

## Description and application

Exhaust grille ceiling / wall used in installation low and medium pressure. It is designed for mounting in the wall or suspended ceiling, in set with plenum box or directly on the ventilation ducts using visible bolts in stamped holes in front frame. It is also possible for invisible mount using latches or screws hidden in additional mounting frame.

Grille has Hygienic Certificate HK/K/0522/01/2016

## Material and workmanship

The grille includes:

- 1) frame - galvanized sheet steel (standard) or aluminum
- 2) grid - aluminum

The entire grille is powder coated in white RAL 9016. On request it is possible to paint to a different RAL color.

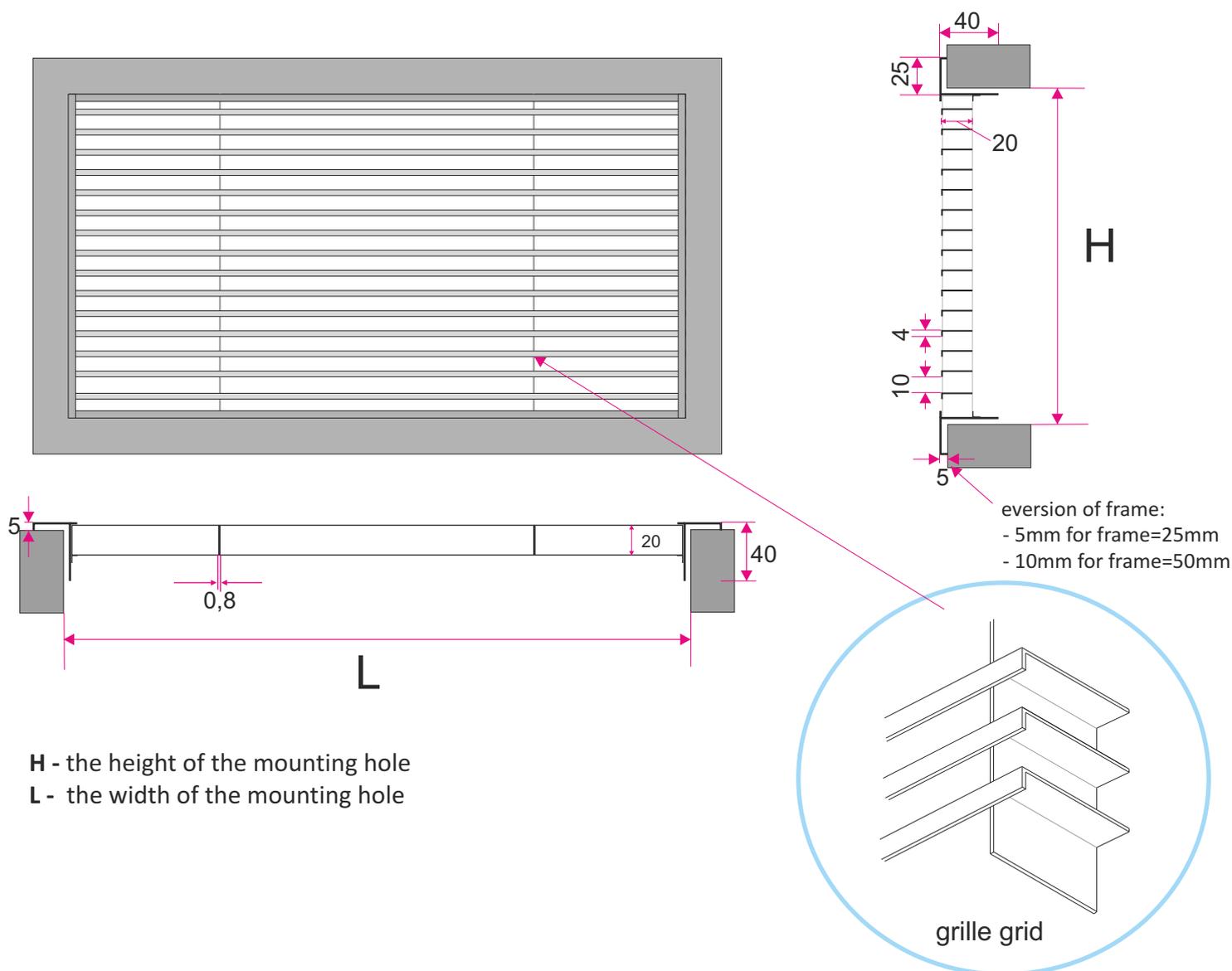
## Size

Grilles are manufactured to order. Grilles dimension by the customer request.

