ULS	B1, mm	MKLI Size	A, mm	i=50		ULS+ MKLI Weight, kg
						C, mm	B, mm	
		ULS 160	400	MKLI 2	200	295	395	24
		ULS 200	400	MKLI 2	200	295	395	27
		ULS 250	500	MKLI 3	300	395	495	36
		ULS 315	500	MKLI 3	300	395	495	58
		ULS 400	600	MKLI 4	400	495	595	70
		ULS 500	700	MKLI 5	500	595	695	97
		ULS 630	800	MKLI 6	600	695	795	122
		ULS 800	1000	MKLI 8	800	895	995	165
		ULS 1000	1200	MKLI 10	1000	1095	1195	266
		ULS 1250	1500	MKLI 13	1300	1395	1495	325
		ULS 1600	1800	MKLI 16	1600	1595	1795	464

The dimensions of MKLI are with 50 mm insulation.
Data for MKLI with 100 mm insulation (EI120) see MKLI data sheet.
The standard height of the MKLI is 1200 mm.

Product codes

ULS - Material - D - KL-B1xB1 - RAL

Marking

Material
Standard zinc-magnesium coating, standard material
H – acid-proof steel (AISI 316)

Nominal size D

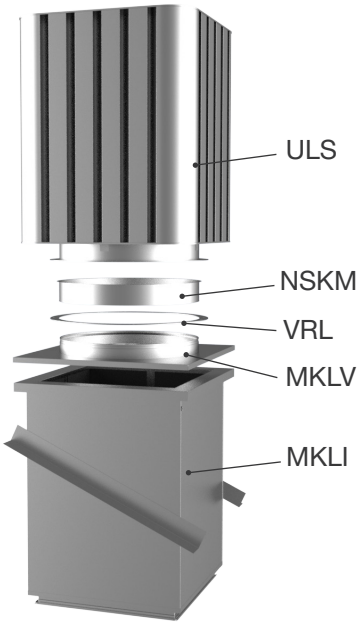
Roof transition installation
KL-B1xB1 – Dimensions for roof transition connection

RAL
RAL colour, when coated

Example: **ULS 315 Air intake device**
ULS-H 315 Air intake device, acidproof
ULS 315-RAL7000 Air intake device (coated)
ULS 315-KL-500x500 Air intake device for roof transition

Accessories:

Appropriate accessories for connecting ULS to the MKLI roof transition.

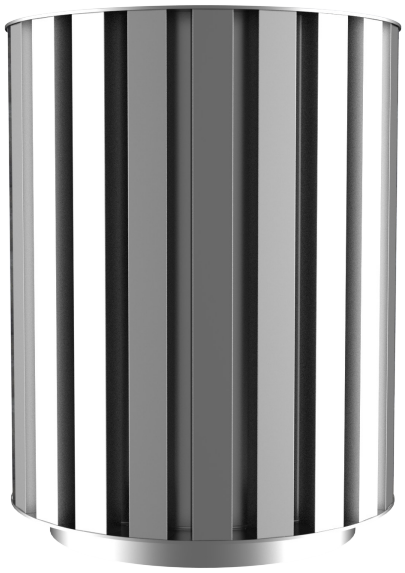


ULS	MKLI Roof transiton	MKLV Round coupling with rain-plate	VRL Flange	NSKM Take-off
ULS 160	MKLI 2	MKLV 2-160	-	-
ULS 200	MKLI 2	MKLV 2-200	-	-
ULS 250	MKLI 3	MKLV 3-250	-	-
ULS 315	MKLI 3	MKLV 3-315	-	-
ULS 400	MKLI 4	MKLV 4-400	-	-
ULS 500	MKLI 5	MKLV 5-500	VRL 500	NSKM 500
ULS 630	MKLI 6	MKLV 6-630	VRL 630	NSKM 630
ULS 800	MKLI 8	MKLV 8-800	VRL 800	NSKM 800
ULS 1000	MKLI 10	MKLV 10-1000	VRL 1000	NSKM 1000
ULS 1250	MKLI 13	MKLV 13-1250	VRL 1250	NSKM 1250
ULS 1600	MKLI 16	MKLV 16-1600	VRL 1600	NSKM 1600

MKLV data are given for MKLI roof transition with 50 mm insulation.
Data for MKLI with 100 mm insulation (EI120) see MKLI data sheet.
The standard height of the MKLI is 1200 mm.

URS Air intake device

Roof-mounted device for intake of fresh air into the ventilation system.



Features:

- Low design
- Excellent storm water and snow resistance
- Solid structure
- Optimum pressure drop
- Low sound level
- Innovative design

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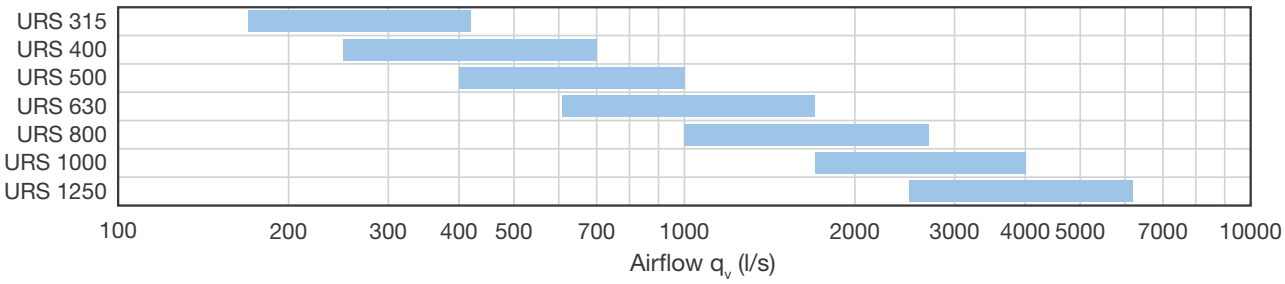
Application

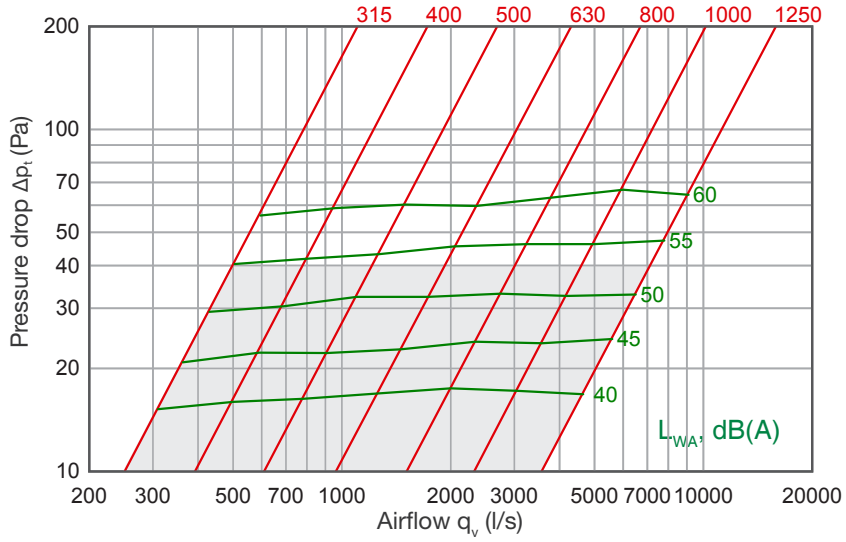
Designed to operate in tough conditions. The labyrinth structure ensures good resistance (rain, snow, hail) in stormy weather (wind speeds up to 25 m/s).

Quick selection



Pressure drop - Airflow

Recommended maximum pressure loss 40 Pa.



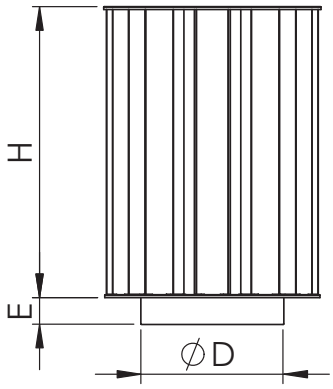
Material, dimensions and technical data

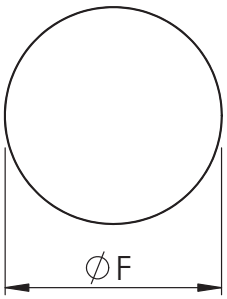
Manufactured of zinc-magnesium coated sheet steel (DX51D+ZM310). Can also be manufactured of other materials and in coated finish.

Sizes Ø 315-400 mm with a female connection which fits outside a ventilation duct and sizes Ø 500-1250 mm with VRL flange duct connection. Counterflange ordered separately.

Starting from Ø 500, equipped with lifting and anchoring bracket.

Nominal size D, mm	F, mm	H, mm	E, mm	Weight, kg	Airflow, l/s min	Airflow, l/s max
315	515	815	90	34	170	420
400	600	815	90	40	250	700
500	700	1015	90	61	400	1100
630	830	1215	100	79	610	1700
800	1000	1215	100	107	1000	2700
1000	1200	1215	100	183	1700	4000
1250	1450	1540	100	217	2500	6200

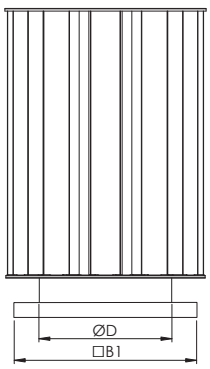


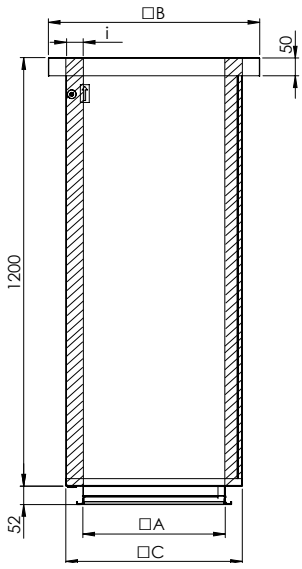


We recommend the rain-plate connection! It is the safest option for waterproofing.

URS Air intake device + MKLI Roof transition

URS+KL Air intake device	MKLI Roof transition	Nominal size URS	B1, mm	MKLI Size	A, mm	i=50 C, mm	i=50 B, mm	URS+ MKLI Weight kg
		URS 315	500	MKLI 3	300	395	495	58
		URS 400	600	MKLI 4	400	495	595	70
		URS 500	700	MKLI 5	500	595	695	97
		URS 630	800	MKLI 6	600	695	795	122
		URS 800	1000	MKLI 8	800	895	995	165
		URS 1000	1200	MKLI 10	1000	1095	1195	266
		URS 1250	1500	MKLI 13	1300	1395	1495	325





The dimensions of MKLI are with 50 mm insulation.
Data for MKLI with 100 mm insulation (EI120) see MKLI data sheet.
The standard height of the MKLI is 1200 mm.

Product code

URS - Material - D - KL-B1xB1 - RAL

Marking

Material
Standard material zinc-magnesium coated steel
H – acid-proof steel (AISI 316)

Nominal size D

Roof transition installation
KL-B1xB1 – Dimensions for roof transition connection

RAL
RAL colour, when coated

Example:
URS 315 Air intake device
URS-H 315 Air intake device (AISI 316)
URS 315-RAL7000 Air intake device (coated)
URS 315-KL-500x500 Air intake device for roof transition

ULK Air intake device

ULK is a roof-mounted ventilation system air intake device for rectangular ducts.

Features:

- Excellent storm water and snow resistance
- Solid structure
- Optimum pressure drop
- Low sound level
- Innovative design

ULK with external roof transition connection:

- Standard dimensions
- Simplifies installation
- Waterproof and safe installation

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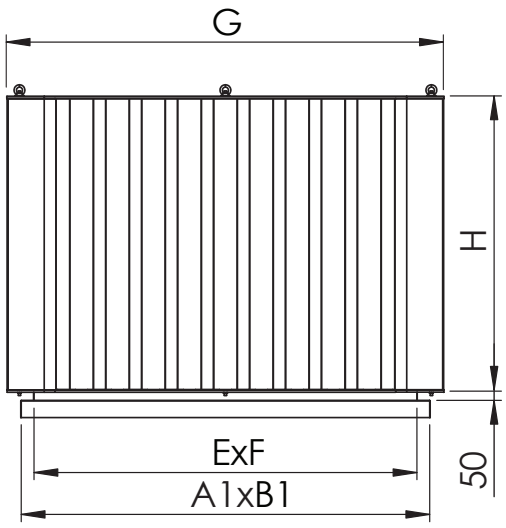
Application

Designed to operate in tough conditions. The labyrinth structure ensures good resistance (rain, snow, hail) in stormy weather (wind speeds up to 25 m/s).

Available for direct installation on roof through connection.



Material and dimensions

ULK is manufactured as standard from zinc-magnesium coated sheet steel, DX51D+ZM310. In special order can also be manufactured of other materials and in powder coated finish (RAL colorcard).

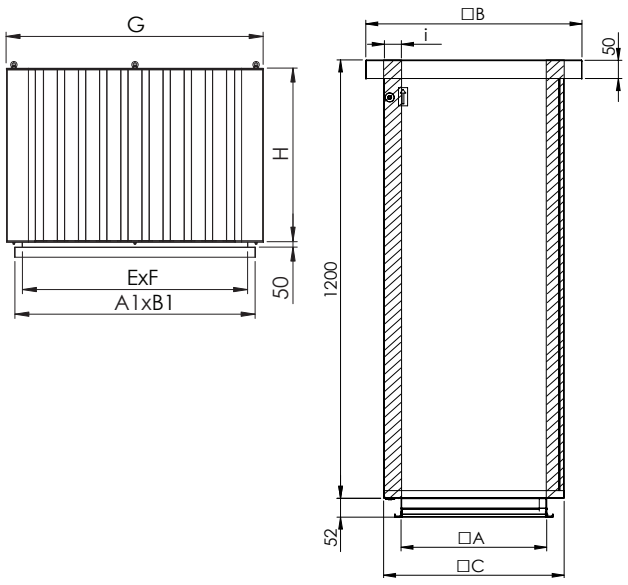
ULK air intake devices are available in several dimensions for rectangular air intake systems. Minimum duct connection dimensions are 300x300 and the maximum is 2100x2100-2000. The larger sizes are also possible for special projects.

