## Description and application

Grilles intake and exhaust has movable blades embedded in the front frame in a double row in vertical and horizontal system and damper directly behind the grille louver. For use in installation low and medium pressure. Adjusting the angle is manual and the individual for each blade.

**Grille has Hygienic Certificate**
## Material and workmanship

The grille is all made of galvanized steel sheet powder coated white RAL 9016. On request it is possible to paint in a different color from the RAL palette and made on special stainless steel or aluminum.
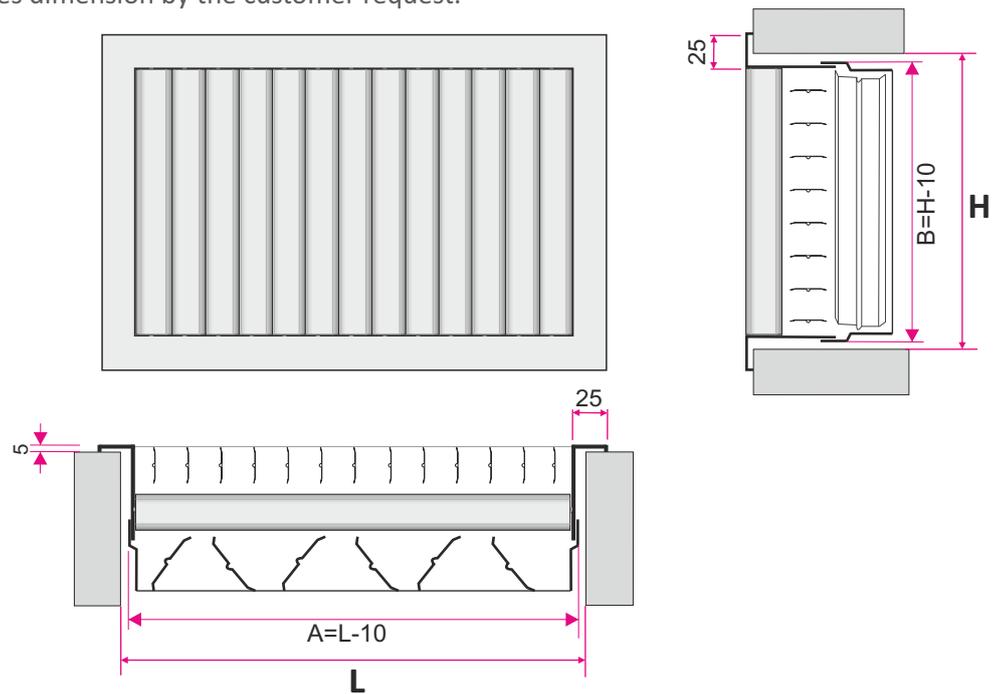The damper is made of galvanized steel (on request can be also painted in any RAL color).
The manufacturer reserves the right to make technological changes.
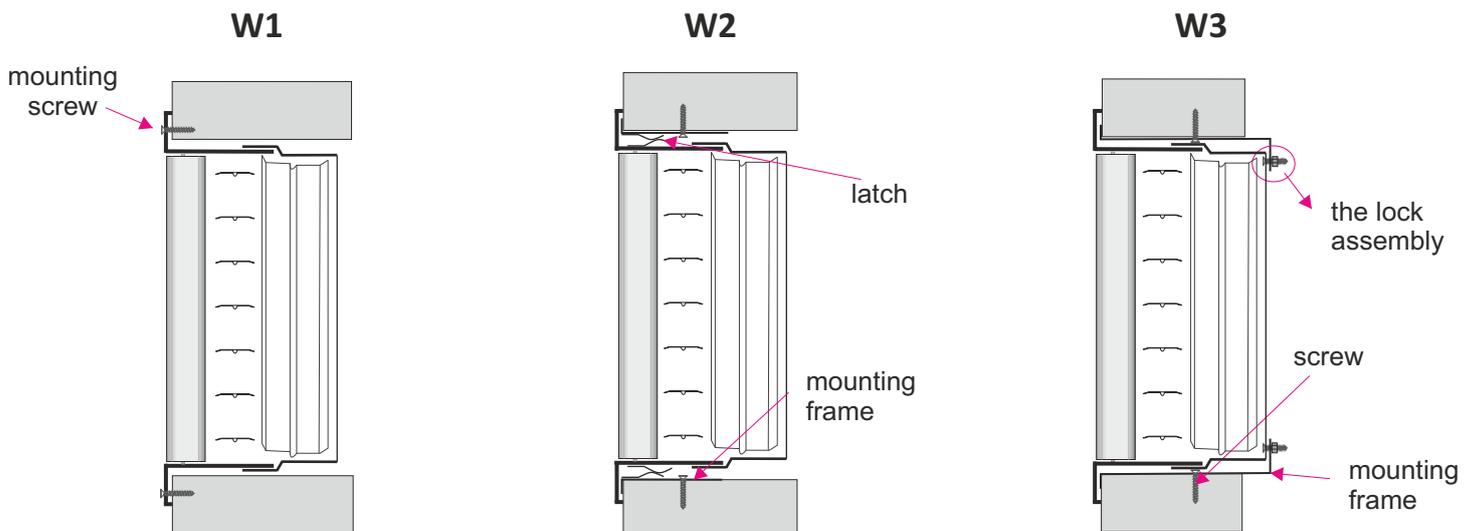
## Size

