



RESIDENTIAL EXTRACT GRILLES

OVERVIEW

SERIES

UR
UQ
URC

CHARACTERISTICS :

Frame

Made of extruded aluminium, width 25 mm, with rounded edges, built in four parts invisibly connected by mechanical assembly.

Fins

In extruded aluminium with 20 mm centre distance, hinged on a self-locking nylon runner incorporated in the frame.

Cross reinforcement

Provided on all openings with dimension L above 800 mm.

Damper

Made entirely of steel, with opposed movement multiple fins.

Counter frame

Rigid sheet steel construction.

Grille wall installation

By means of screwless systems via clips and counter frame or with traditional screw system directly in the duct or on the wall.

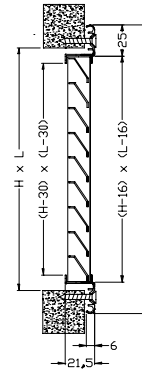
Grille ceiling installation

By grille anchoring in frame. Finish: available in natural anodized aluminium or with RAL 9010 powder coating.

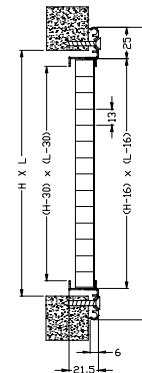
UR : Residential extract grilles pitch 20 mm made of anodized extruded aluminium.

UQ : Residential extract grilles with square mesh, frame is made of anodized extruded aluminium, mesh is made of steel.

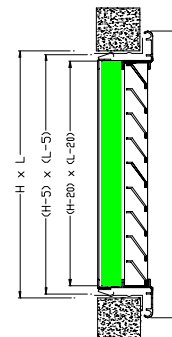
URCI : Residential extract grilles pitch 20 mm made of anodized extruded aluminium with filterholder frame, a filter with thickness from 3 to 15 mm can be mounted.



UR: constructed with blades



UQ: constructed with egg crate core



URCI: constructed with blades and filter holder



RESIDENTIAL EXTRACT GRILLES

OVERVIEW

SERIES
UR 2
UR 3
UR 4
UR 5

CHARACTERISTICS :

Frame

Made of extruded aluminium, width 25 mm, with rounded edges, built in four parts invisibly connected by mechanical assembly.

Fins

In extruded aluminium with 20 mm centre distance, hinged on a self-locking nylon runner incorporated in the frame. Cross

reinforcement

Provided on all openings with dimension L above 800 mm.

Damper

Made entirely of steel, with opposed movement multiple fins.

Counter frame

Rigid sheet steel construction.

Finish

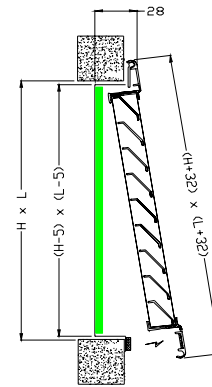
Available in natural anodized aluminium or with RAL 9010 powder coating.

UR2 : Residential extract grilles pitch 20 mm made of anodized extruded aluminium, filterholder frame for filter media (initial thickness 15 mm), opening system: hinge on upper side (maximum angle 85°) and magnet on bottom side.

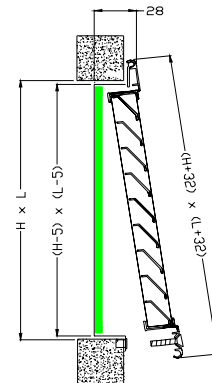
UR3 : Residential extract grilles pitch 20 mm made of anodized extruded aluminium, filterholder frame for filter media (initial thickness 15 mm), opening system: hinge on upper side (maximum angle 85°) and screws on bottom side.

UR4 : Residential extract grilles pitch 20 mm made of anodized extruded aluminium, filterholder frame for filter media (initial thickness 15 mm), opening system: hinge on upper side (maximum angle 85°) and knob on bottom side.

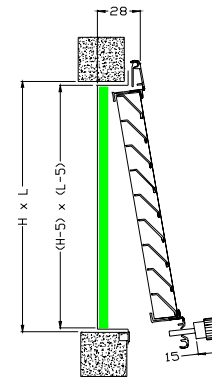
UR 5 : Residential extract grilles pitch 20 mm made of anodized extruded aluminium, filterholder frame for filter media (initial thickness 15 mm), mounting on false ceiling, opening system with knobs (optional with screws).