The air intake device can be equipped with E30 europrofile for connection to a rectangular duct.

Starting from size 800x800 mm, the ULK is equipped with lifting and anchoring brackets.

Koko	Nominal size A1xB1xH, mm	E/F, mm	A1/B1, mm	G, mm	H, mm	Airflow, l/s		Suitable MKLI (50 mm insul.)
						Min	max	
3	300x300x500	300	500	625	500	200	700	MKLI 3
4	400x400x600	400	600	625	600	300	900	MKLI 4
5	500x500x800	500	700	775	800	500	1500	MKLI 5
6	600x600x900	600	800	925	900	650	2000	MKLI 6
7	700x700x1100	700	900	925	1100	800	2400	MKLI 7
8	800x800x1200	800	1000	1075	1200	1100	3100	MKLI 8
9	900x900x1400	900	1100	1225	1400	1400	4100	MKLI 9
10	1000x1000x1500	1000	1200	1225	1500	1500	4400	MKLI 10
11	1100x1100x1700	1100	1300	1375	1700	1900	5600	MKLI 11
12	1200x1200x1800	1200	1400	1525	1800	2200	6600	MKLI 12
13	1300x1300x2000	1300	1500	1525	2000	2400	7300	MKLI 13
14	1400x1400x2000	1400	1600	1675	2000	2700	8000	MKLI 14
15	1500x1500x2000	1500	1700	1825	2000	2900	8700	MKLI 15
16	1600x1600x2000	1600	1800	1825	2000	2900	8800	MKLI 16

ULK Air intake device + MKLI Roof transition

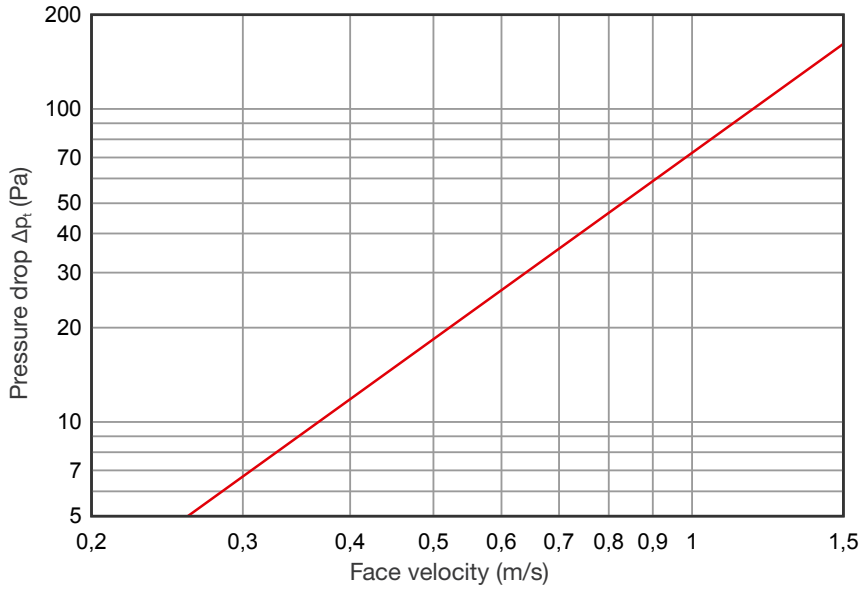


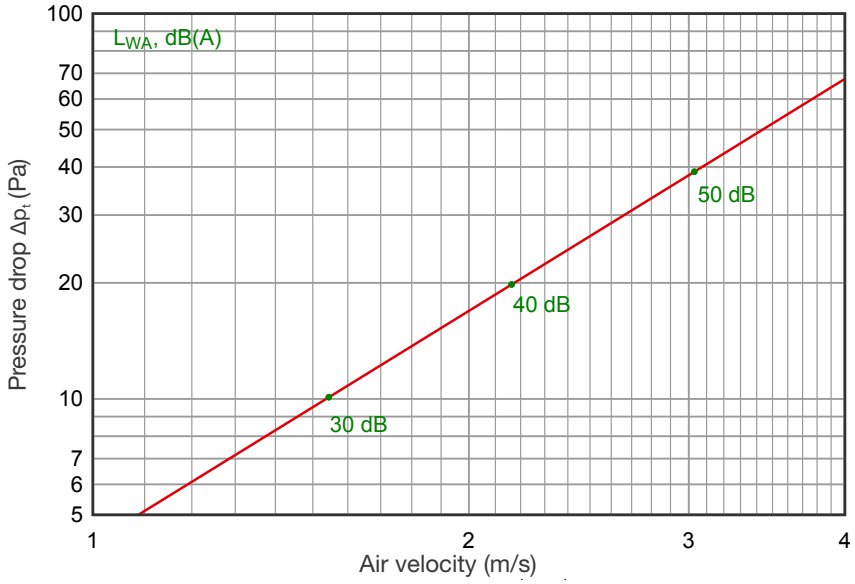
ULK+KL Air intake device	MKLI Roof transition	Size ULK	E/F, mm	A1/B1, mm	MKLI Size	B, mm	C, mm
		3	300x300	500	MKLI 3	495	295
		4	400x400	600	MKLI 4	595	395
		5	500x500	700	MKLI 5	695	495
		6	600x600	800	MKLI 6	795	595
		7	700x700	900	MKLI 7	895	695
		8	800x800	1000	MKLI 8	995	795
		9	900x900	1100	MKLI 9	1095	895
		10	1000x1000	1200	MKLI 10	1195	995
		11	1100x1100	1300	MKLI 11	1295	1095
		12	1200x1200	1400	MKLI 12	1395	1195
		13	1300x1300	1500	MKLI 13	1495	1295
		14	1400x1400	1600	MKLI 14	1595	1395
		15	1500x1500	1700	MKLI 15	1695	1495
		16	1600x1600	1800	MKLI 16	1795	1595

The dimensions of MKLI are with 50 mm insulation.
Data for MKLI with 100 mm insulation (EI120) see MKLI data sheet.
The standard height of the MKLI is 1200 mm.

Pressure drop - Airflow - Intake air

The allowed velocity of Airflow at the outer edge of the device is 0,6 m/s.





Product codes

ULK - Material - Size - H - KL-A1xB1 - q

Marking

Material
Standard material zinc-magnesium coated steel
H – acid-proof steel (AISI 316)

Size

Height H

Duct connection
KL-A1xB1 – Dimensions for roof transition connection
E30 – Europrofile 30 mm

Airflow m^3/h

Example: **ULK 500x500-500 Air intake device (650-2000 l/s)**
ULK 500x500-500-RAL7000 Air intake device (650-2000 l/s)
ULK 500x500-500-E30 Air intake device (650-2000 l/s)

ULSK Air intake device

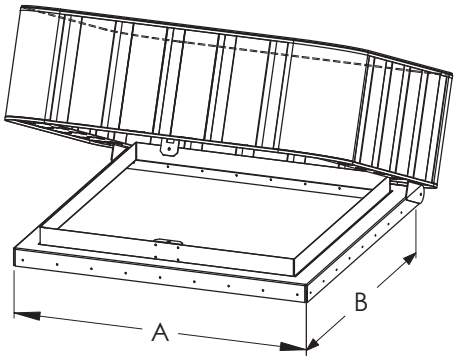
Openable rectangular air exhaust and intake device. Especially suitable for protecting combined supply and exhaust duct systems of the apartment buildings.

Features:

- Low design
- Openable
- Excellent storm water and snow resistance
- Solid structure
- Low noise

Application

ULSK is easy to open. Designed for installation above a roof transition.

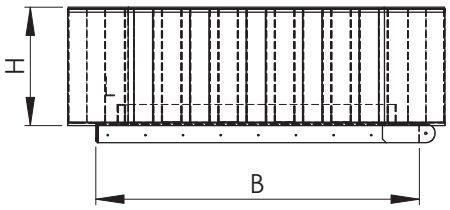


Material, dimensions and technical data

Manufactured of zinc-magnesium coated sheet steel, DX51D+ZM310. Can also be manufactured of other materials and in coated finish.

Maximum height 500 mm.

Supply airflow on the front surface of the device should not exceed 0,6 m/s. Exhaust airflow on the front surface of the device should not exceed 1,0 m/s.

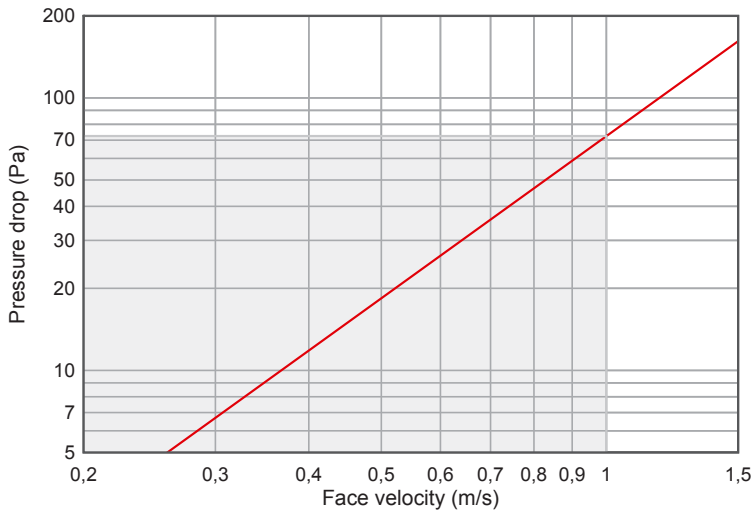


Dimensioning example:

ULSK 1200 x 1000-500 (air intake)

Maximum Airflow = ((1,2 m x 0,5 m x 2 pcs.)+(1,0 m x 0,5 m x 2 pcs.))x 1 m/s = **2,2 m³/s**

Pressure drop - Airflow - Inatke air



Product codes

ULSK - Material - A x B - Height H - q

Marking

Material
(-) – zinc-magnesium coating, standard material
Zn – galvanized steel (DX51D+Z275)
H – acid-proof steel (AISI 316)

Nominal size A x B

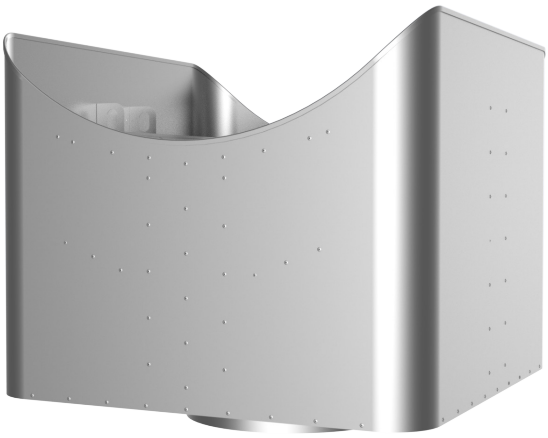
Height H

Airflow m^3/h

Example: ULSK 900x1000-300

ULV2 Exhaust air diffuser

Exhaust air diffuser with round connection. Protects the duct system from precipitation.



Features:

- Dimensions Ø160-1600 mm
- Low design
- Long vertical exhaust pattern
- Solid structure
- Low pressure loss
- Low sound level

Application

Exhaust air is blown vertically up with low pressure loss and high speed through the unit. This ensures that odours and dirt in exhaust air will not fall on the area around the exhaust diffuser.
Design of the unit efficiently prevents rainwater from entering duct. Rainwater is drained onto the roof from the base of the unit.