Grilles are manufactured to order. Grilles dimension by the customer request.
**L** - width of the mounting hole
**H** - height of the mounting hole



## Methods of mounting



**W1**

**W2**

**W3**

latch

the lock
assembly

mounting
screw

screw

mounting
frame

mounting
frame

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
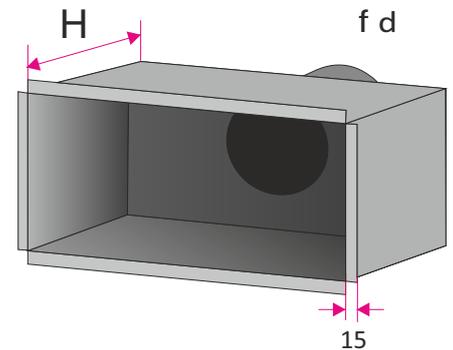
## Accessories- plenum box

Plenum box is made of galvanized steel. On request it can be equipped with a damper control onto the connected spigot. The plenum box can be 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).
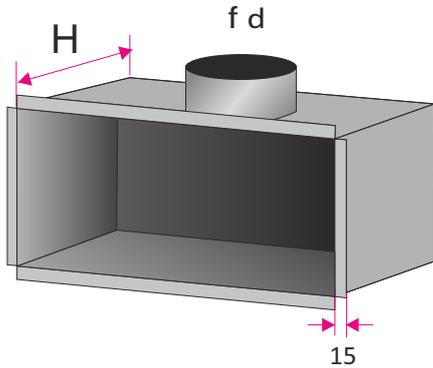


**SR-Gw** - plenum box with the spigot on the top
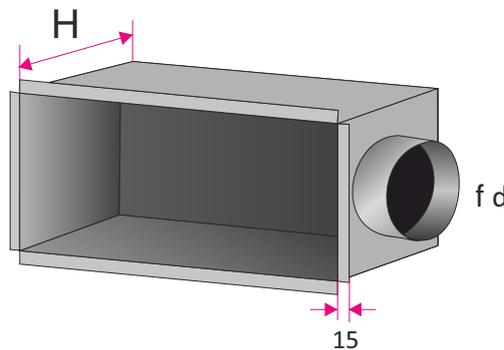
**SR-Bw** -plenum box with the spigot on the side

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

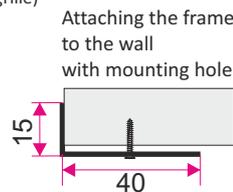## Accessories - RM frame for invisible installation

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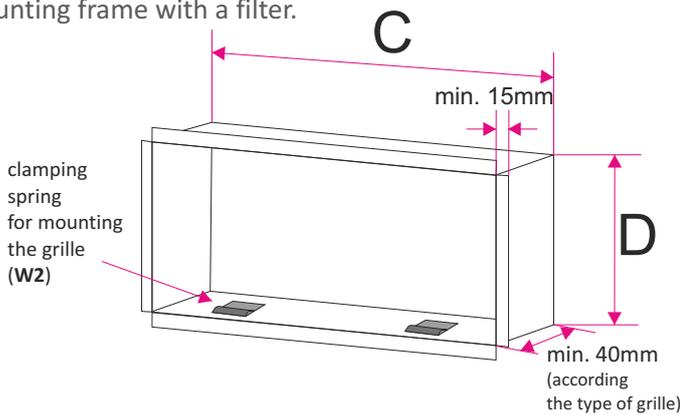


clamping spring for mounting the grille (**W2**)

