

URS Air Intake Device

URS is an air intake device which is designed to look great and to withstand weather conditions in the Nordic countries.

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

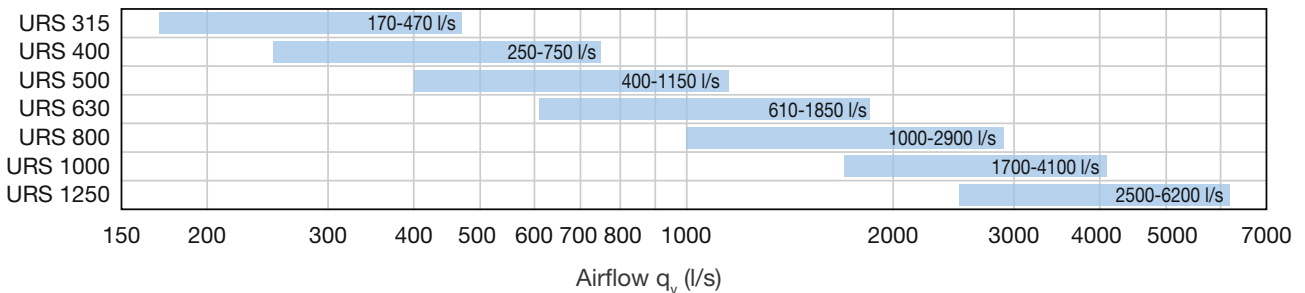


- Low design - low wind resistance
- Excellent water and snow resistance
- Strong structure
- Optimal pressure drop
- Low sound level
- Innovative design
- Magnelis® sheet steel (corrosivity category is C4)

Application

URS is 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



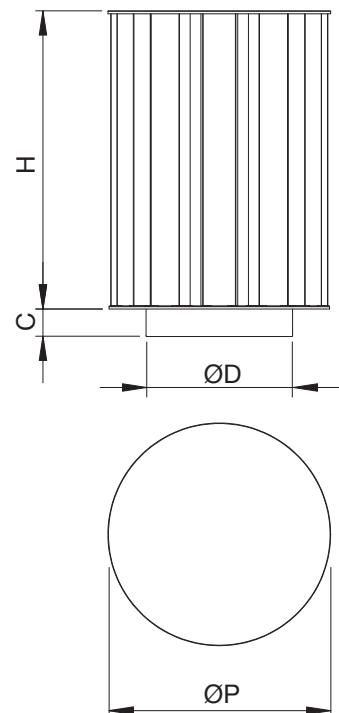
Material and Dimensions

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

Sizes Ø 315-400 mm with female connection which fits outside a fitting 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 ØD (mm)	P (mm)	H (mm)	C (mm)	Weight (kg)	Free area (m²)	Airflow (l/s)	
						min	max
315	515	815	90	34	0,32	170	470
400	600	815	90	40	0,48	250	750
500	700	1015	90	61	0,88	400	1150
630	830	1215	100	79	1,10	610	1850
800	1000	1215	100	107	1,11	1000	2900
1000	1200	1215	100	183	1,58	1700	4100
1250	1450	1540	100	217	2,66	2500	6200



URS air intake device with rain-plate connection (KL) for installation with MKL roof transition will provide the best possible combination for water resistance.

URS air intake device with rain-plate and MKL roof transition with rain-plate collar.

MKL with 50 mm insulation.

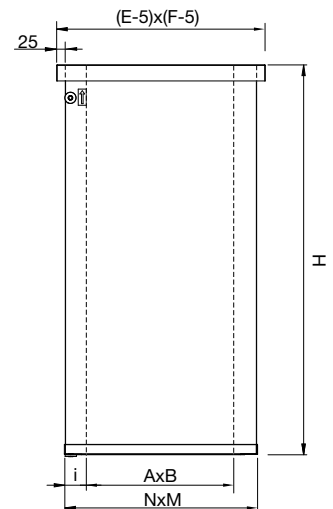
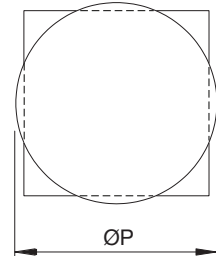
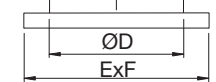
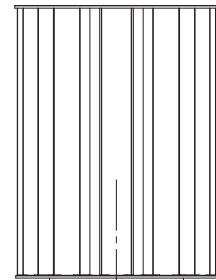
URS Nominal size ØD (mm)	Connection size ExF (mm)	MKL (i=50 mm)		
		MKL+KL Nominal size (N×M KL-ExF)	AxB (mm)	NxM (mm)
315	450x450	MKL 400x400 KL-450x450	300x300	395x395
400	550x550	MKL 500x500 KL-550x550	400x400	495x495
500	650x650	MKL 600x600 KL-650x650	500x500	595x595
630	750x750	MKL 700x700 KL-750x750	600x600	695x695
800	950x950	MKL 900x900 KL-950x950	800x800	895x895
1000	1150x1150	MKL 1100x1100 KL-1150x1150	1000x1000	1095x1095
1250	1450x1450	MKL 1400x1400 KL-1450x1450	1300x1300	1395x1395