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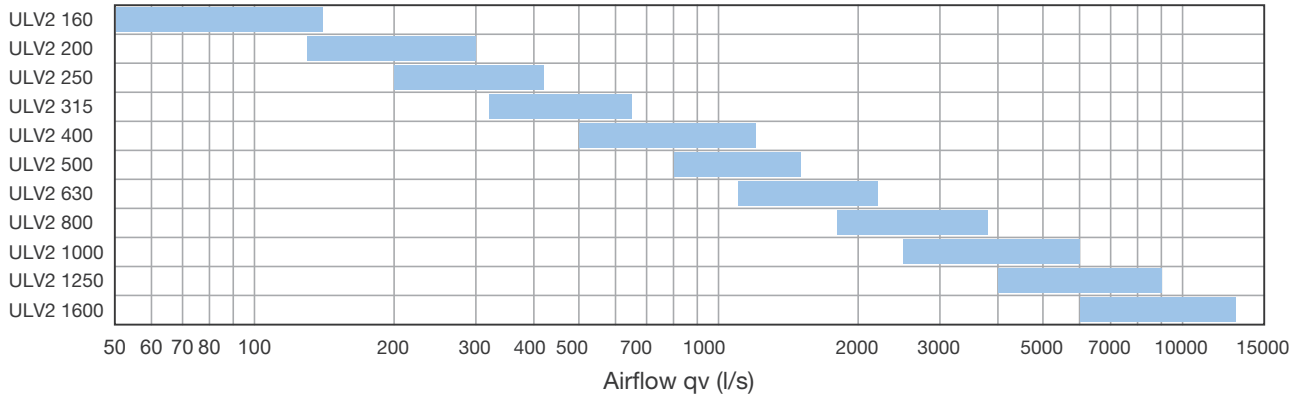
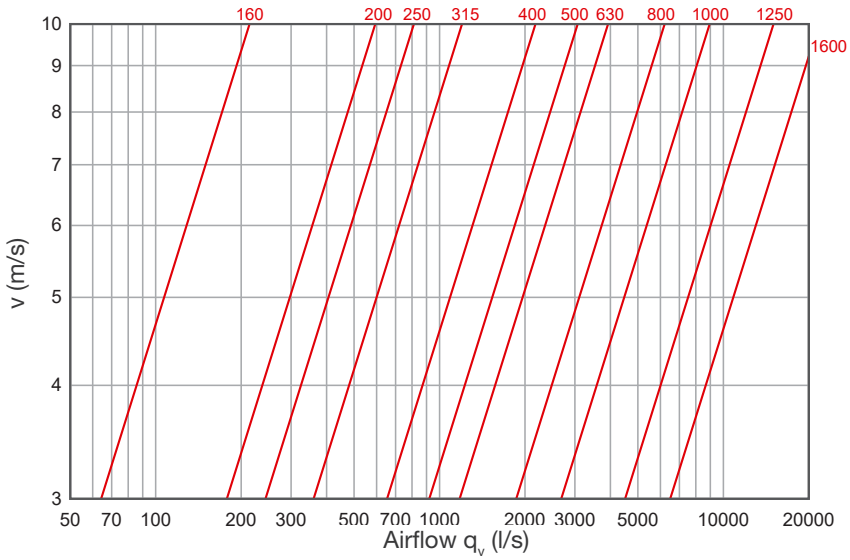
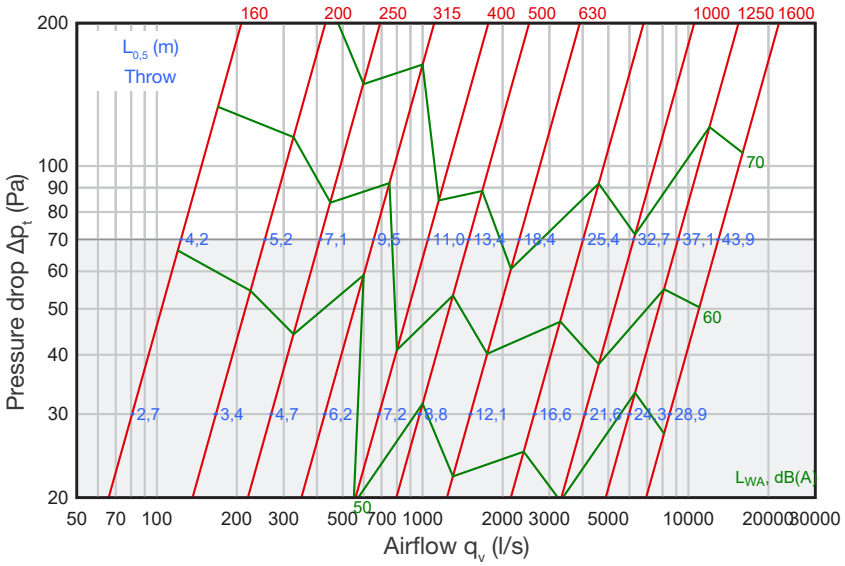
Quick selection



Pressure drop - Airflow - Extract air

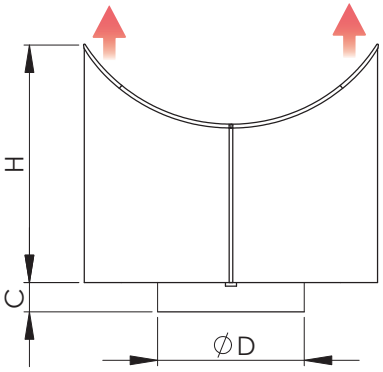


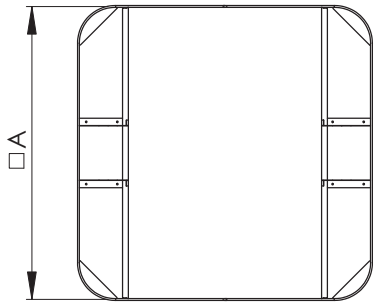


Material and dimensions

Manufactured of zinc-magnesium coated sheet steel, DX51D+ZM310. Standard: sizes Ø 160-400 mm are with a female connection which fits outside a ventilation duct and sizes Ø 500-1250 mm with VRL flange duct connection. Counterflange ordered separately.

In special order can also be manufactured of other materials and in powder coated finish (RAL colorcard).





Nominal size D, mm	A, mm	H, mm	C, mm	Weight, kg	Airflow, l/s	
					Min	max
160	340	345	100	5	50	140
200	400	300	100	7	130	300
250	500	375	100	10	200	420
315	600	450	100	14	320	650
400	800	650	100	25	500	1200
500	1000	800	100	37	700	1600
630	1200	1000	100	57	1100	2200
800	1500	1100	100	92	1800	3800
1000	1600	1200	100	121	2500	6000
1250	1900	1250	100	142	4000	9000
1600	2400	1800	100	255	6000	13000

Product codes

ULV2 - Material - D - RAL

Marking

Material
Standard – Magnelis, zinc-magnesium coating (ZM310)
H – acid-proof steel (AISI 316)

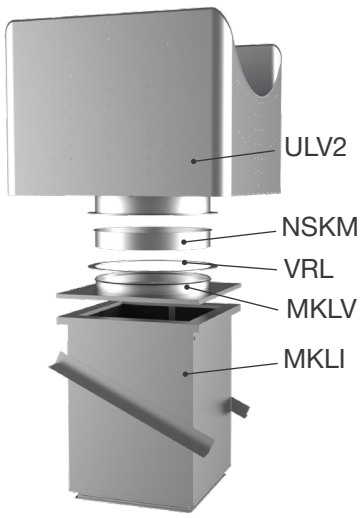
Nominal size D

RAL
RAL colour, when coated

Example: **ULV2 160 Exhaust air diffuser**
ULV2 160-RAL7000 Exhaust air diffuser (coated)

Accessories:

Appropriate accessories for connecting ULV2 to the MKLI roof transition.



ULV2	MKLI Roof transiton	MKLV Round coupling with rain-plate	VRL Flange	NSKM Take-off
ULV2 160	MKLI 2	MKLV 2-160	-	-
ULV2 200	MKLI 2	MKLV 2-200	-	-
ULV2 250	MKLI 3	MKLV 3-250	-	-
ULV2 315	MKLI 3	MKLV 3-315	-	-
ULV2 400	MKLI 4	MKLV 4-400	-	-
ULV2 500	MKLI 5	MKLV 5-500	VRL 500	NSKM 500
ULV2 630	MKLI 6	MKLV 6-630	VRL 630	NSKM 630
ULV2 800	MKLI 8	MKLV 8-800	VRL 800	NSKM 800
ULV2 1000	MKLI 10	MKLV 10-1000	VRL 1000	NSKM 1000
ULV2 1250	MKLI 13	MKLV 13-1250	VRL 1250	NSKM 1250
ULV2 1600	MKLI 16	MKLV 16-1600	VRL 1600	NSKM 1600

The dimensions of MKLV are with 50 mm insulation.
Data for MKLI with 100 mm insulation (EI120) see MKLI data sheet.
The standard height of the MKLI is 1200 mm.

ULV2I Exhaust air diffuser

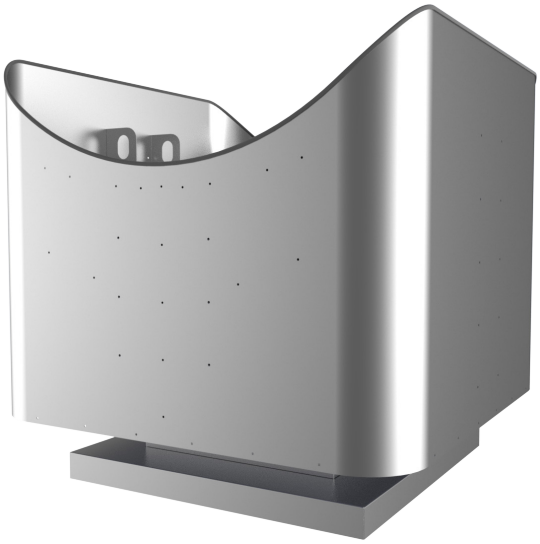
Exhaust diffuser with rectangular connections with rain-plate. Protects the duct system from precipitation.

Features:

- Low design
- Long vertical exhaust pattern
- Solid structure
- Low pressure loss
- Low sound level
- Can be installed directly in a roof transition

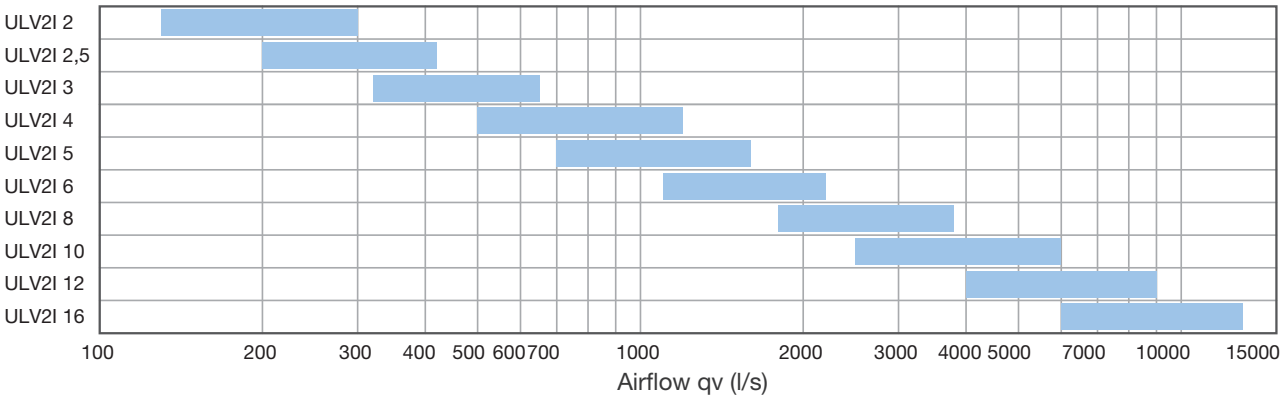
ULV2I with external roof transition connection:

- Standard dimensions
- Simplifies installation
- Waterproof and safe installation



AUTODESK REVIT MagiCAD

Quick selection



Application

Exhaust air is blown vertically up with low pressure loss and high speed through the unit. This ensures that odours and dirt in exhaust air will not fall on the area around the exhaust diffuser.

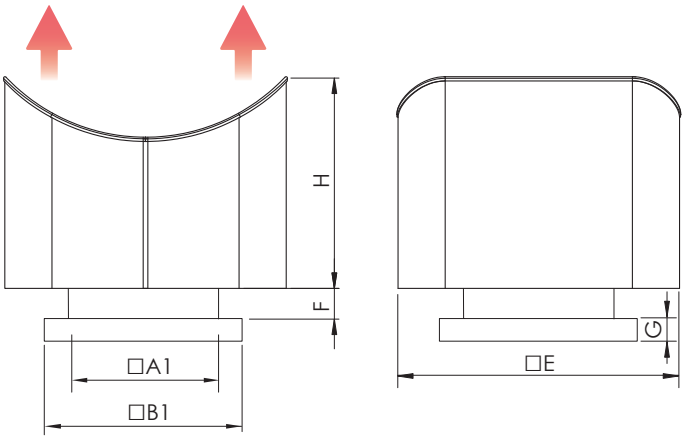
Design of the unit efficiently prevents rainwater from entering duct. Rainwater is drained onto the roof from the holes in the bottom of the exhaust diffuser.

Material, dimensions and technical data

Manufactured of zinc-magnesium coated sheet steel, DX51D+ZM310.

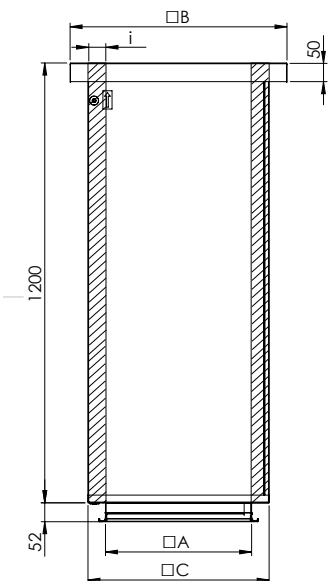
Standard product is square.

Can also be manufactured of other materials and in coated finish.