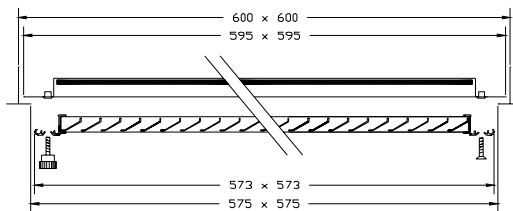
UR2: fixing with magnets



UR3: fixing with screws



UR4: fixing with pommel



UR5: production for counter ceiling



RESIDENTIAL EXTRACT GRILLES

OVERVIEW

SERIES

UR 12

UR 13

UR 14

CHARACTERISTICS :

Frame

Made of extruded aluminium, width 25 mm, with rounded edges, built in four parts invisibly connected by mechanical assembly.

Fins

In extruded aluminium with 20 mm centre distance, hinged on a self-locking nylon runner incorporated in the frame. **Cross reinforcement**

Provided on all openings with dimension L above 800 mm.

Damper

Made entirely of steel, with opposed movement multiple fins.

Counter frame

Rigid sheet steel construction.

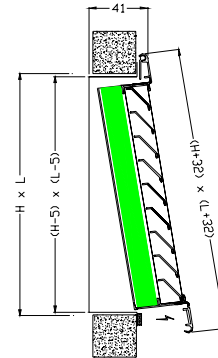
Finish

Available in natural anodized aluminium or with RAL 9010 powder coating.

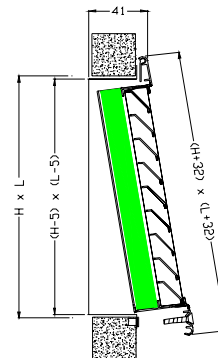
UR12 : Residential extract grilles pitch 20 mm made of anodized extruded aluminium, filterholder frame for filter, thickness of filter frame from 3 to 15 mm, opening system: hinge on upper side (maximum angle 85°) and magnet on bottom side.

UR13 : Residential extract grilles pitch 20 mm made of anodized extruded aluminium, filterholder frame for filter, thickness of filter frame from 3 to 15 mm, opening system: hinge on upper side (maximum angle 85°) and screws on bottom side.

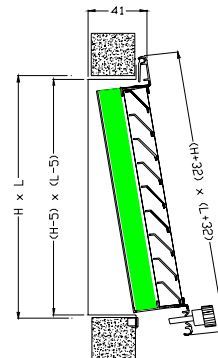
UR14 : Residential extract grilles pitch 20 mm made of anodized extruded aluminium, filterholder frame for filter, thickness of filter frame from 3 to 15 mm, opening system: hinge on upper side (maximum angle 85°) and knob on bottom side.



UR2: fixing with magnets



UR3: fixing with screws



UR4: fixing with pommel



RESIDENTIAL EXTRACT GRILLES

OVERVIEW

SERIES
UR 21
UR 22
UR 23
UR 24

CHARACTERISTICS :

Frame

Made of extruded aluminium, width 25 mm, with rounded edges, built in four parts invisibly connected by mechanical assembly.

Fins

In extruded aluminium with 20 mm centre distance, hinged on a self-locking nylon runner incorporated in the frame. **Cross reinforcement** Provided on all openings with dimension L above 800 mm.

Damper

Made entirely of steel, with opposed movement multiple fins.

Counter frame

Rigid sheet steel construction.

Finish

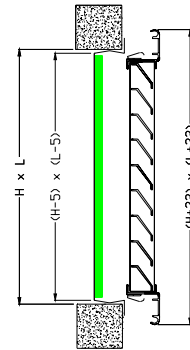
Available in natural anodized aluminium or with RAL 9010 powder coating.

UR21 : Residential extract grilles pitch 20 mm made of anodized extruded aluminium, filterholder frame for filter media (initial thickness 15 mm), opening system: by clips on both sides.