Installation opening = (N+20)×(M+20) mm.

MKL with 100 mm insulation.

URS Nominal size ØD (mm)	Connection size ExF (mm)	MKL (i=50 mm)		
		MKL+KL Nominal size (N×M KL-ExF)	A/B (mm)	N/M (mm)
315	550x550	MKL 500x500 KL-550x550	300x300	495x495
400	650x650	MKL 600x600 KL-650x650	400x400	595x595
500	750x750	MKL 700x700 KL-750x750	500x500	695x695
630	850x850	MKL 800x800 KL-850x850	600x600	795x795
800	1050x1050	MKL 1000x1000 KL-1050x1050	800x800	995x995
1000	1250x1250	MKL 1200x1200 KL-1250x1250	1000x1000	1195x1195
1250	1550x1550	MKL 1500x1500 KL-1550x1550	1300x1300	1495x1495

For more information about MKL roof transition and different insulation possibilities please check MKL datasheet.



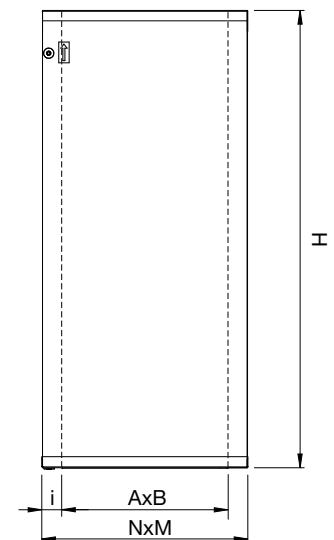
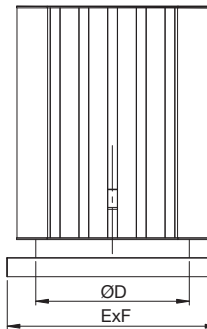
URS air intake device with rain-plate and MKL roof transition.
MKL roof transition with 50 mm insulation.

URS Nominal size ØD	Connection size ExF (mm)	MKL (i=50 mm)		
		MKL Nominal size (NxM)	AxB (mm)	NxM (mm)
URS 315	400x400	MKL 400x400	300x300	395x395
URS 400	500x500	MKL 500x500	400x400	495x495
URS 500	600x600	MKL 600x600	500x500	595x595
URS 630	700x700	MKL 700x700	600x600	695x695
URS 800	900x900	MKL 900x900	800x800	895x895
URS 1000	1100x1100	MKL 1100x1100	1000x1000	1095x1095
URS 1250	1400x1400	MKL 1400x1400	1300x1300	1395x1395

MKL roof transition with 100 mm insulation.

URS Nominal size ØD (mm)	Connection size ExF (mm)	MKL (i=100 mm)		
		MKL Nominal size (NxM)	AxB (mm)	NxM (mm)
URS 315	500x500	MKL 500x500	300x300	495x495
URS 400	600x600	MKL 600x600	400x400	595x595
URS 500	700x700	MKL 700x700	500x500	695x695
URS 630	800x800	MKL 800x800	630x630	795x795
URS 800	1000x1000	MKL 1000x1000	800x800	995x995
URS 1000	1200x1200	MKL 1200x1200	1000x1000	1195x1195
URS 1250	1500x1500	MKL 1500x1500	1300x1300	1495x1495