Size	A, mm	B, mm (i=50 mm)	E, mm	H, mm	F, mm	G, mm	Paino, kg	Airflow, l/s		Suitable MKLI (50 mm insul.)
								Min	max	
2	200	400	400	300	100	50	7	130	300	MKLI 2
2,5	250	500	500	375	100	50	12	200	420	MKLI 3
3	300	500	600	450	100	50	14	320	650	MKLI 3
4	400	600	800	650	100	50	25	500	1200	MKLI 4
5	500	700	1000	800	100	50	37	700	1600	MKLI 5
6	600	800	1200	1000	100	50	57	1100	2200	MKLI 6
8	800	1000	1500	1100	100	50	92	1800	3800	MKLI 8
10	1000	1200	1600	1200	100	50	121	2500	6000	MKLI 10
12	1200	1400	1900	1250	100	50	142	4000	9000	MKLI 12
16	1600	1800	2400	1800	100	50	255	6000	13000	MKLI 16

Installing ULV2I onto the MKLI roof transition

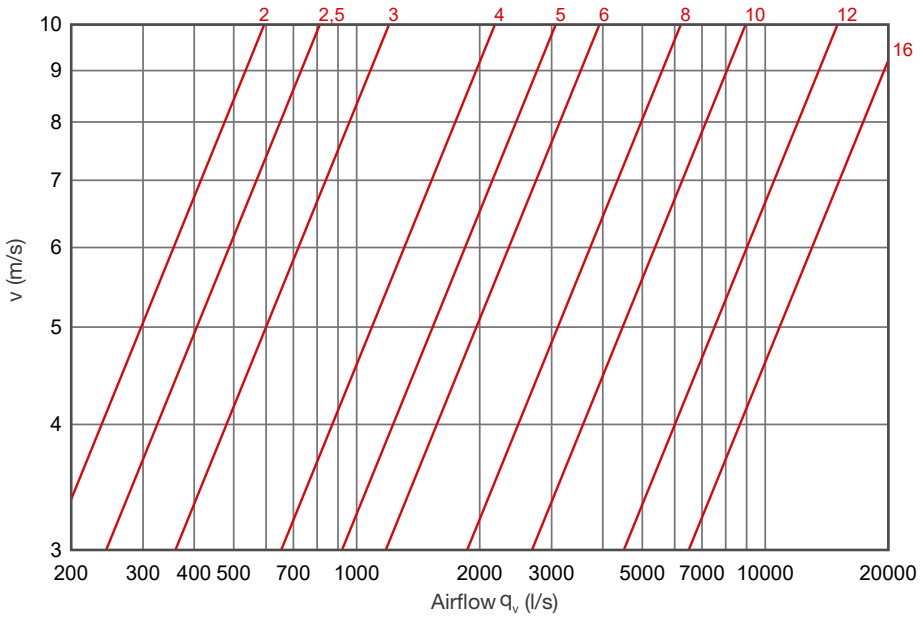


ULV2I+MKLI	MKLI	Size	A, mm	i=50		ULV2I+MKLI Weight, kg
				C, mm	B, mm	
		2	200	295	395	24
		2,5	300	395	495	29
		3	300	395	495	38
		4	400	495	595	55
		5	500	595	695	73
		6	600	695	795	100
		8	800	895	995	150
		10	1000	1095	1195	204
		12	1200	1295	1395	242
		16	1600	1695	1795	390

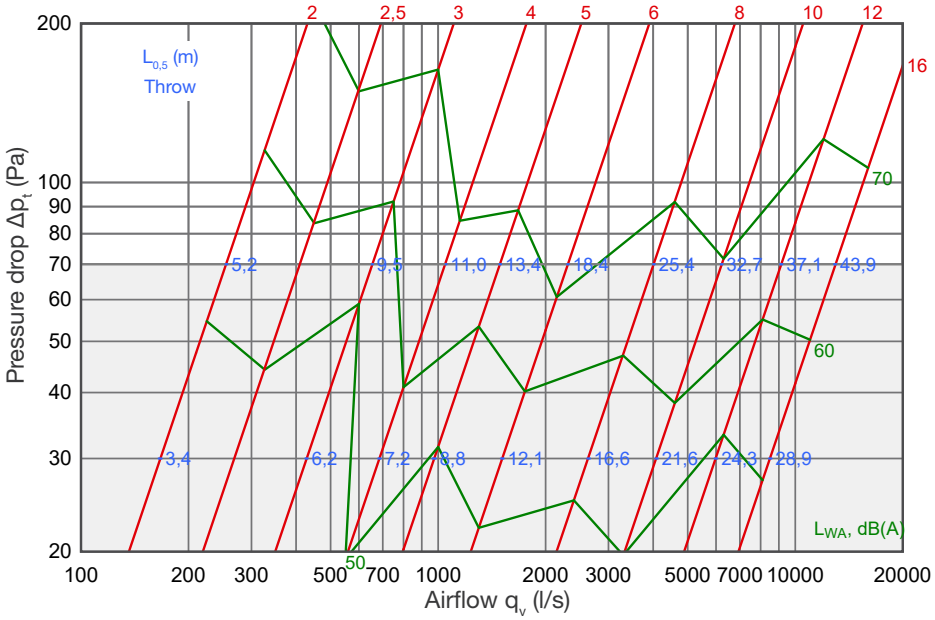
The dimensions of MKLI are with 50 mm insulation.
Data for MKLI with 100 mm insulation (EI120) see MKLI data sheet.
The standard height of the MKLI is 1200 mm.

Technical data

Exhaust air speed



Pressure drop - Airflow - Exhaust air



Product codes

ULV2I - Material - Size - KL-B1xB1 - RAL

Marking

Material

Standard	–	Magnelis, zinc-magnesium coating (ZM310)
H	–	acid-proof steel (AISI 316)

Size

Duct connection

KL-B1xB1	–	Dimensions for roof transition connection
E30-A1xA1	–	Europrofile connection 30 mm

RAL

RAL colour, when coated

Example: ULV2I 4-KL-600x600 Exhaust air diffuser
ULV2I 4-H-KL-600x600 Exhaust air diffuser (AISI 316)
ULV2I 4-KL-600x600 RAL7000 Exhaust air diffuser (coated)

ULV2P Exhaust air diffuser

Rectangular exhaust diffuser with rectangular connections. Protects the duct system from precipitation.

Features:

- Low design
- Long vertical exhaust pattern
- Solid structure
- Low pressure loss
- Low sound level
- Unique form
- Can be installed directly in a roof transition

Application

Exhaust air is blown vertically up with low pressure loss and high speed through the unit. This ensures that odours and dirt in exhaust air will not fall on the area around the exhaust diffuser.

Design of the unit efficiently prevents rainwater from entering duct. Rainwater is drained onto the roof from the base of the unit.

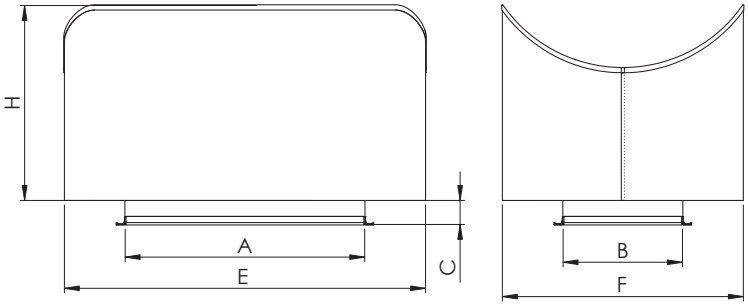
Material, dimensions and technical data

ULV2P is manufactured of zinc-magnesium coated sheet steel, DX51D+ZM310.

As standard the ULV2P is equipped with europrofile E30.

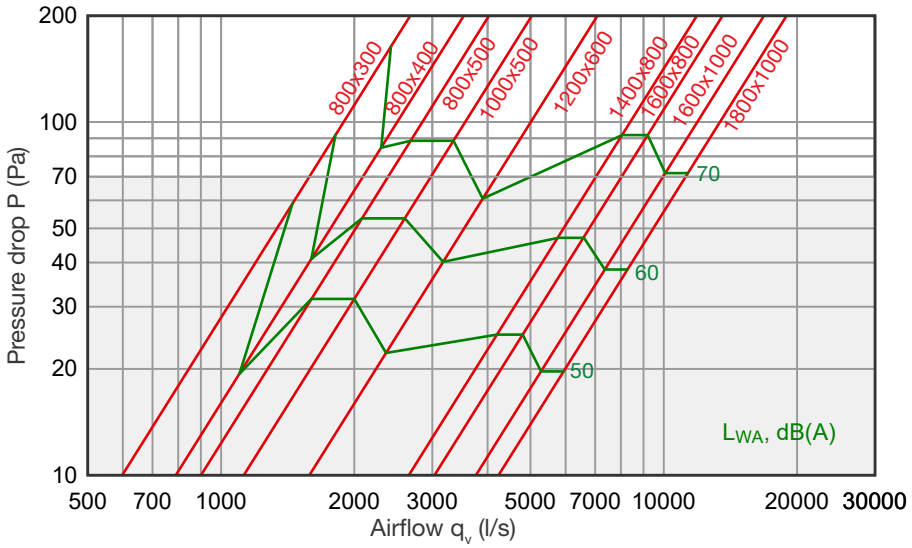
Can also be manufactured of other materials and in coated finish.

In addition, it is possible to order a exhaust air diffuser with a rain-plate connection (KL), which fits directly into the roof transition (MKL, MKLI).
The variable side is side A.



Nominal size	A, mm	B, mm	E mm	F mm	H, mm	C, mm	Weight, kg
800x300	800	300	1100	600	450	100	35
800x400	800	400	1200	800	650	100	48
800x500	800	500	1300	1000	800	100	62
1000x500	1000	500	1500	1000	800	100	72
1200x600	1200	600	1800	1200	1000	100	109
1400x800	1400	800	2100	1500	1100	100	115
1600x800	1600	800	2300	1500	1100	100	145
1600x1000	1600	1000	2200	1600	1200	100	155
1800x1000	1800	1000	2400	1600	1200	100	170

Pressure drop - Airflow - Extract air



Product code

ULV2P - Material - A x B - E30 - RAL

Marking

Material
Standard - zinc-magnesium coating (ZM310)
H – acid-proof steel (AISI 316)

Nominal size A x B

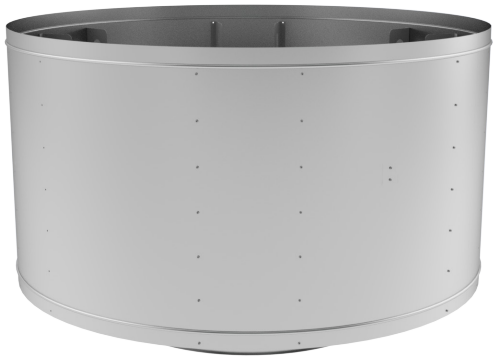
Duct connection
E30 - europrofile connection 30 mm
KL A1xB1 - Dimensions for roof transition connection

RAL
RAL colour, when coated

Example: **ULV2P 1000x500-E30 Exhaust air diffuser with E30-profile**
ULV2P 1000x500-E30-RAL7000 Exhaust air diffuser with E30-profile (coated)

UVE Roof hood

Round roof hood that is suitable for both exhaust or free flow ventilation systems.



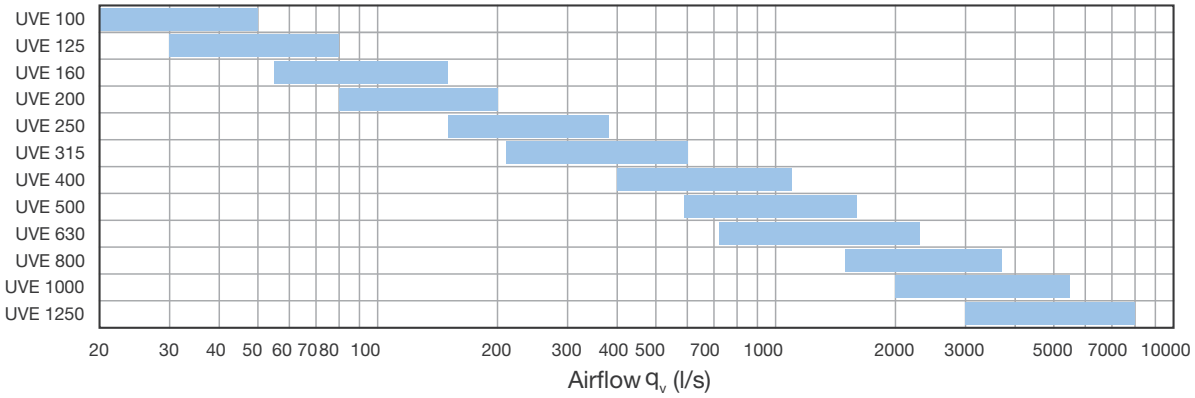
Features:

- Low design
- Solid structure
- Low pressure loss

Application

Used for exhaust air and air intake. Rainwater is drained onto the roof by the structure of the hood.

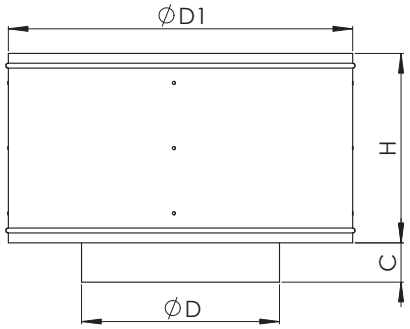
Quick selection



Material and sizes

Standard material zinc-magnesium coated sheet steel, DX51D+ZM310. Can also be manufactured of other materials and in coated finish.

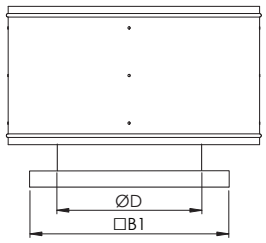
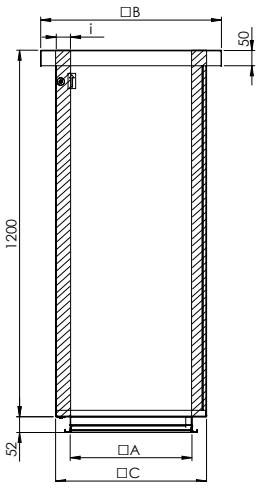
Sizes Ø 100-400 mm are with a female connection which fits outside a ventilation duct and sizes Ø 500-1250 mm with VRL flange duct connection. Counterflange ordered separately.