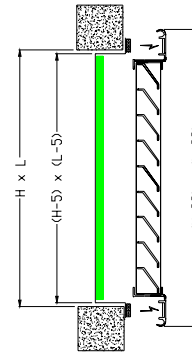
UR22 : Residential extract grilles pitch 20 mm made of anodized extruded aluminium, filterholder frame for filter media (initial thickness 15 mm), opening system: by magnets on both sides.

UR23 : Residential extract grilles pitch 20 mm made of anodized extruded aluminium, filterholder frame for filter media (initial thickness 15 mm), opening system: by screws on both sides.

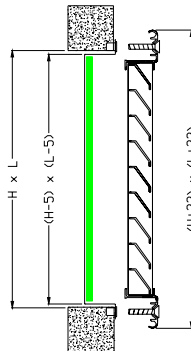
UR24 : Residential extract grilles pitch 20 mm made of anodized extruded aluminium, filterholder frame for filter media (initial thickness 15 mm), opening system: by pommels on both sides.



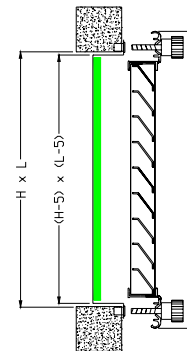
UR21: fixing with clips



UR22: fixing with magnets



UR23: fixing with screws



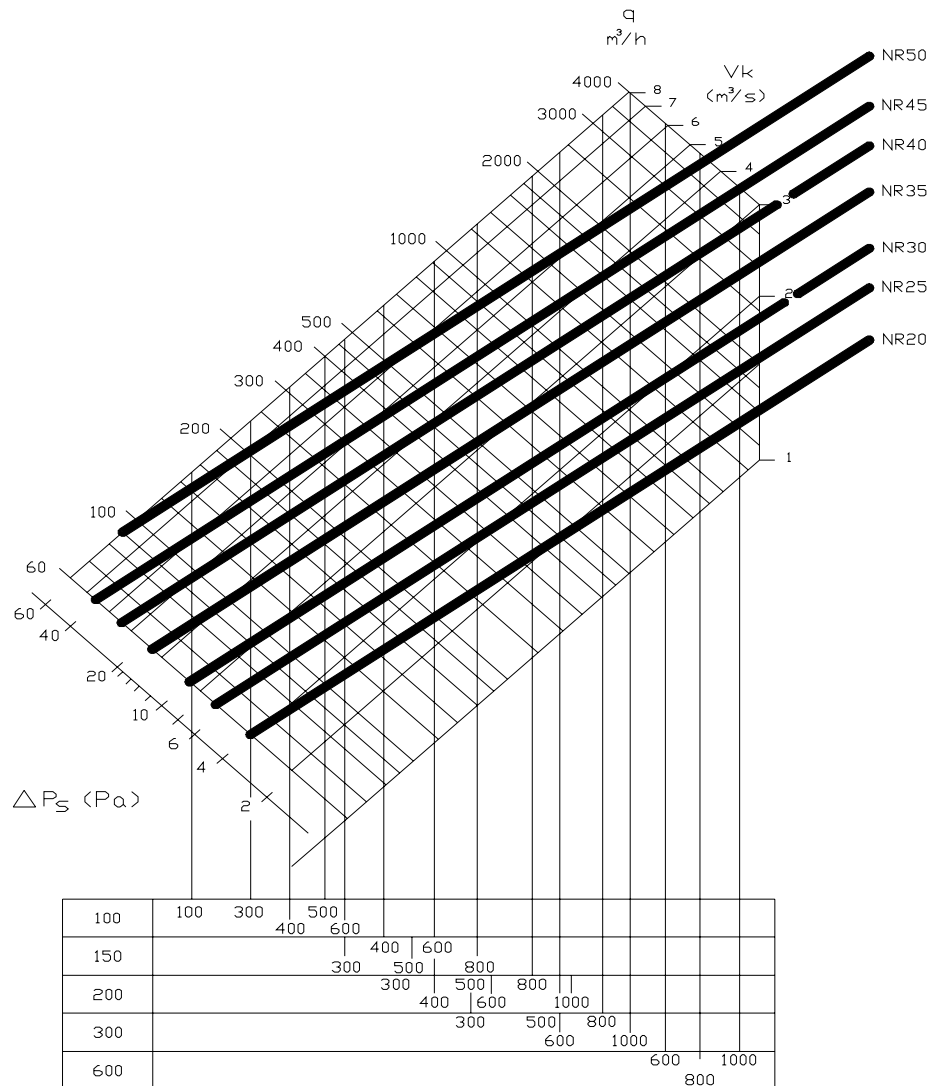
UR24: fixing with pommels



**RESIDENTIAL
EXTRACT GRILLES**

PERFORMANCE

**UR
SERIES**



q = Extract air flow rate (m³/h)