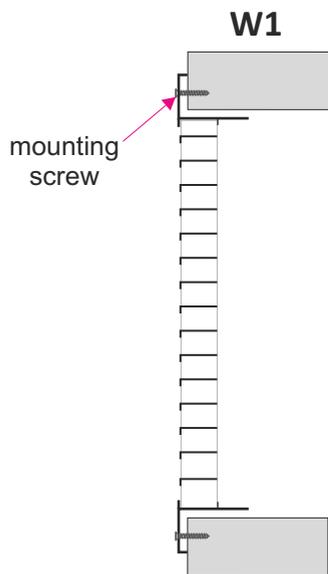
The width of the frame for dimensions:

L and H < 1000mm = 25mm

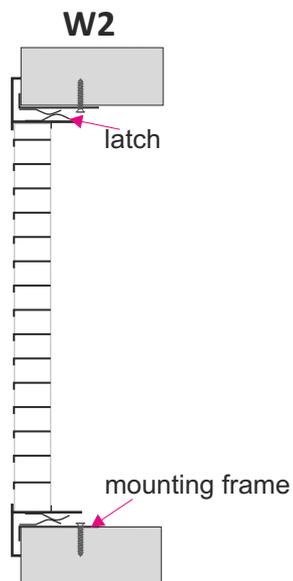
L and H > 1000mm = 50mm



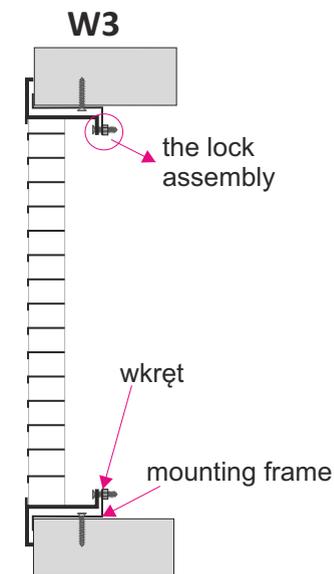
## Methods of mounting



Assembling visible through screws and mounting holes in the grille frame.



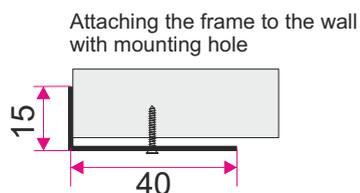
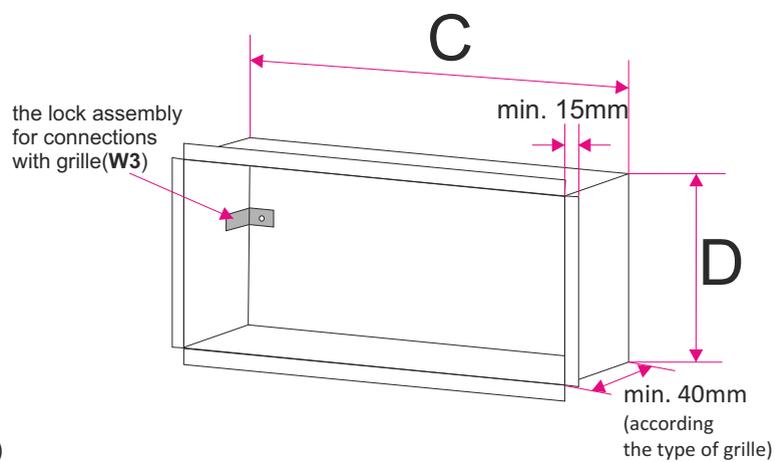
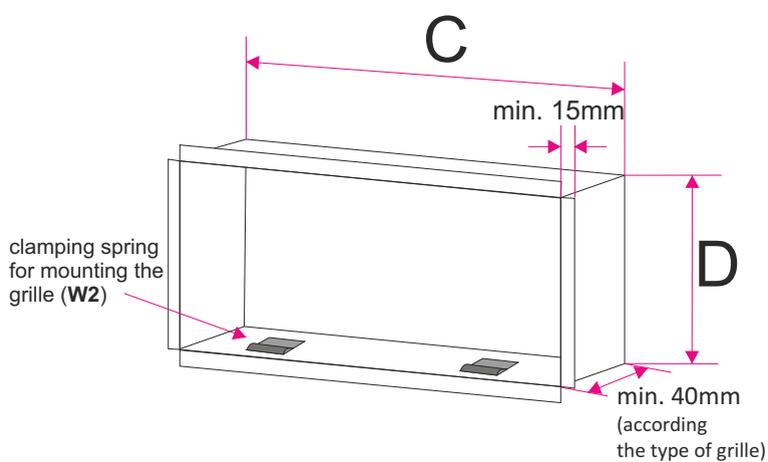
Assembling invisible by latches in grille and mounting frame RM or in plenum box.



Assembling invisible by screws and lock assembly in mounting frame RM or in plenum box. Option recommended for invisible installation in the ceiling.

## Accessories - RM frame for invisible installation

RM frame used in the ventilation holes for invisible mounting ventilation components. Mounting frame for grilles in standard are made of galvanized steel (on request can also be made from aluminum). There is possibility to make mounting frame with a filter.