Nominal size mm	D1	H	C	Weight, kg	Airflow, l/s	
					Min	max
100	160	140	80	1,2	20	50
125	200	160	80	1,6	30	80
160	250	200	80	2,4	55	150
200	315	240	80	3,5	80	200
250	400	270	80	5,0	150	380
315	500	360	80	8,2	210	600
400	700	380	80	13,0	400	1100
500	900	440	130	23,0	590	1600
630	1100	570	130	35,0	720	2300
800	1400	750	130	54,0	1500	3700
1000	1700	970	130	74,0	2000	5500
1250	2100	1200	130	155,0	3000	8000

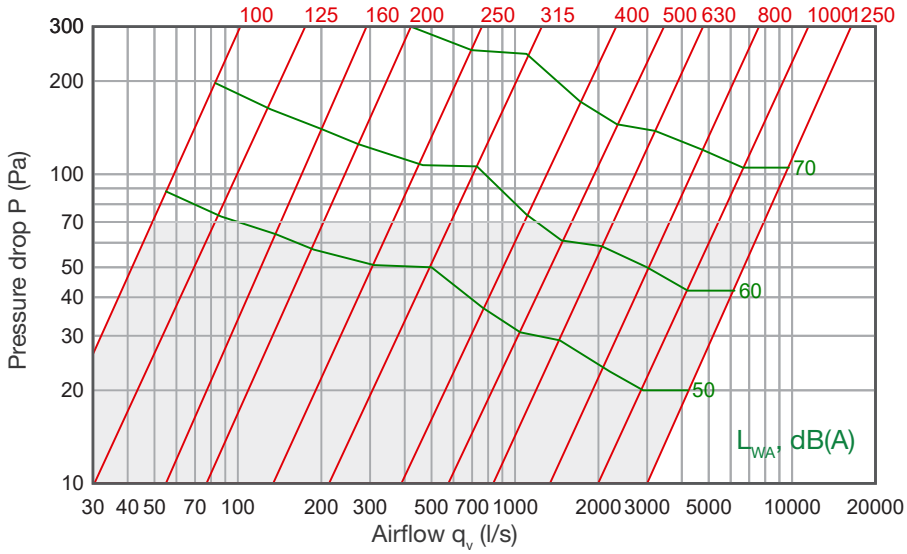
UVE Roof hood + MKLI Roof transition

We recommend the rain-plate connection (KL), which fits directly into the roof transition! It is the safest option for waterproofing.

UVE+MKLI	MKLI	UVE	B1, mm	MKLI Size	A, mm	i=50		UVE+ MKLI Weight, kg
						C, mm	B, mm	
		100	400	MKLI 2	200	295	395	18,2
		125	400	MKLI 2	200	295	395	18,6
		160	400	MKLI 2	200	295	395	19,4
		200	400	MKLI 2	200	295	395	20,5
		250	500	MKLI 3	300	395	495	29,0
		315	500	MKLI 3	300	395	495	33,0
		400	600	MKLI 4	400	495	595	43,0
		500	700	MKLI 5	500	595	695	59,0
		630	800	MKLI 6	600	695	795	78,0
		800	1000	MKLI 8	800	895	995	112,0
		1000	1200	MKLI 10	1000	1095	1195	157,0
		1250	1500	MKLI 13	1300	1395	1495	263,0

The dimensions of MKLI are with 50 mm insulation.
Data for MKLI with 100 mm insulation (EI120) see MKLI data sheet.
The standard height of the MKLI is 1200 mm.

Pressure drop - Airflow - Extract air



Product codes

UVE - Material - D - KL-B1xB1 - RAL

Marking

Material
- Standard – Magnelis, zinc-magnesium coating (ZM310)
- H – acid-proof steel (AISI 316)

Size

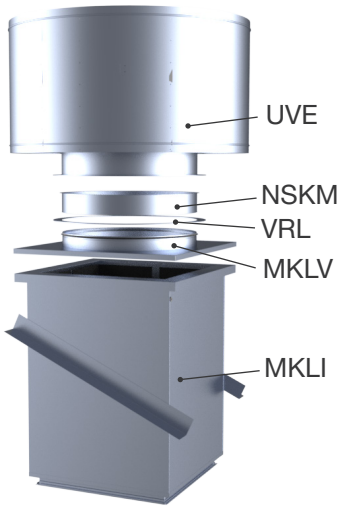
Duct connection
- KL-B1xB1 – Dimensions for roof transition connection
- E30-A1xA1 – Europrofile connection 30 mm

RAL
RAL colour, when coated

Example: **UVE 315-KL-500x500 Roof hood**
UVE 315-KL-500x500-RAL7000 Roof hood (coated)

Accessories

Appropriate accessories for connecting UVE to the MKLI roof transition.



UVE	MKLI (50 mm insul.)	MKLV Rain-plate with round connection	VRL Flange	NSKM Saddle
UVE 100	MKLI 2	MKLV 2-100	-	-
UVE 125	MKLI 2	MKLV 2-125	-	-
UVE 160	MKLI 2	MKLV 2-160	-	-
UVE 200	MKLI 2	MKLV 2-200	-	-
UVE 250	MKLI 3	MKLV 3-250	-	-
UVE 315	MKLI 3	MKLV 3-315	-	-
UVE 400	MKLI 4	MKLV 4-400	-	-
UVE 500	MKLI 5	MKLV 5-500	VRL 500	NSKM 500
UVE 630	MKLI 6	MKLV 6-630	VRL 630	NSKM 630
UVE 800	MKLI 8	MKLV 8-800	VRL 800	NSKM 800
UVE 1000	MKLI 10	MKLV 10-1000	VRL 1000	NSKM 1000
UVE 1250	MKLI 13	MKLV 13-1250	VRL 1250	NSKM 1250

The dimensions of MKLV are with 50 mm insulation.
Data for MKLI with 100 mm insulation (EI120) see MKLI data sheet.
The standard height of the MKLI is 1200 mm.

UVKI Roof hood

UVKI rectangular roof hood both exhaust or free flow ventilation systems.

Features:

- Low design
- Excellent water separation
- Solid structure
- Low pressure loss
- 12 standard dimensions

UVKI with external roof transition connection:

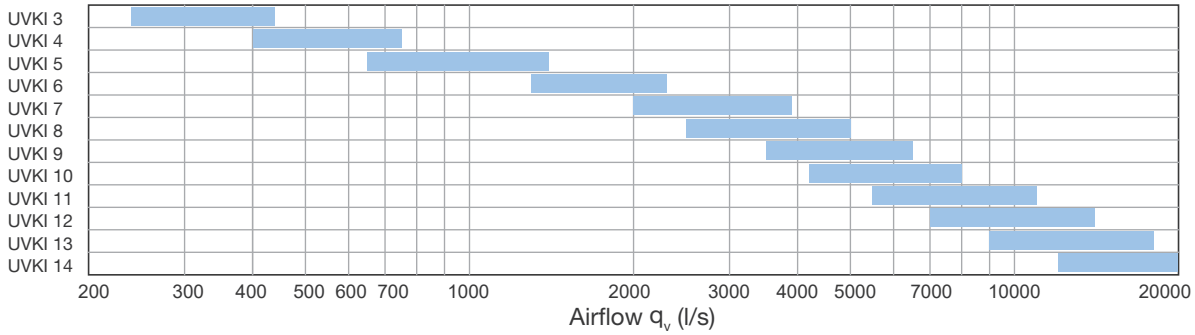
- 12 standard dimensions
- Simplifies installation
- Waterproof and safe installation

Application

Suitable for both natural and mechanical ventilation.

Rainwater is drained onto the roof by the structure of the hood.

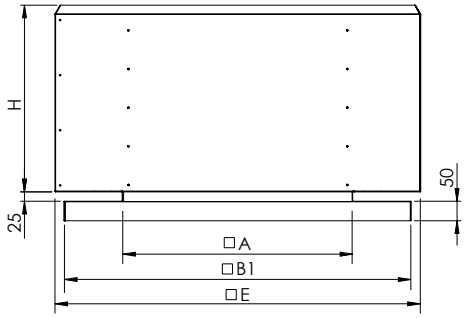
Quick selection



Material and sizes

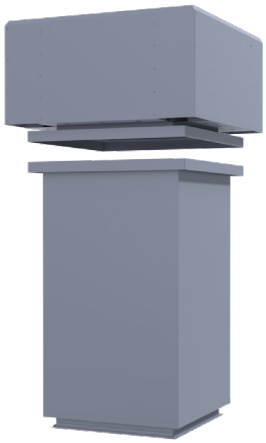
Manufactured of zinc-magnesium coated sheet steel DX51D+ZM310. Can also be manufactured of other materials and in coated finish. As standard the roof hood is manufactured with a rain-plate connection for installation above MKLI roof transition.

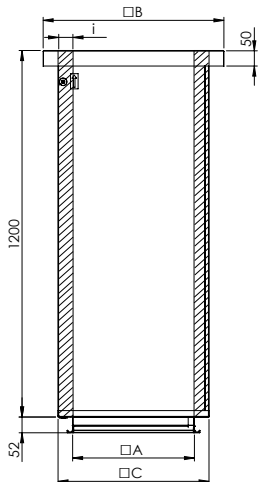
For the lifting there are slots in the internal supports.



Size	E, mm	H, mm	A, mm	B1, mm	Weight, kg	Airflow, l/s	
						Min	max
3	460	270	300	500	10	240	440
4	620	330	400	600	15	400	750
5	785	435	500	700	25	650	1400
6	950	485	600	800	33	1300	2300
7	1115	545	700	900	44	2000	3900
8	1280	605	800	1000	58	2500	5000
9	1450	655	900	1100	67	3500	6500
10	1620	762	1000	1200	96	4200	8000
11	1795	815	1100	1300	107	5500	11000
12	1970	860	1200	1400	125	7000	14000
13	2150	910	1300	1500	145	9000	18000
14	2350	959	1400	1600	170	12000	20000

UVKI Roof hood + MKLI Roof transition

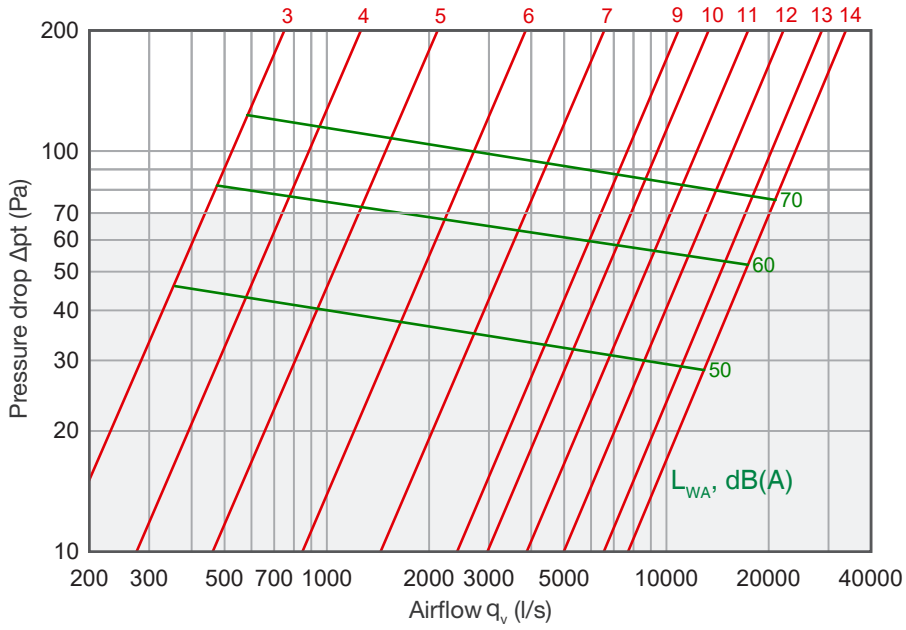




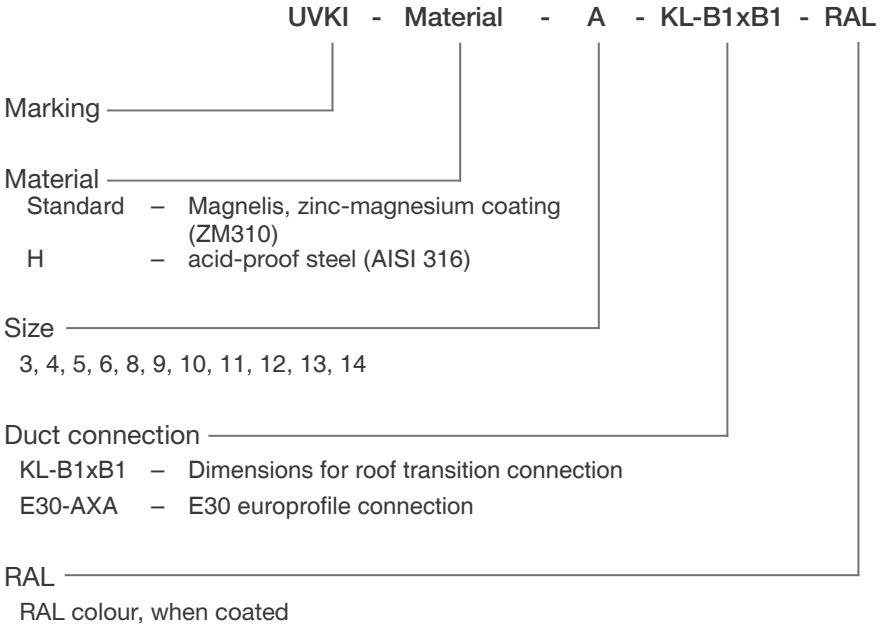
UVKI+MKLI	MKLI	UVKI Size	MKLI Size	A, mm	i=50		UVKI+ MKLI Weight, kg
					C, mm	B, mm	
		3	3	300	395	495	34
		4	4	400	495	595	45
		5	5	500	595	695	61
		6	6	600	695	795	76
		7	7	700	795	895	95
		8	8	800	895	995	116
		9	9	900	995	1095	142
		10	10	1000	1095	1195	179
		11	11	1100	1195	1295	198
		12	12	1200	1295	1395	225
		13	13	1300	1395	1495	253
		14	14	1400	1495	1595	287

The dimensions of MKLI are with 50 mm insulation.
Data for MKLI with 100 mm insulation (EI120) see MKLI data sheet.
The standard height of the MKLI is 1200 mm.