min. 15mm

min. 40mm (according the type of grille)
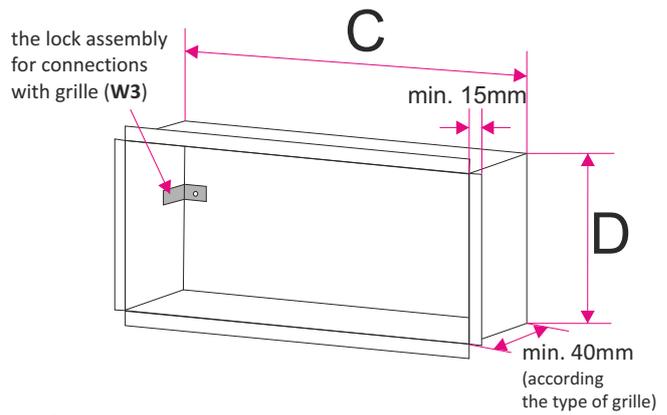
the lock assembly for connections with grille (**W3**)

min. 15mm

min. 40mm (according the type of grille)

Attaching the frame to the wall with mounting hole

$C = L-5$
$D = H-5$

LxH - size of mounting hole

## Accessories- dampers

Grille ST-S/W/G can also be equipped with a damper, positioned directly behind the grille blades. In this type of grille, damper regulation is possible from the front side of grille, without the need for disassembly, by deviation grille blades.
Below there are the types of dampers used for the ventilation grilles.
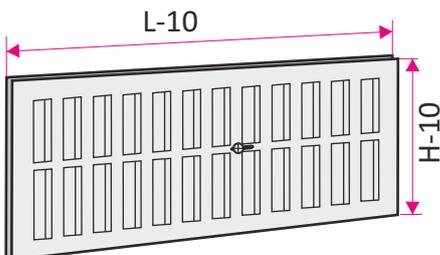


**GS** - slot damper
(above the size of 525x425 the damper must be divided
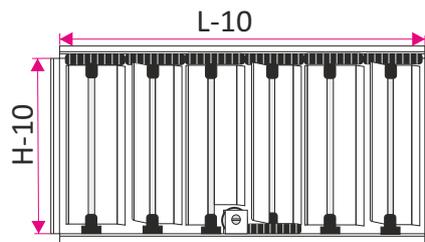
**GP** - damper with counter running blades
(above the size of 525x425 the damper must be divided)
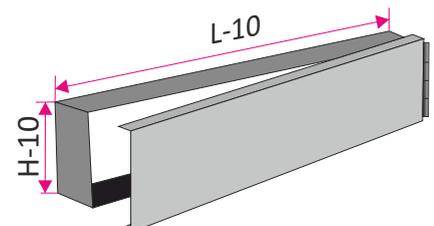
**GU** - cantilevered damper
(especially recommended for grills to spiro channel)

## The method of placing an order

Please make orders according to the following formula:

## ST-S/W/ 'G' / 'LxH' / 'RAL' / 'M' / 'W' + 'SR' / 'I' / 'P' / 'K' / 'H'

| | |
|---|---|
| **'G'** | - adjustment by damper |
| | **GP** - regulation by damper with counter running blades behind grille |
| | **GS** - slot damper |
| | **GU** - cantilevered damper |
| **'LxH'** | - mounting hole size (width x height) in mm |
| **'RAL'** | - grille color according to RAL palette (standard RAL9016*) |
| **'M'** | - material: |
| | **ST** - powder coated steel* |
| | **AL** - aluminum powder coated |
| | **KO** - stainless steel / acid proof steel (type 1.4301 or 1.4404) |
| **'W'** | - mounting option: |
| | **W1** - visible assembly through screws in holes in grille front frame* |
| | **W2** - invisible mounting using latch springs and additional mounting frame |
| | **W3** - invisible assembly using screws, and an additional mounting frame |
| | |
| **'SR'** | - plenum box: |
| | **SR-Gw** - plenum box with top spigot connection |
| | **SR-Bw** - plenum box with side spigot connection |
| | **SR-Tw** - plenum box with back spigot connection |
| **'I'** | - isolation: |
| | **none** - plenum box without isolation* |
| | **Iz** - outside isolation (thermal) |
| | **Iw** - inside isolation (acoustic) |
| **'P'** | - adjustment damper at spigot connection: |
| | **none** - no damper* |
| | **P** - damper on spigot connection adjustable from the outside |
| | **PP** - 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.