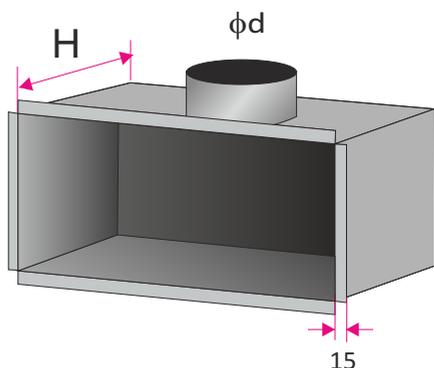
$$C = L - 5$$

$$D = H - 5$$

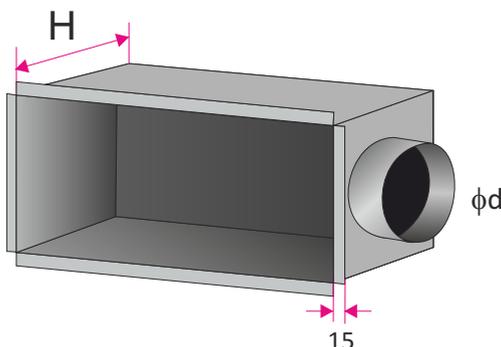
LxH - size of mounting hole

## Accessories- plenum box

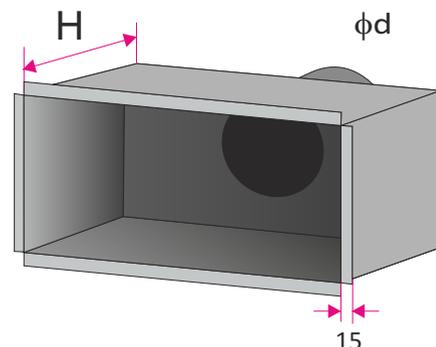
Plenum box is made of galvanized steel. On request it can be equipped with a damper control onto the connected spigot. The plenum box is isolated inside with rubber (acoustic) or outside with mineral wool (thermal). In the standard height of the plenum box is adapted to size of the spigot or diffuser size (you can specify the height of the plenum box).



**SR-Gw** - plenum box with the spigot on the top



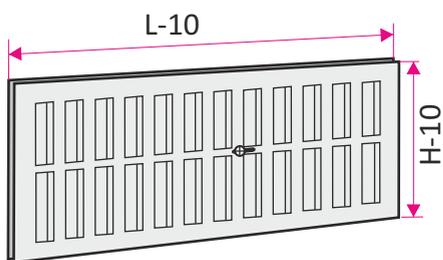
**SR-Bw** - plenum box with the spigot on the side



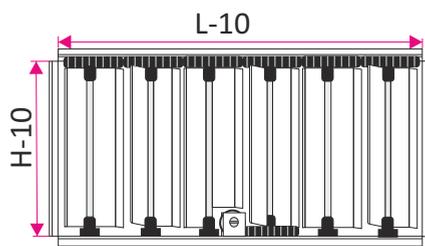
**SR-Tw** - plenum box with the spigot on the back

## Accessories- dampers

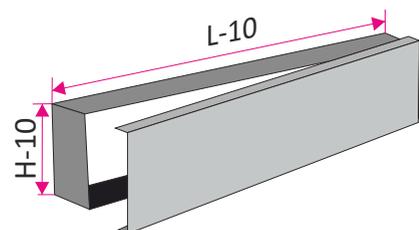
Grille KW-1 can also be equipped with a damper, positioned directly behind the grille blades. In this type of grill, damper regulation is possible from the front side of grille, without the need for disassembly (between the blades). Below there are the types of dampers used for the ventilation grilles.



**GS** - slot damper  
(above the size of 525x425 the damper must be divided)



**GP** - damper with counter running blades  
(above the size of 525x425 the damper must be divided)



**GU** - cantilevered damper  
(especially recommended for grills to spiro channel)

## The method of placing an order

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Please make orders according to the following formula:

**KW-1/ 'G' / 'LxH' / 'RAL' / 'M' / 'W' + 'SR' / 'I' / 'P' / 'K' / 'H'**

'G'	- adjustment by damper <b>none</b> - grille without damper* <b>GP</b> - regulation by damper with counter running blades behind grille <b>GS</b> - slot damper <b>GU</b> - cantilevered damper
'LxH'	- mounting hole size (width x height) in mm
'RAL'	- grille color according to RAL palette (standard RAL9016*)
'M'	- material: <b>ST-AL</b> - Frame: powder coated galvanized sheet steel+grid aluminum* <b>AL-AL</b> - Grid+ frame: aluminum powder-coated
'W'	- mounting option: <b>W1</b> - visible assembly through screws in holes in grille front frame* <b>W2</b> - invisible mounting using latch springs and additional mounting frame <b>W3</b> - invisible assembly using screws, and an additional mounting frame - plenum box:
'SR'	<b>SR-Gw</b> - plenum box with top spigot connection <b>SR-Bw</b> - plenum box with side spigot connection <b>SR-Tw</b> - plenum box with back spigot connection
'I'	isolation: <b>none</b> - plenum box without isolation* <b>Iz</b> - outside isolation (thermal) <b>Iw</b> - inside isolation (acoustic)
'P'	- adjustment damper at spigot connection: <b>none</b> - no damper* <b>P</b> - damper on spigot connection adjustable from the outside <b>PP</b> - damper on spigot connection adjustable from the inside
'K'	diameter spigot connection in size mm
'H'	the height of the plenum box in mm*

\* - If you don't give the information will be used standard parameters