Pressure drop - Airflow - Extract air



Product codes



Example: **UVKI 4 Roof hood**
UVK-H 4 Roof hood, AISI316
UVKI 4-RAL7005 Roof hood (coated)

UHC Combi hood

MagiCAD

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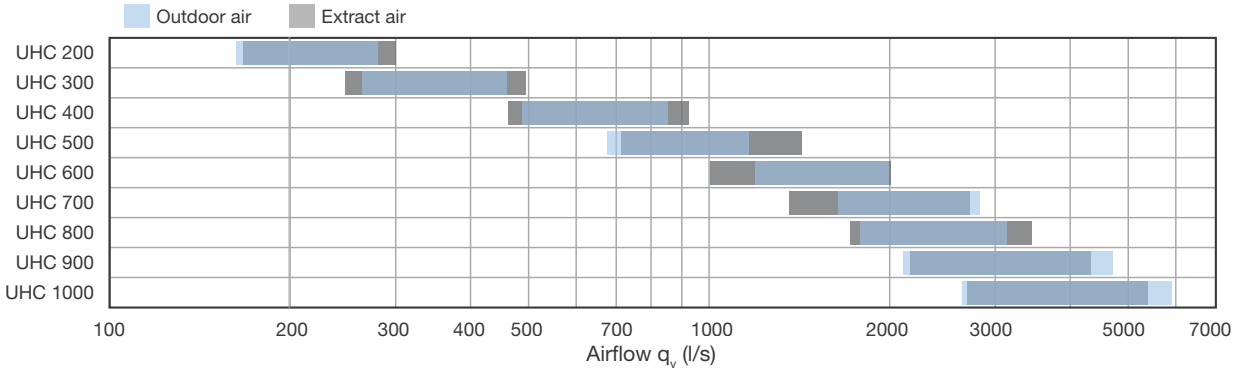
- Sizes 200-1100 airflow 100-5800 l/s
- UHC roof hood is a unique desing combi hood for air intake and exhaust
- UHC is manufactured of zinc-magnesium coated sheet steel, that has high corrosion resistance
- Minimal risk of mixing supply and exhaust air
- Good water and snow penetration
- High exhaust air speed that ensures smooth and long throw length
- Strong construction
- Low pressure loss
- Low noise level

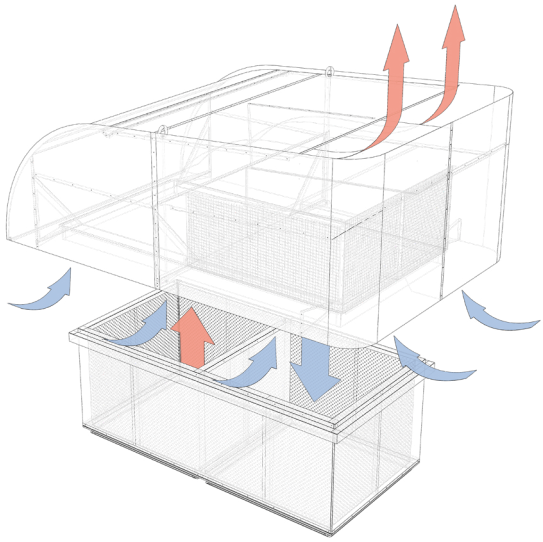
Quick selection



Application

UHC is a combination roof hood that is intended for fresh air intake and exhaust air blow out. The exhaust section directs the air straight up. This ensures that odours and dirt in exhaust air will not fall aruond the unit. Fresh outdoor air intake is under the edge. Design of the unit efficiently prevent rainwater entering the air duct. Rainwater is drained onto the roof.

The UHC has a UHCT prefabricated roof transition that can be used.



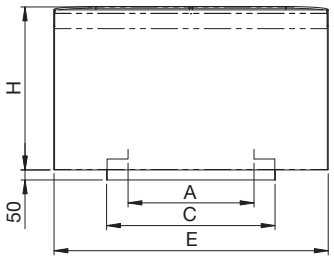
Material and dimensions

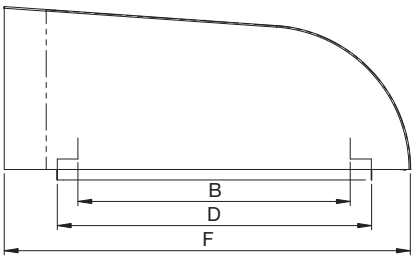
UHC is manufactured of zinc-magnesium coated sheet steel DX51D+ZM310. It can be manufactured of other materials and with coated finish.

As standard the roof hood is designed for installation with a roof transition UHCT.

For the lifting there is lifting brackets.

Nominal size	Free area	
	Outdoor air m^2	Extract air m^2
200	0,128	0,030
300	0,171	0,050
400	0,286	0,100
500	0,398	0,141
600	0,580	0,220
700	0,735	0,302
800	0,825	0,389
900	1,003	0,462
1000	1,200	0,578

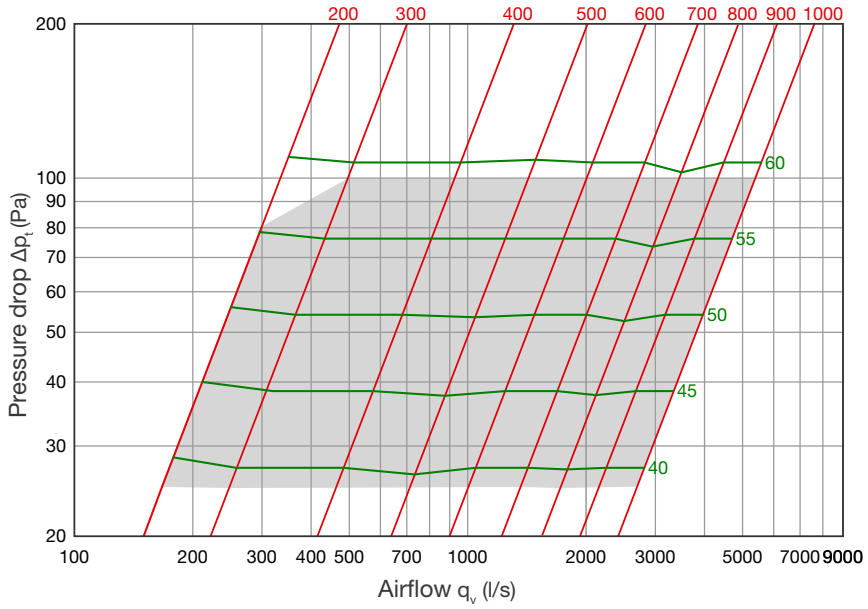




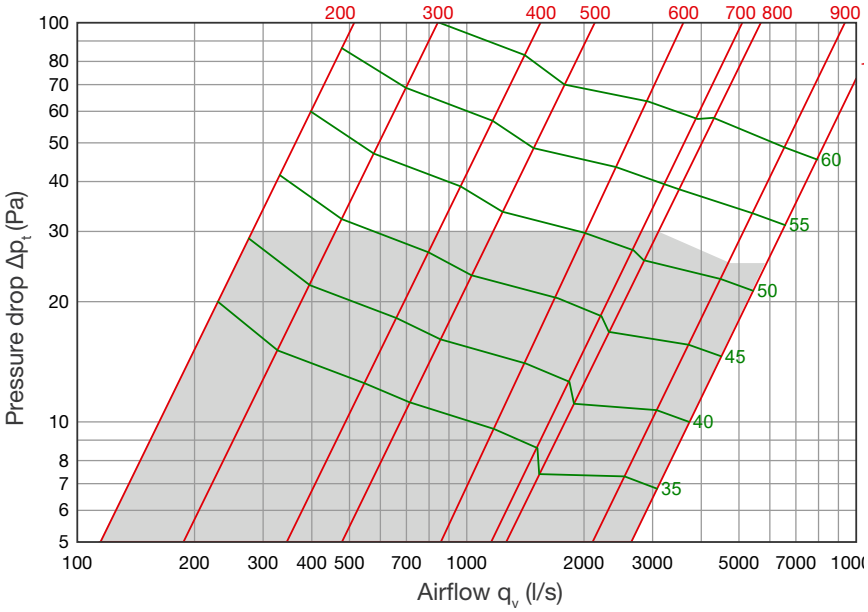
Nominal size	C	D	A	B	E	F	H	UHCT (50 mm insul.)
200	400	700	200	500	706	992	425	UHCT 200
300	500	900	300	700	806	1192	510	UHCT 300
400	600	1100	400	900	1006	1455	595	UHCT 400
500	700	1300	500	1100	1156	1690	680	UHCT 500
600	800	1500	600	1300	1306	1936	775	UHCT 600
700	900	1700	700	1500	1456	2160	850	UHCT 700
800	1000	1900	800	1700	1556	2370	970	UHCT 800
900	1100	2100	900	1900	1706	2600	1015	UHCT 900
1000	1200	2300	1000	2100	1856	2840	1120	UHCT 1000

Technical data

Pressure drop - Airflow - Extract air



Pressure drop - Airflow - Outdoor air



Extract air

Sound power level $L_{W,okt}$ in octave band $L_W = L_{WA} + K_{okt}$

Product	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)							
	63	125	250	500	1k	2k	4k	8k
UHC 200	1	5	3	-1	-7	-15	-24	-31
UHC 300	3	6	3	-1	-7	-15	-24	-31
UHC 400	6	6	4	-2	-7	-16	-24	-30
UHC 500	9	7	4	-2	-8	-16	-24	-30
UHC 600	10	7	4	-2	-8	-16	-25	-30
UHC 700	11	8	5	-3	-8	-16	-26	-31
UHC 800	13	8	5	-3	-9	-17	-27	-32
UHC 900	14	8	5	-3	-9	-17	-28	-32
UHC 1000	15	9	6	-4	-10	-18	-29	-33

Sound attenuation - Extract air

Product	Sound attenuation D_{okt} (dB)							
	63	125	250	500	1k	2k	4k	8k
UHC 200	18	16	18	29	28	22	18	13
UHC 300	14	13	16	25	25	19	16	13
UHC 400	10	11	14	22	22	16	14	14
UHC 500	7	9	12	20	19	14	13	14
UHC 600	7	9	12	18	17	12	12	13
UHC 700	8	8	11	16	14	10	10	11
UHC 800	9	7	10	14	11	9	8	9
UHC 900	9	7	10	12	10	8	6	8
UHC 1000	10	6	9	10	9	6	5	7

Outdoor air

Sound power level $L_{W,okt}$ in octave band $L_W = L_{WA} + K_{okt}$

Product	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)							
	63	125	250	500	1k	2k	4k	8k
UHC 200	3	6	2	-1	-8	-11	-16	-22
UHC 300	4	4	1	-1	-6	-11	-17	-24
UHC 400	6	3	-1	-2	-5	-10	-18	-26
UHC 500	7	2	-1	-3	-4	-10	-19	-28
UHC 600	9	3	1	-3	-5	-11	-21	-29
UHC 700	12	6	3	-3	-7	-13	-24	-30
UHC 800	14	9	4	-3	-8	-15	-26	-32
UHC 900	16	12	5	-3	-9	-16	-28	-33
UHC 1000	18	13	6	-4	-10	-17	-30	-34

Sound attenuation - Outdoor air

Product	Sound attenuation D_{okt} (dB)							
	63	125	250	500	1k	2k	4k	8k
UHC 200	20	17	17	26	28	21	18	13
UHC 300	15	14	15	24	24	19	16	13
UHC 400	12	10	13	22	21	17	14	14
UHC 500	10	8	10	19	19	15	13	14
UHC 600	10	8	9	17	17	12	11	12
UHC 700	9	7	8	15	15	10	10	10
UHC 800	9	6	8	12	12	8	8	8
UHC 900	9	6	8	11	10	7	7	8
UHC 1000	8	5	7	10	8	6	6	7

Reduction in sound pressure level depending on distance from roof hood calculated on half-spherical propagation.

Distance, m	5	25	50	75	100	150
Reduction, L_W dB(A)	-25	-39	-45	-48	-51	-54

Product codes

UHC - Material - Size A - RAL

Marking

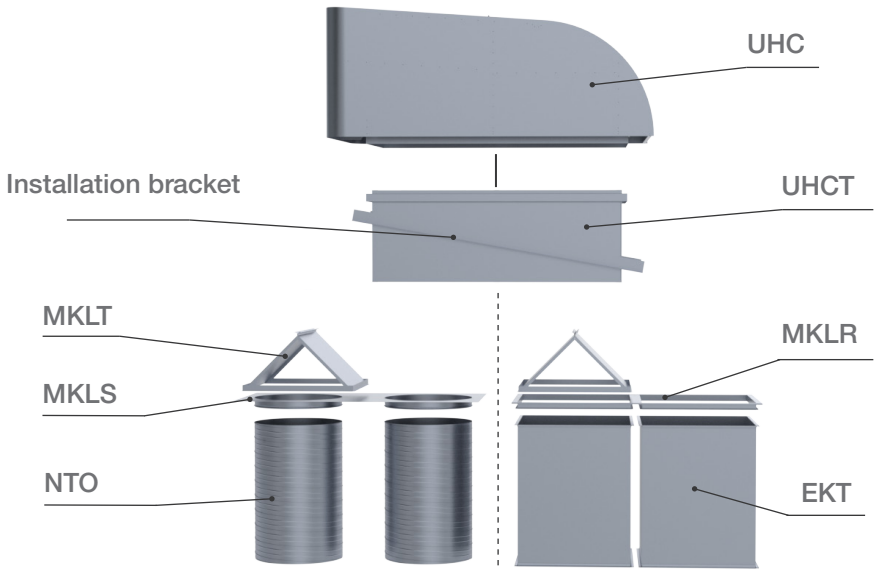
Material
(-) – zinc-magnesium coating, standard material
Zn – galvanized steel (DX51D+Z275)
H – acid-proof steel (AISI 316)

Nominal size A

RAL
RAL colour, when coated

Example: **UHC 400 Roof hood**
UHC-H 400 Roof hood, AISI 316
UHC 400 RAL 7000 Roof hood

Optional accessories:



UHCT Roof transition

Roof transition for UHC combi hood.

