

Description and application

Door ventilation grilles double sides, have the function of equalizing-flow. They are part of the ventilation system to ensure flow between rooms. Grilles have still blades in the shape of an inverted V, blocking the visibility. Due to its construction grille flow are used in areas exposed to mechanical damage (boiler rooms, garages, gyms, as well as external air intakes louvres). On request it is possible to make the grille with damper allows adjustment of air. KWSP/D is set mounted primarily in the door leaves and garage doors, where is the need to mask the ventilation hole from both sides of the door. Assembly by using visible screws in stamped holes in the grille frame.

Grille has Hygienic Certificate

Material and workmanship

Grille and masking are in standard made from powder-coated galvanized sheet steel. On the special request it can be made of stainless steel or aluminum and painted in any RAL color. Masking frame MS is made of expanded metal mesh. If the grid KWSP should be in a different color than the masking, should such information be given in the order. Making the order give the information if the grille will be mounted inside or outside the building. The manufacturer reserves the right to make technological changes.

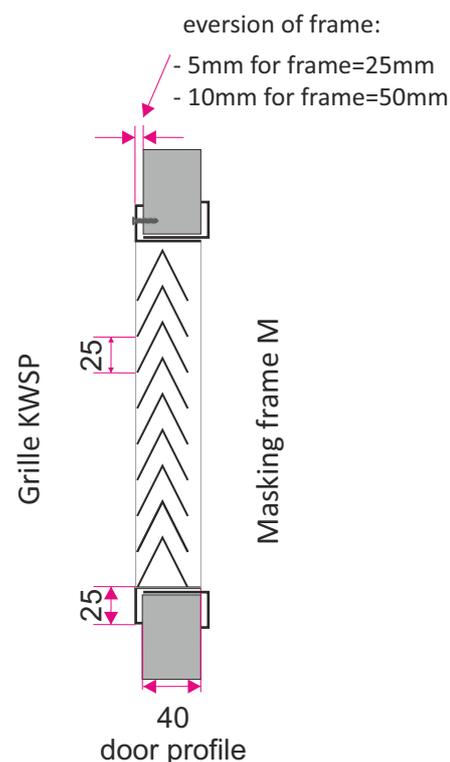
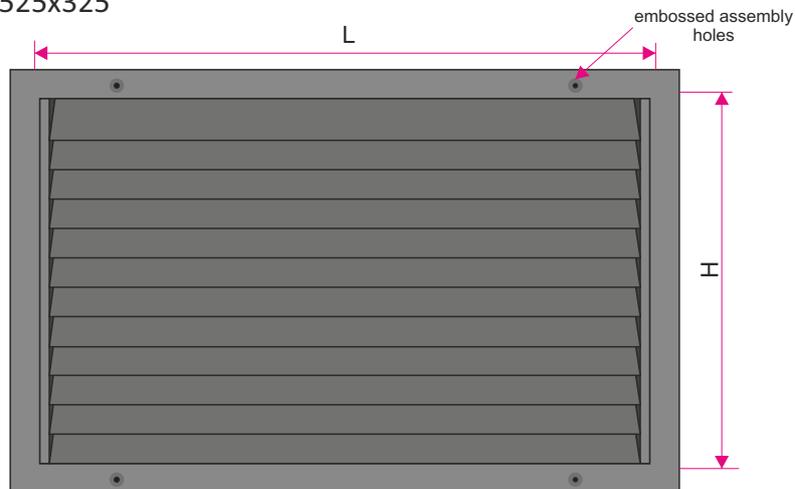
Size

Grilles are manufactured to order. Grilles dimension by the customer request. For $L > 600$ louvre is divided.

The width of the frame:

- 25mm for L or $H < 1000$ mm
- 50mm for L or $H \geq 1000$ mm

EXAMPLE 525x325



Technical data - Surface effective air flow - KWSP+M

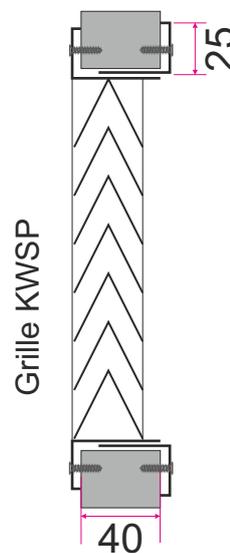
H \ L	225	325	425	525	625	825	1025	1225
mm	Aef (m ²) powierzchnia efektywna							
125	0,009	0,013	0,018	0,022	0,026	0,035	0,044	0,053
225	0,017	0,026	0,034	0,042	0,051	0,068	0,084	0,101
325		0,038	0,050	0,063	0,075	0,100	0,125	0,150
425			0,067	0,083	0,100	0,132	0,165	0,198
525				0,104	0,124	0,165	0,206	0,246
625					0,148	0,197	0,246	0,295

Grilles are made on request. The dimensions in the table are only used for determine the effective area the grille.

Akcesories - masking frame

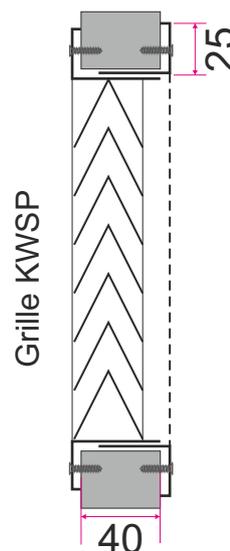
Masking frame are used to cover the imperfections of the other side of the door, where in the grille KWSP is mounted. We offer three types of masking frame normally used complete with grille KWSP double sided.