ΔP_s = Static pressure (mm H₂O)

V_k = Air velocity velocity in entrance from UTR (m/s)

A_k = net area UTM (m²)

NR = Noise rate according to ISO norms



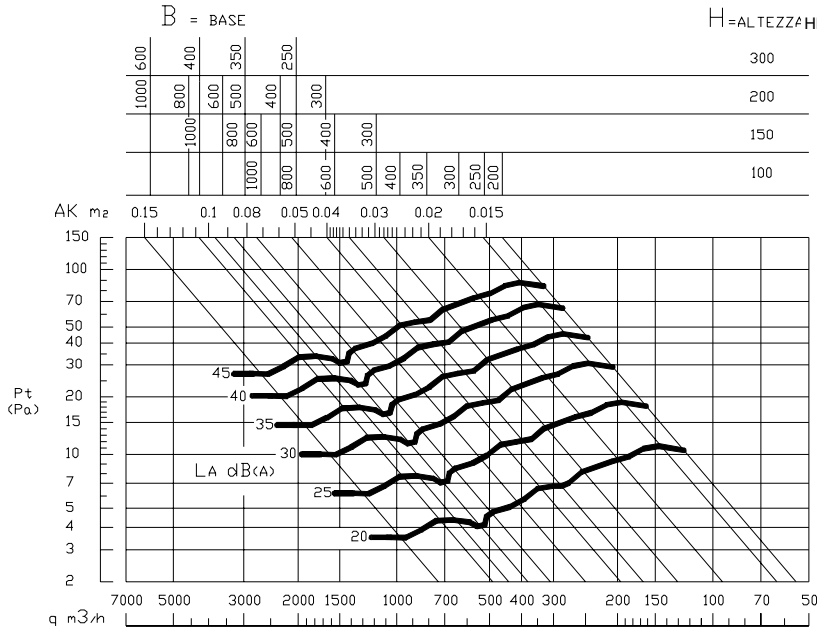
RESIDENTIAL EXTRACT GRILLES WITH SQUARE MESH

UQ
SERIES

PERFORMANCE

The below diagram shows the total pressure and acoustic pressure as a function of air flow rate.

Q = Extract air flow rate (m³/h) Pt = Total pressure (Pa)
Ak = Area factor (m²) LA = Acoustic level (dB(A))



Ak values (m ²)									
H (mm)	L (mm)								
	200	250	300	350	400	500	600	800	900
100	0,015	0,019	0,024	0,028	0,033	0,042	0,052	0,070	0,079
150	0,024	0,031	0,038	0,045	0,052	0,065	0,079	0,107	0,121
200	0,033	0,042	0,052	0,061	0,070	0,089	0,107	0,144	0,163
300	0,052	0,065	0,079	0,093	0,107	0,135	0,163	0,218	0,246
400	0,070	0,089	0,107	0,126	0,144	0,181	0,218	0,292	0,329
500	0,089	0,112	0,135	0,158	0,181	0,227	0,274	0,366	0,412
600	0,107	0,135	0,163	0,190	0,218	0,274	0,329	0,440	0,496

CORRECTION FACTORS OF TOTAL PRESSURE Pt (Pa) due to calibrating gate			
Position	Open	Opening 45°	Closed
Total pressure Pt	x 1.1	x 3.2	x 15

CORRECTION FACTORS OF ACOUSTIC LEVEL La (dB(A)) due to calibrating gate			
Position	Open	Opening 45°	Closed
Acoustic pressure LA	+ 0	+ 15	+35