UHCT is easily adapted for required roof incline by angle brackets.

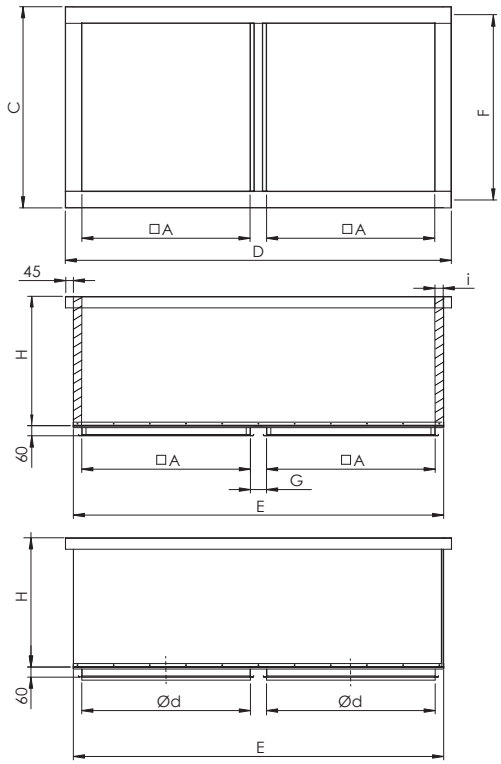
- Manufactured of zinc-magnesium coated steel sheet
- Can be ordered made of special materials
- Inner shell perforated steel sheet as standard, also acts as silencer
- Standard height 1200 mm

Material and dimensions

As standard manufactured of zinc-magnesium coated sheet steel (DX51D+ZM310) and insulated with 50 mm mineral wool. UHCT inner shell is made of perforated sheet steel.

Possible to produce with 100 mm fire insulation mineral wool (compliance to EI60-EI 120 class) and non-perforated sheet steel inner shell. Used fire insulation meets the testing methods requirements according to EN1366-1 and is VTT certified. Fire insulation strengths in accordance with EN-13501-1.

Standard height 1200 mm (also 800, 1000, 1500 mm). For installation through sloping roofs the roof transition comes as standard with two installation brackets (100x100x1,2 L=E+400).



UHCT Nominal size	Insulation i=50 mm A	Insulation i=50 mm G	Insulation i=100 mm A	Insulation i=100 mm G	C	D	E	F
200	200	95	-	195	400	700	600	300
300	300	95	200	195	500	900	800	400
400	400	95	300	195	600	1100	1000	500
500	500	95	400	195	700	1300	1200	600
600	600	95	500	195	800	1500	1400	700
700	700	95	600	195	900	1700	1600	800
800	800	95	700	195	1000	1900	1800	900
900	900	95	800	195	1100	2100	2000	1000
1000	1000	95	900	195	1200	2300	2200	1100
1100	1100	95	1000	195	1300	2500	2400	1200

Product codes

UHCT - Inner shell - Insulation - Material - Size A - Height H - Lower connection

Marking

Inner shell
1 - perforated (as standard)
2 - sheet steel

Insulation
50 - mineral wool 50 mm
EI120 – fire insulation, 100 mm

External material
Zinc-magnesium coating (ZM310), standard material
Zn – galvanized steel (Z275)
H – acid-proof steel (AISI 316)

Nominal size A

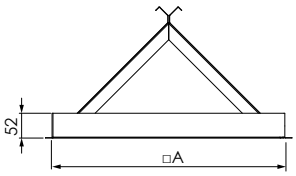
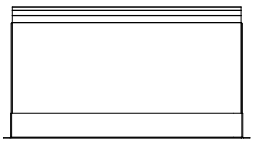
Height H
Standard height 1200 mm (800, 1000, 1500 mm)

Lower connection
Diameter D - Connection for round duct
Sise A - Connection for rectangular duct

Example: **UHCT-1-50 400-1000**
UHCT-2-100- 600-800

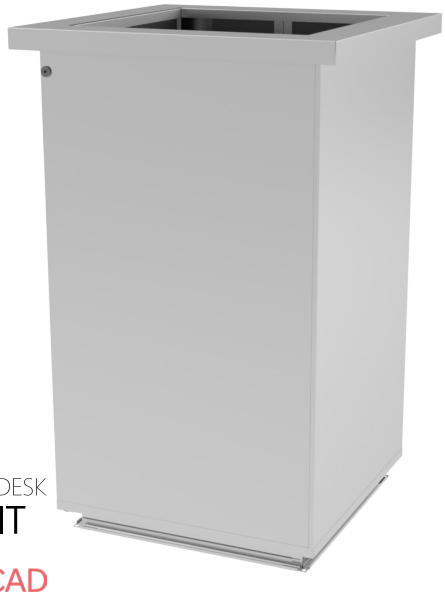
Accessories:

Order by measurements:

MKLT Non return damper	**Product marking**
  	MKLT AxA

MKLI Roof transition

- **15 standardmõõtu: duct dimensions 200x200 up to 1600x1600 mm**
- Material Magnelis (zinc-magnesium coated steel sheet)
- **Standard height 1200 mm**
- **Can be ordered with EI120 fire insulation**
- **On special order, we manufacture special dimensions and from special materials, including painted**



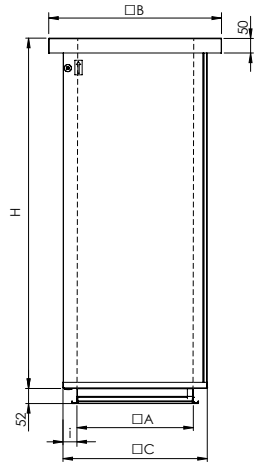
The MKLI roof transition is designed for installation with roof hoods, air intake devices and a roof fan. For connection with the roof fan, the MKLI is also equipped with an electrical cable conduit.
The MKLI roof transition can be easily installed in the roof structure by the angle brackets.
Factory-made roof transition with suitable roof hoods ensure the best waterproof and safe solution.

AUTODESK REVIT
MagiCAD

Material and dimensions

- As standard manufactured of zinc-magnesium coated sheet steel (ZM310) and insulated with 50 mm mineral wool.
- Connecting with rectangular duct the roof transition is equipped with E20 profile
- For insulation material is used Cleantec coated mineral wool slab
- Possible to produce with 100 mm fire insulation mineral wool (compliance to EI 120 class) and non-perforated sheet steel inner shell. Used fire insulation meets the testing methods requirements according to EN1366-1 and is VTT certified. Fire insulation strengths in accordance with EN-13501-1.
- Standard height 1200 mm. Other heights can be ordered (800-2000 mm).
- As standard, the roof transition is equipped with cable conduit for electric cable installation. The cable drawn in through the bottom of the roof transition and exit 100 mm from the top edge.
- For installation the roof transition comes as standard with two installation brackets (100x100x1,2 L=1200).
- As an accessory, a non-return damper and a fitting for rectangular or round duct/roof hood connection.

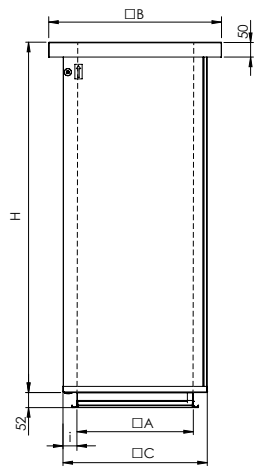
MKLI with 50 mm insulation



Opening size = C+20 mm

Size	A, mm	C, mm	B mm	Weight, kg
2	200	295	395	17
3	300	395	495	24
4	400	495	595	30
5	500	595	695	36
6	600	695	795	43
7	700	795	895	51
8	800	895	995	58
9	900	995	1095	75
10	1000	1095	1195	83
11	1100	1195	1295	91
12	1200	1295	1395	100
13	1300	1395	1495	108
14	1400	1495	1595	117
15	1500	1595	1695	126
16	1600	1695	1795	135

MKLI with 100 mm insulation



Opening size = C+20 mm

Size	A, mm	C, mm	B mm	Weight, kg
2	200	395	495	25
3	300	495	595	33
4	400	595	695	40
5	500	695	795	47
6	600	795	895	55
7	700	895	995	66
8	800	995	1095	83
9	900	1095	1195	93
10	1000	1195	1295	102
11	1100	1295	1395	112
12	1200	1395	1495	122
13	1300	1495	1595	132
14	1400	1595	1695	143
15	1500	1695	1795	153
16	1600	1795	1895	135

Markeerimine

MKLI - Material - Size - H - Insulation - RAL

Marking

Material
Standard zinc-magnesium coated steel sheet
H – acid-proof steel sheet (AISI 316)

Size
2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16

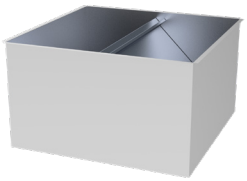
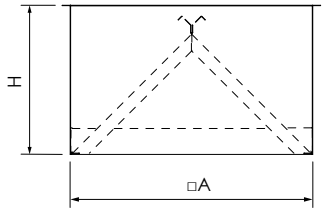
Height H
800, 1000, 1200, 1500, 2000 mm

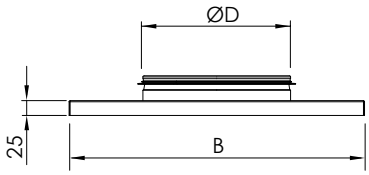
Insulation
50 - mineral wool 50 mm
EI120 – fire insulation, 100 mm (always used with steel sheet)

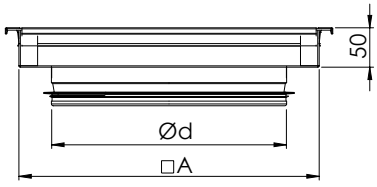
RAL
RAL colour, when coated

Example: **MKLI 3-1200-50**
MKLI 3-800-EI120
MKLI-H 3-1000-EI120

Accessories:

MKLK B Non return damper (top-mounted)	Size	A	H	Weight, kg
	2	190	150	1,3
	3	290	204	2,5
	4	390	255	3,9
	5	490	300	5,6
	6	590	353	7,5
	7	690	404	9,7
	8	790	450	12,3
	9	890	504	15,2
	10	990	554	18,4
	11	1090	604	21,8
	12	1190	654	25,6
	13	1290	704	29,7
	14	1390	754	34,0
	15	1490	804	38,6
	16	1590	854	43,6

MKLV (Size-d-BxB) Round coupling with rain-plate Example: MKLV 2-200-400x400	Size	B		d	Weight, kg	
		50 mm insul.	100 mm insul.		50 mm insul.	100 mm insul.
	2	400	500	100, 125, 160, 200	1,2	1,7
	3	500	600	250, 315	1,8	2,5
	4	600	700	315, 400	3,0	4,1
	5	700	800	400, 500	3,6	4,9
	6	800	900	500, 630	4,9	6,3
	7	900	1000	500, 630	5,7	7,3
	8	1000	1100	630, 800	6,3	8,0
	9	1100	1200	800	8,0	9,9
	10	1200	1300	1000	8,9	10,9
	11	1300	1400	1000	10,9	13,1
	12	1400	1500	1250	10,2	12,6
	13	1500	1600	1250	12,6	15,1
	14	1600	1700	1250	15,1	17,8
	15	1700	1800	1250	17,8	20,6
	16	1800	1900	1600	14,9	17,9

MKLU (Size-d) Rectangular coupling for round duct, E20-profile Example: MKLU 4-400	Size	A	d	Weight, kg
	2	200	100, 125, 160, 200	1,0
	3	300	200, 250	1,6
	4	400	200, 250, 315, 400	2,3
	5	500	315, 400, 500	3,1
	6	600	400, 500	3,8
	7	700	500, 630	4,6
	8	800	630, 800	5,4
	9	900	800	6,1
	10	1000	1000	7,1
	11	1100	1000	8,6
	12	1200	1000	10,2
	13	1300	1250	10,0
	14	1400	1250	11,8
	15	1500	1250	13,7
	16	1600	1600	12,0

MKL Roof transition

Roof transition, easily adapted for required roof incline by angle brackets. Also functions as a silencer when fitted with a perforated inner shell.

Material and dimensions

As standard manufactured of zinc-magnesium coated sheet steel (DX51D+ZM310) and insulated with 50 mm mineral wool.

MKL inner shell is made of perforated sheet steel.

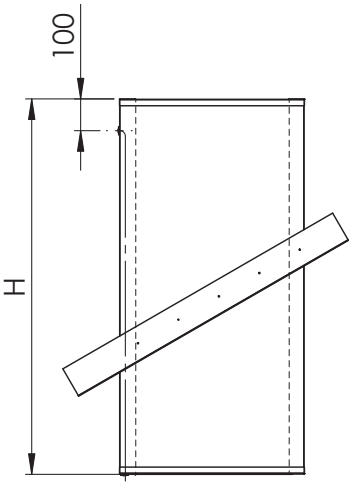
Possible to produce with 100 mm fire insulation mineral wool (compliance to EI 120 class) and non-perforated sheet steel inner shell. Used fire insulation meets the testing methods requirements according to EN1366-1 and is VTT certified. Fire insulation strengths in accordance with EN-13501-1.