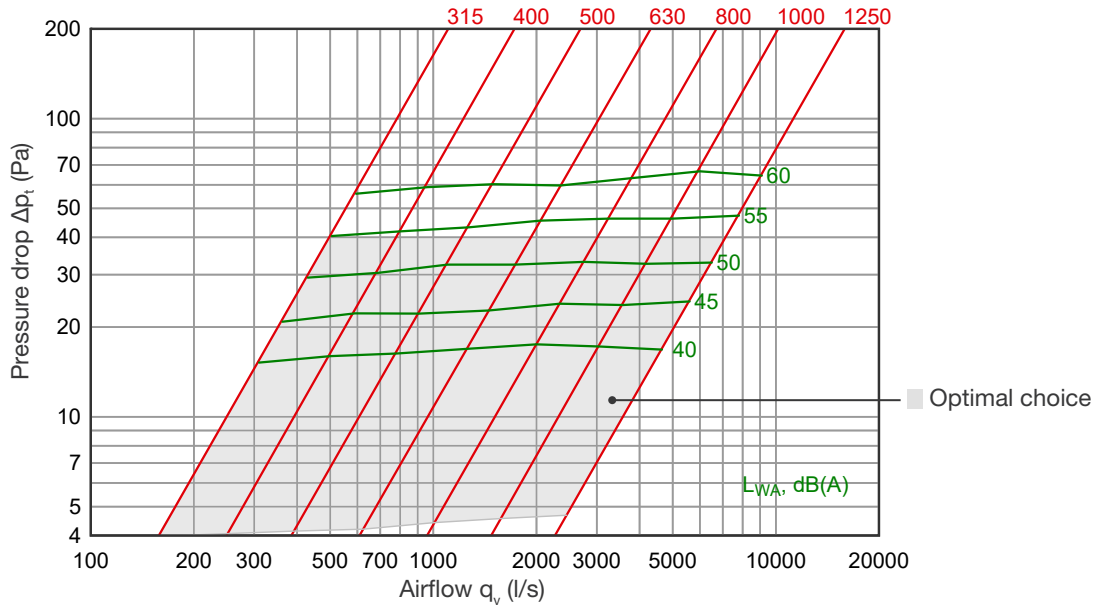
For more information about MKL roof transition and different insulation possibilities please check MKL datasheet.



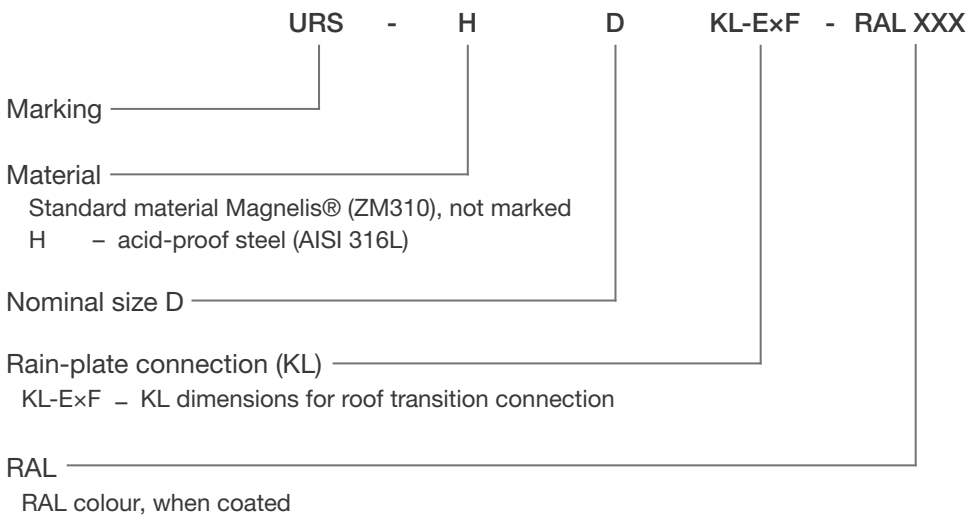
Technical Data

Pressure drop - Airflow

Recommended maximum pressure drop 40 Pa. For best result, when choosing a roof hood, air velocity over the free area should not exceed 2,6 m/s and velocity in the duct should not exceed 6 m/s.



Product Marking



- Example:**
- URS 315 Air intake device
 - URS-H 315 Air intake device (AISI 316L)
 - URS 315-RAL7000 Air intake device (coated)
 - URS 315-KL-500x500 Air intake device with rain-plate connection for roof transition