CONTROL DAMPERS

SC SERIES

OVERVIEW TECHNICAL CHARACTERISTICS

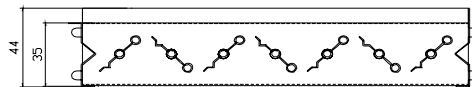
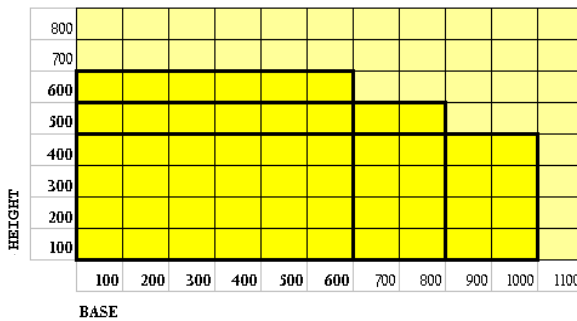
OVERVIEW AND CHARACTERISTICS :

The contrast control dampers of SC series can be fitted to UM series inlet grills, UP series outlet grilles, and GI series industrial grilles. They are held in place by special patented clips, designed both for fitting the damper to the grill and for fitting it on a false frame.

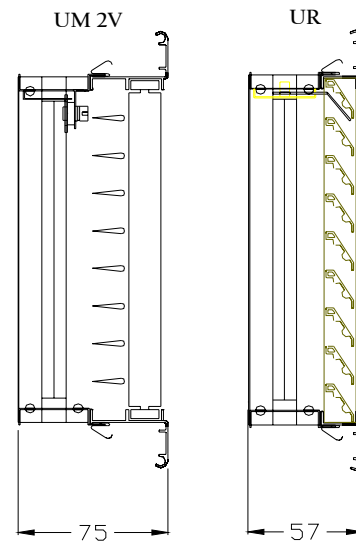
The SC series dampers are made entirely of galvanised steel and have a mechanism for moving and closing all the blades simultaneously.

This mechanism is a simple longitudinal plate that links all the blades, and can be removed by unscrewing a nut using a screwdriver. The careful design, precise assembly, and the quality of the materials used, make this an economical, practical, and efficient component.

Contrast control damper- dimensions that can be created in a single solution



Contrast control damper - overall dimensions for UM2V and UR



Contrast control damper -detail of patented fixing clips



RESIDENTIAL
EXTRACT GRILLES

SERIES
UR

CODES

Nominal dimensions							
B x H	URC URF	SC	RE	TC	UR + SC	UR + RE	UR + TC
200	X	X	X	X	X	X	X
300	X	X	X	X	X	X	X
400	X	X	X	X	X	X	X
500	X	X	X	X	X	X	X
600	X	X	X	X	X	X	X
800	X	X	X	X	X	X	X
1.000	X	X	X	X	X	X	X
200	X	X	X	X	X	X	X
300	X	X	X	X	X	X	X
400	X	X	X	X	X	X	X
500	X	X	X	X	X	X	X
600	X	X	X	X	X	X	X
800	X	X	X	X	X	X	X
1.000	X	X	X	X	X	X	X

- UR Extraction grille
- RE Metal mesh
- F Holes for installation with screws
- C Clips for installation with frame
- R RAL color
- TC Counter frame
- SC Control damper with contrast






Example: UR RE C 200x100
Return grille with mesh and clips, nominal dimensions 200x100.



RESIDENTIAL EXTRACT GRILLES WITH SQUARE MESH

UQ
SERIES

CODES

UQ = Egg crate core grille SC = Damper RE = Net TC = Counter frame 200 = Length 100 = Height	UQC UQF	SC	TC	UQ+SC	UQ+TC
	 UQC = Grille+ clips UQF = Grille + holes	 Contrast calibrating damper	 Counter frame	 Egg crate core with damper	 Egg crate core with counter frame
L x H					
200	X	X	X	X	X
300	X	X	X	X	X
400	X	X	X	X	X
500	X	X	X	X	X
600	X	X	X	X	X
800	X	X	X	X	X
1000	X	X	X	X	X
200	X	X	X	X	X
300	X	X	X	X	X
400	X	X	X	X	X
500	X	X	X	X	X
600	X	X	X	X	X
800	X	X	X	X	X
1000	X	X	X	X	X
200	X	X	X	X	X
300	X	X	X	X	X
400	X	X	X	X	X
500	X	X	X	X	X
600	X	X	X	X	X
800	X	X	X	X	X
1000	X	X	X	X	X
200	X	X	X	X	X
300	X	X	X	X	X
400	X	X	X	X	X
500	X	X	X	X	X
600	X	X	X	X	X
800	X	X	X	X	X
1000	X	X	X	X	X

