

## Description and application:

Pressed grille KT-1 have the function of supply and exhaust and equalizing-air flow. Grilles have still embossed blades. Due to its construction the air flow grille are used in areas exposed to mechanical damage (boiler rooms, garages, gyms, as well as external air intakes louvre). It is designed for wall mounting, covering pre-prepared mounting holes. The grille frame may have embossments to screws, for fixing the grille directly to the wall.

Application:

- On the cover machinery and mechanical appliances and electronic provide airflow / cooling
- On the wings of the door
- Directly to the ventilation ducts and ventilation chimneys.

## Material and workmanship

Material:

- galvanized steel (standard)
- aluminum
- stainless steel (type 1.4301 or 1.4404)

On request, the grille may have behind blades extra mesh to protect installation against the larger contaminants (solution used for assembling air intake grille as external louvre). When ordering must specify whether the grille is mounted inside the building or outside (elevation, exterior doors). The manufacturer reserves the right to make technological changes.

## Size

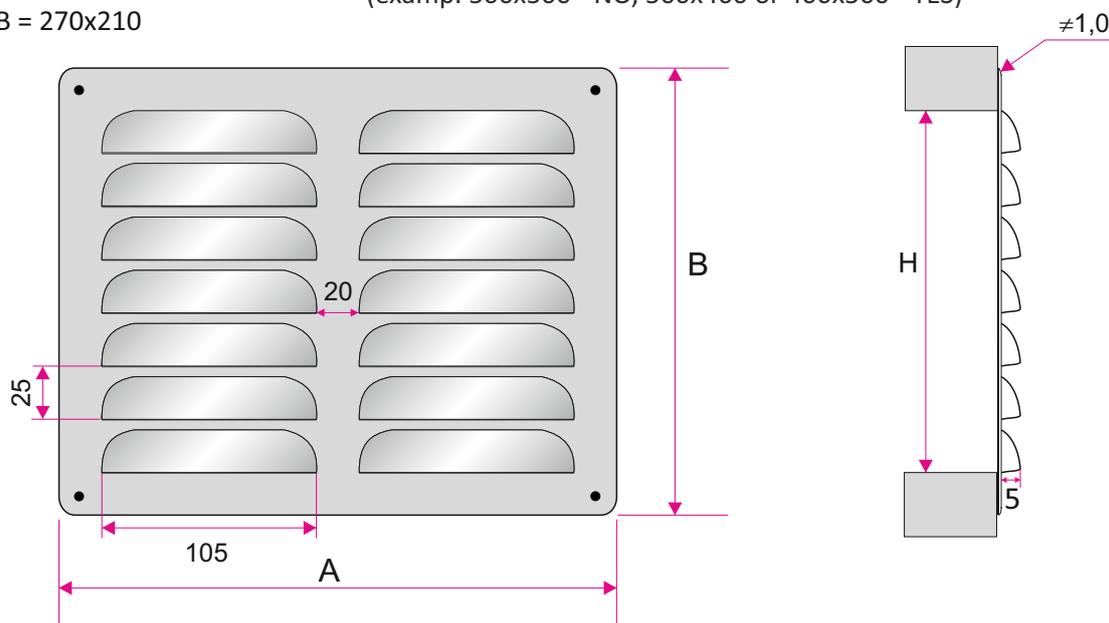
Grilles are manufactured to order. Dimension grille according to the customer request, adapted to the mounting hole LxH.

### EXAMPLE:

Size of mounting hole LxH = 230x170

External size AxB = 270x210

**WARNING:** Only one of these external dimensions can be greater than 400 mm (examp. 500x500 - NO, 500x400 or 400x500 - YES)



## Technical data - The effective area of air flow - size of mounting hole

L \ H mm	105	230	355	480	605	730	855	980
	Aef (m <sup>2</sup> ) effective area							
100	0,002	0,003	0,005	0,006	0,008	0,010	0,011	0,013
200	0,003	0,007	0,010	0,013	0,016	0,019	<b>0,022</b>	<b>0,026</b>
300	0,005	0,010	0,015	0,019	<b>0,024</b>	<b>0,029</b>	<b>0,034</b>	<b>0,038</b>
400	0,006	0,013	0,019	<b>0,026</b>	<b>0,032</b>	<b>0,038</b>	<b>0,045</b>	<b>0,051</b>
500	0,008	0,016	<b>0,024</b>	<b>0,032</b>	<b>0,040</b>	<b>0,048</b>	<b>0,056</b>	<b>0,064</b>
600	0,010	0,019	<b>0,029</b>	<b>0,38</b>	<b>0,048</b>	<b>0,058</b>	<b>0,067</b>	<b>0,077</b>