Masking frame - type **M**



Masking frame without mesh **M**

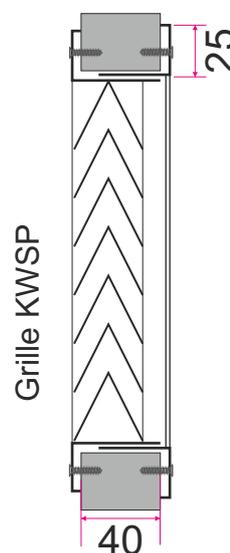
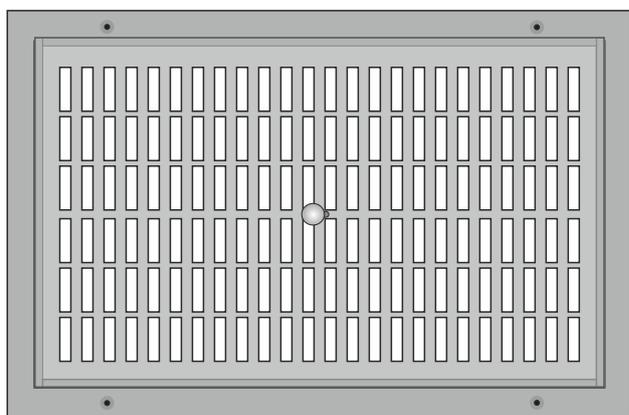
Masking frame - type **MS**



Masking frame with mesh **MS**

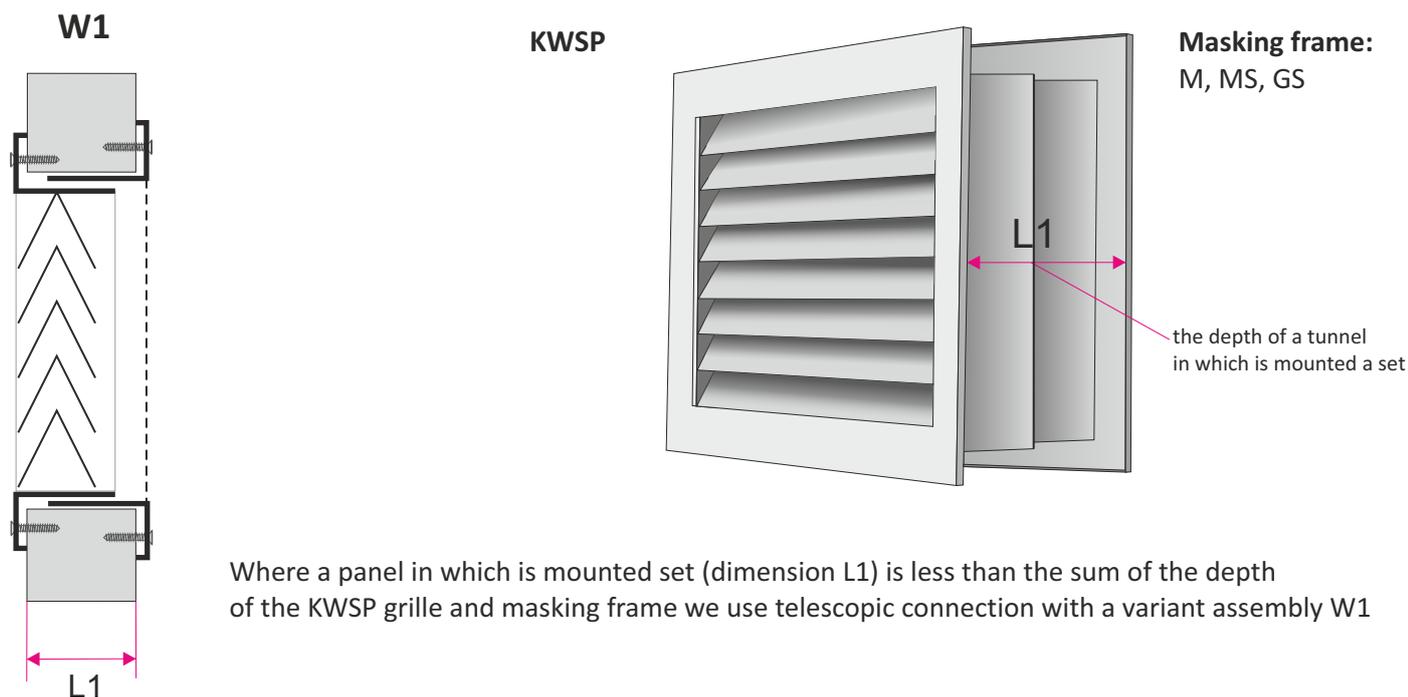
NOTE: You can also install another grille from our offer (need to be agreed).

Masking grille - type **GS**



Slot damper **GS**

Methods of mounting



The method of placing an order

Please make orders according to the following formula:

KWSP/D + 'G' / 'LxH' / 'L1' / 'RAL' / 'M' / 'MM'

'G'	- type of masking frame: M - masking frame without mesh MS - masking frame with mesh GS - slot damper
'LxH'	- mounting hole size (width x height) in mm
'L1'	- the depth of the door panel
'RAL'	- grille color according to RAL palette (standard RAL9016*)
'M'	- material: OC - powder coated steel* AL - aluminum powder coated KO - stainless steel / acid proof steel (type 1.4301 or 1.4404)
'MM'	- mounting place W - inside building Z - outside building (elevations, outside doors)

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