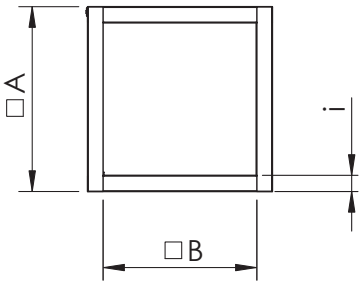
Standard height 1200 mm. Other heights can be ordered (800-2000 mm).

As standard, the roof transition is equipped with cable conduit for electric cable installation. The cable drawn in through the bottom of the roof transition and exit 100 mm from the top edge.

For installation through sloping roofs the roof transition comes as standard with two installation brackets (100x100x1,2 L=A+400).

As an accessory, a non-return damper and a fitting for rectangular or round duct/roof hood connection.





Nominal size	A, mm	B, mm i=50 mm	B, mm i=100 mm
300	295	192	92
400	395	292	192
500	495	392	292
600	595	492	392
700	695	592	492
730	725	622	522
750	745	642	542
800	795	692	592
900	895	792	692
1000	995	892	792
1100	1095	992	892
1200	1195	1092	992
1300	1295	1192	1092
1400	1395	1292	1192
1500	1495	1392	1292

Product codes

MKL - Inner shell - Insulation - Material - Size A - Height H - Lower connection - Upper connection

Marking

Inner shell
1 - perforated
2 - sheet steel
3 - mineral wool (Cleantec)

Insulation
50 - mineral wool 50 mm
EI120 – fire insulation, 100 mm
(always used with sheet steel)

Material (external + internal)
(-) – zinc-magnesium coated steel sheet, standard material
Zn – galvanized steel (DX51D+Z275)
H – acid-proof steel (AISI 316)

Nominal size A

Height H
800, 1000, 1200, 1500, 2000 mm

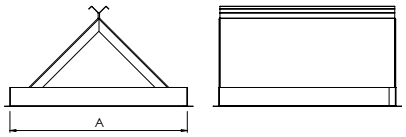
Lower connection
D1 - for round duct
Z - z-profile for rectangular duct
E20, E30 - europrofile for rectangular duct

Upper connection
D2 - for round duct
Z - z-profile for rectangular duct
E30 - europrofile for rectangular duct

Example: **MKL-1-50-400-1000**
MKL-2-50-600-800
MKL-2-EI120-400-1000

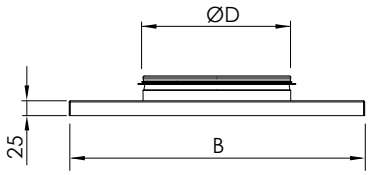
Accessories:

MKLT (AxA)
Return damper



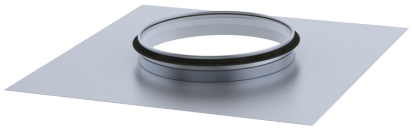
Example:
MKLT 300x300

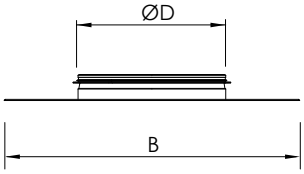
MKLV (d-BxB)
Round coupling with rain-plate



Example:
MKLV 200-400x400

MKLS (d-BxB)
Round coupling





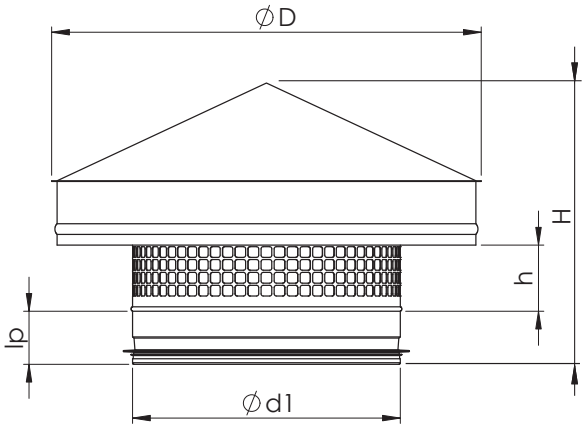
Example:
MKLS 200-400x400

NTH Rain hood

Rain hood for ventilation systems.

Structure and dimensions

Manufactured of galvanized steel sheet. Round duct connection with rubber gasket. Can also be manufactured of other materials and in coated finish.



Nominal size	D, mm	h, mm	H, mm	Weight, kg
100	200	25	135	0,4
125	225	30	155	0,5
160	260	40	175	0,7
200	320	50	210	0,8
250	400	70	265	1,5
315	475	130	305	2,5
400	580	130	375	3,2

Product codes

NTH - Material - d - RAL

Marking

Material
- Standard galvanized steel sheet Z275
- ZM – zinc-magnesium coated steel sheet (ZM310)
- H – acid-proof steel sheet (AISI 316)

Nominal size d

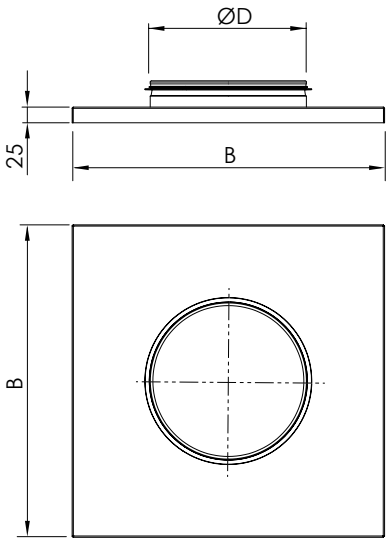
RAL
- RAL colour, when coated

Example: NTH 315

MKLV Round coupling with rain-plate

MKLV is a round coupling for connecting a roof transition with a roof hood.
The edge of the fitting is bent down 25 mm.
The MKLV fitting is manufactured of zinc-magnesium coated steel sheet (ZM310) as standard and round connection is equipped with EPDM seal.

Size	d	B		Weight, kg
		insul. 50 mm (MKLI)	insul. 100 mm (MKLI)	
2	100	400	500	1,2
2	125	400	500	1,2
2	160	400	500	1,2
2	200	400	500	1,2
3	250	500	600	1,8
4	315	600	700	3,0
4	400	600	700	3,0
5	400	700	800	3,6
6	500	800	900	4,9
7	630	900	1000	5,7
8	800	1000	1100	6,3
9	800	1100	1200	8,0
10	1000	1200	1300	8,9
11	1000	1300	1400	10,9
12	1250	1400	1500	10,2
13	1250	1500	1600	12,6
14	1250	1600	1700	13,5
15	1250	1700	1800	14,2
16	1600	1800	1900	14,9



Product codes

MKLV - Material - 3 - d - BxB - RAL

Marking

Material
Standardina ZM310 (ei märgita)
Zn – galvanized steel sheet (DX51D+Z275)
H – acid-proof steel sheet (AISI 316)

Size

Diameter d

Dimension B x B

RAL
RAL colour, when coated

Example: **MKLV 500x500/315**

MKLU Rectangular coupling for round duct

MKLU is a rectangular coupling for connecting a MKLI roof transition with a round duct.
The coupling is equipped with an E20 profile for connection to the MKLI roof transition.
The MKLU is manufactured of galvanized steel sheet (Z275) as standard and the round duct fitting is equipped with an EPDM seal.

Size	A	B	d	Weight, kg
2	200	200	100	1,0
2	200	200	125	1,0
2	200	200	160	1,0
3	300	300	200	1,6
3	300	300	250	1,6
4	400	400	315	2,3
4	400	400	400	2,3
5	500	500	500	3,1
6	600	600	500	3,8
7	700	700	630	4,6
8	800	800	800	5,4
9	900	900	800	6,1
10	1000	1000	1000	7,1
11	1100	1100	1000	8,6
12	1200	1200	1000	10,2
13	1300	1300	1250	10,0
14	1400	1400	1250	11,8
15	1500	1500	1250	13,7
16	1600	1600	1250	12,0

Product codes

MKLU - Material - 3 - d - RAL

Marking

Material

Standard – galvanized steel sheet (Z275)
ZM – Magnelis, zinc-magnesium coated steel sheet (ZM310)
H – acid-proof steel sheet (AISI 316)

Size

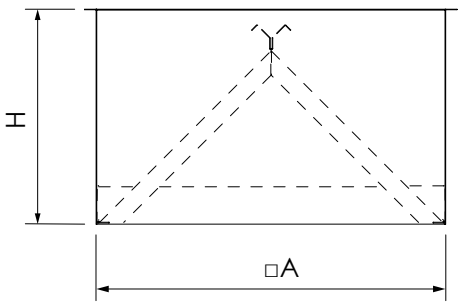
Diameter d

RAL
RAL colour, when coated

Example: MKLU 4-315

MKLK Non return damper

Size	A	H	Weight, kg
2	190	150	1,3
3	290	204	2,5
4	390	255	3,9
5	490	300	5,6
6	590	353	7,5
7	690	404	9,7
8	790	450	12,3
9	890	504	15,2
10	990	554	18,4
11	1090	604	21,8
12	1190	654	25,6
13	1290	704	29,7
14	1390	754	34,0
15	1490	804	38,6
16	1590	854	43,6



Product codes

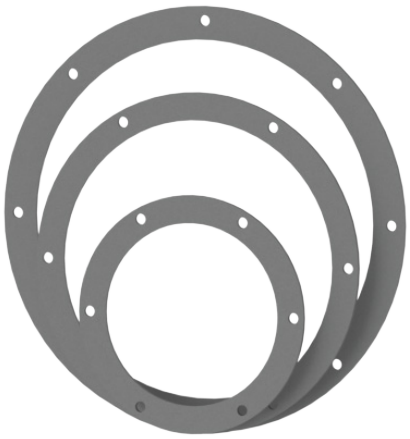
MKLK - 3

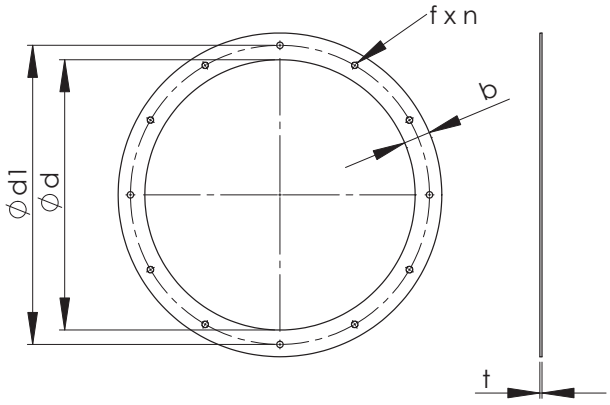
Marking

Size

Example: MKLK 6

VRL Flange





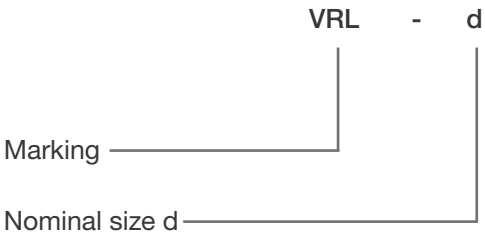
Round flange manufactured of galvanized flat iron for connecting ducts and parts.
Manufactured according to Eurovent 1/2 requirements.

Measurements

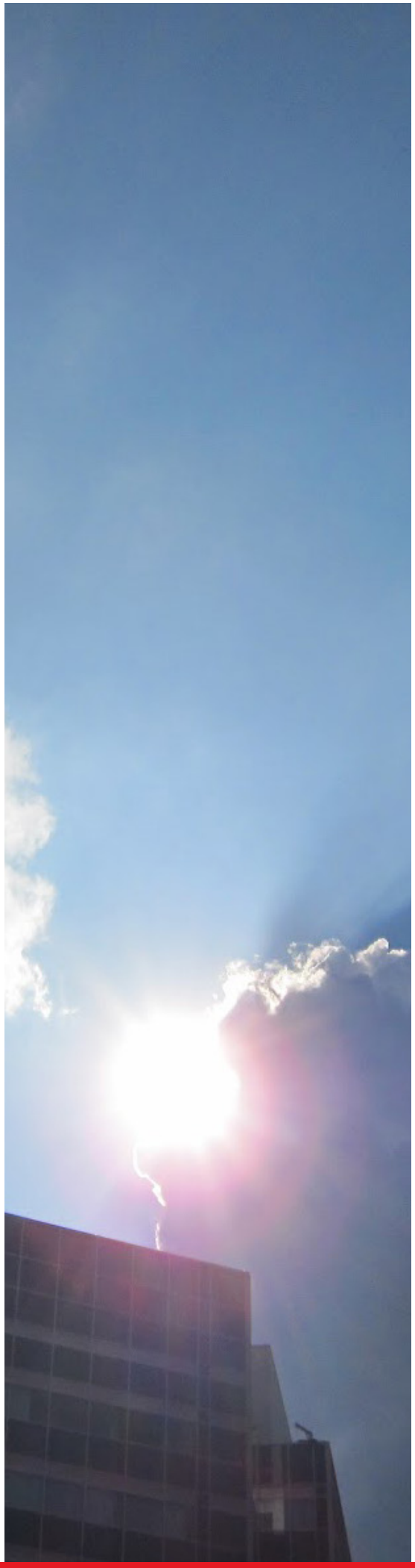
Nominal size mm	Ød mm	$Ød_1$, ±0,5 mm	Hole size f ±0,5, mm	Hole quantity n	b x t mm	Weight Kg
400	406	450	12	8	40x4	1,8
500	506	560	12	12	50x4	2,8
630	636	690	12	12	50x4	3,4
800	806	860	12	16	50x4	4,3
1000	1008	1070	15	16	60x4	6,4
1250	1258	1320	15	20	60x4	7,9
1600	1608	1680	19	24	60x4	10

N.B. Other measurements available by special order.

Product codes



Example: VRL 500



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