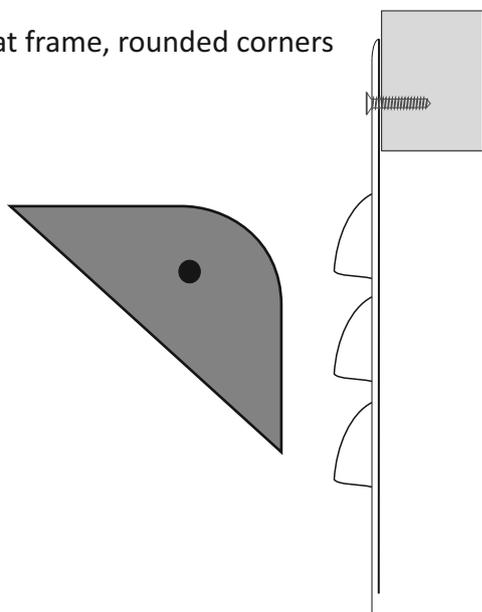


dimensions meet the requirements of flow grilles door

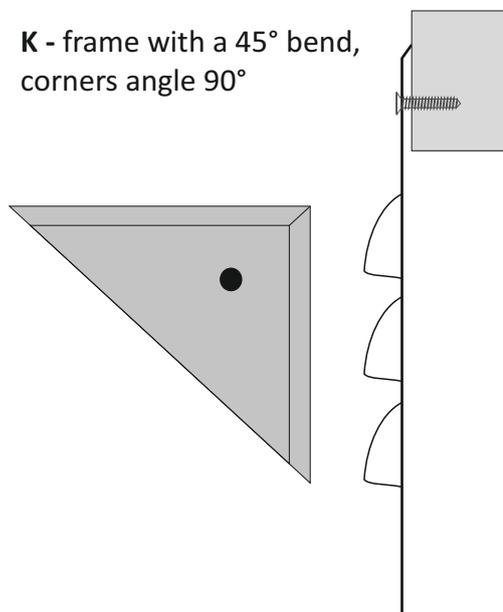
### Method of making

The KT-1 grille is standardly produced in a version that can be screwed onto the mounting hole.  
There are 3 frame variants available.

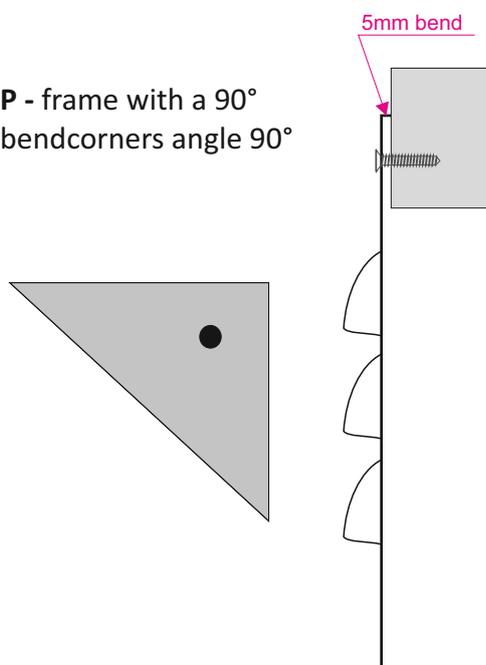
**Z** - flat frame, rounded corners



**K** - frame with a 45° bend, corners angle 90°



**P** - frame with a 90° bend corners angle 90°



## The method of placing an order

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Please make orders according to the following formula:

**KT-1 / 'LxH' / 'RAL' / 'R' / 'W' /**

'LxH'	- mounting hole size (width x height) in mm
'RAL'	- grille color according to RAL palette (standard RAL9016*)
'M.'	- material: <b>OC</b> - galvanized steel <b>AL</b> - aluminum <b>KO</b> - stainless steel
'R'	- frame: <b>Z</b> - frame flatrounded corners* <b>K</b> - frame with a 45° bend, corners angle 90° <b>P</b> - frame with a 90° bend, corners angle 90°
'W'	- mounting: <b>W1</b> - visible assembly on screws through the holes in front frame grille*

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