595x595 egg crate core grille of particular construction for use in modular counter ceilings

UQS595595: base grille

UQSC595595: grille with fixing clips

UQSF595595: grille with holes for fixing by screws



RESIDENTIAL FILTER HOLDER
EXTRACT GRILLES

UR UQ
SERIES

CODES

L x H	URC1	UR2 UR12 UR21 UR22 UR3 UR13 UR23	UR4 UR14 UR24	UQC1	UQ2 UQ12 UQ21 UQ22 UQ3 UQ13 UQ23	UQ4 UQ14 UQ24
200	X	X		X	X	
300	X	X		X	X	
400	X	X		X	X	
500	X	X		X	X	
600	X	X		X	X	
800	X	X		X	X	
1000	X	X		X	X	
200	X	X	X	X	X	X
300	X	X	X	X	X	X
400	X	X	X	X	X	X
500	X	X	X	X	X	X
600	X	X	X	X	X	X
800	X	X	X	X	X	X
1000	X	X	X	X	X	X
200	X	X	X	X	X	X
300	X	X	X	X	X	X
400	X	X	X	X	X	X
500	X	X	X	X	X	X
600	X	X	X	X	X	X
800	X	X	X	X	X	X
1000	X	X	X	X	X	X
200	X	X	X	X	X	X
300	X	X	X	X	X	X
400	X	X	X	X	X	X
500	X	X	X	X	X	X
600	X	X	X	X	X	X
800	X	X	X	X	X	X
1000	X	X	X	X	X	X



RESIDENTIAL FILTER HOLDER EXTRACT GRILLES

UR UQ
SERIES

CODES

L x H	URC1	UR2 UR12 UR21 UR22 UR3 UR13 UR23	UR4 UR14 UR24	UQC1	UQ2 UQ12 UQ21 UQ22 UQ3 UQ13 UQ23	UQ4 UQ14 UQ24
200	X	X	X	X	X	X
300	X	X	X	X	X	X
400	X	X	X	X	X	X
500	500	X	X	X	X	X
600	X	X	X	X	X	X
800	X	X	X	X	X	X
1000	X	X	X	X	X	X
200	X	X	X	X	X	X
300	X	X	X	X	X	X
400	X	X	X	X	X	X
500	600	X	X	X	X	X
600	X	X	X	X	X	X
800	X	X	X	X	X	X
1000	X	X	X	X	X	X

URC1	Filter holder extraction grille with frame	UQC1	Square mesh grille with filter holder frame
UR2	Extraction grille filter holder with hinge and magnet	UQ2	Square mesh grille filter holder with hinge and magnet
UR12	Extraction grille with filter holder frame with hinge and magnets	UQ12	Square mesh grille with filter holding frame, hinge and magnet
UR21	filter holder extraction grille with clips	UQ21	Square mesh grille filter holder with clips
UR22	filter holder extraction grille with magnets	UQ22	Square mesh grille filter holder with magnets
UR3	Filter holder extraction grille with hinge and screws	UQ3	Square mesh grille filter holder with hinge and screws
UR13	Filter holder extraction grille with with frame, hinge and screws	UQ13	Square mesh grille with filter holding frame with hinge and screws
UR23	Filter holder extraction grille with screws	UQ23	Square mesh grille filter holder with screws
UR4	Filter holder extraction grille with hinge and nobs	UQ4	Square mesh grille filter holder with hinge and knobs
UR14	Filter holder extraction grille with frame, hinge and knobs	UQ14	Square mesh grille with filter holding frame, hinge and knobs
UR24	Filter holder extraction grille with knobs	UQ24	Square mesh grille filter holder with nobs
UR5 540	Filter holder extraction grille for 600x600 panel with knobs	UQ5 540	Square mesh grille filter holder for 600x600 panel with knobs