



EXTERNAL INDUSTRIAL GRILLES 50 mm PITCH

GI
SERIES

OVERVIEW, CHARACTERISTICS
AND MOUNTING SYSTEM

OVERVIEW

GI series are grilles with fixed horizontal blades inclined 49°. These components are designed for mounting in outside walls and they are suitable for both fresh air supply and exhaust. For outside applications is suggested the mounting of bird net.

CHARACTERISTICS

Frame

Extruded aluminium, width 40 mm, rounded corners.

Blades

Extruded aluminium with pitch 50 mm, fixed to the frame by four union points.

Transversal reinforcement

It's mounted only on grilles with dimension B upper than 1200 mm.

Mounting frame

Galvanized sheet steel for mounting on wall or on light structures; extruded aluminium as spacer.

Finishing

Anodized aluminium or painted aluminium colour white RAL 9010 (epoxy powder treatment)

The painted versions don't have the rain protection fin.

MOUNTING SYSTEMS

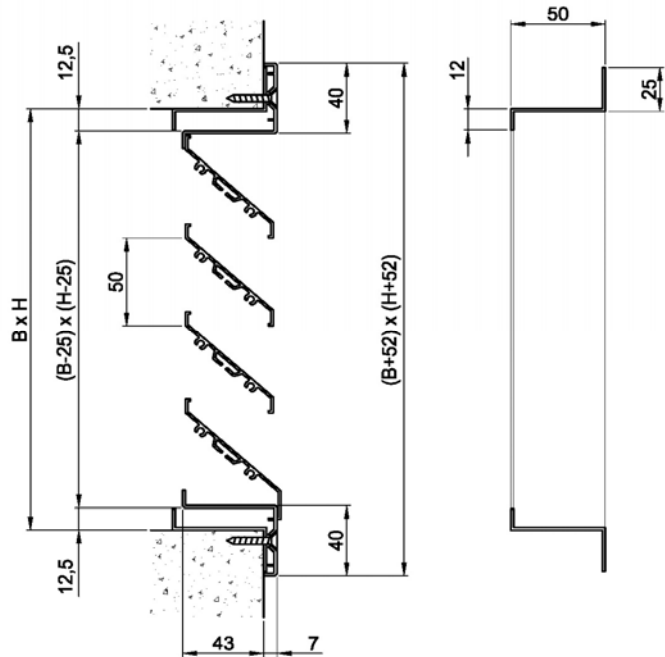
Figure n° 1 : Grille (mod. GI) is positioned on steel mounting frame (mod. TC GI) and both are fixed on the wall by self-threading screws.

Figure n° 2 : Grille (mod. GI) is positioned on aluminium mounting frame (mod. TC4 GI), designed for special application that requires to mount the grille spaced from the wall surface (or panels on air treatment units).

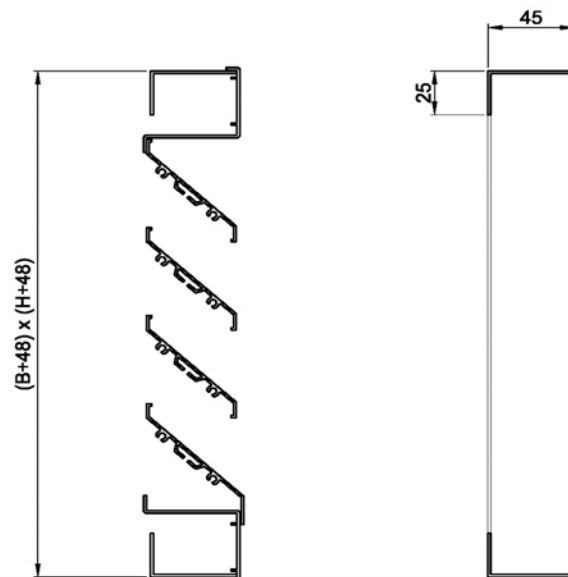
UNSUITABLE ENVIRONMENTS

The aluminum products are not suitable for installation in environments with an atmosphere containing corrosive substances for this material and in particular containing chlorine, such as swimming pools, spas and some types of food industries.

GI + TC Figure no. 1



GI + TC4 Figure no. 2





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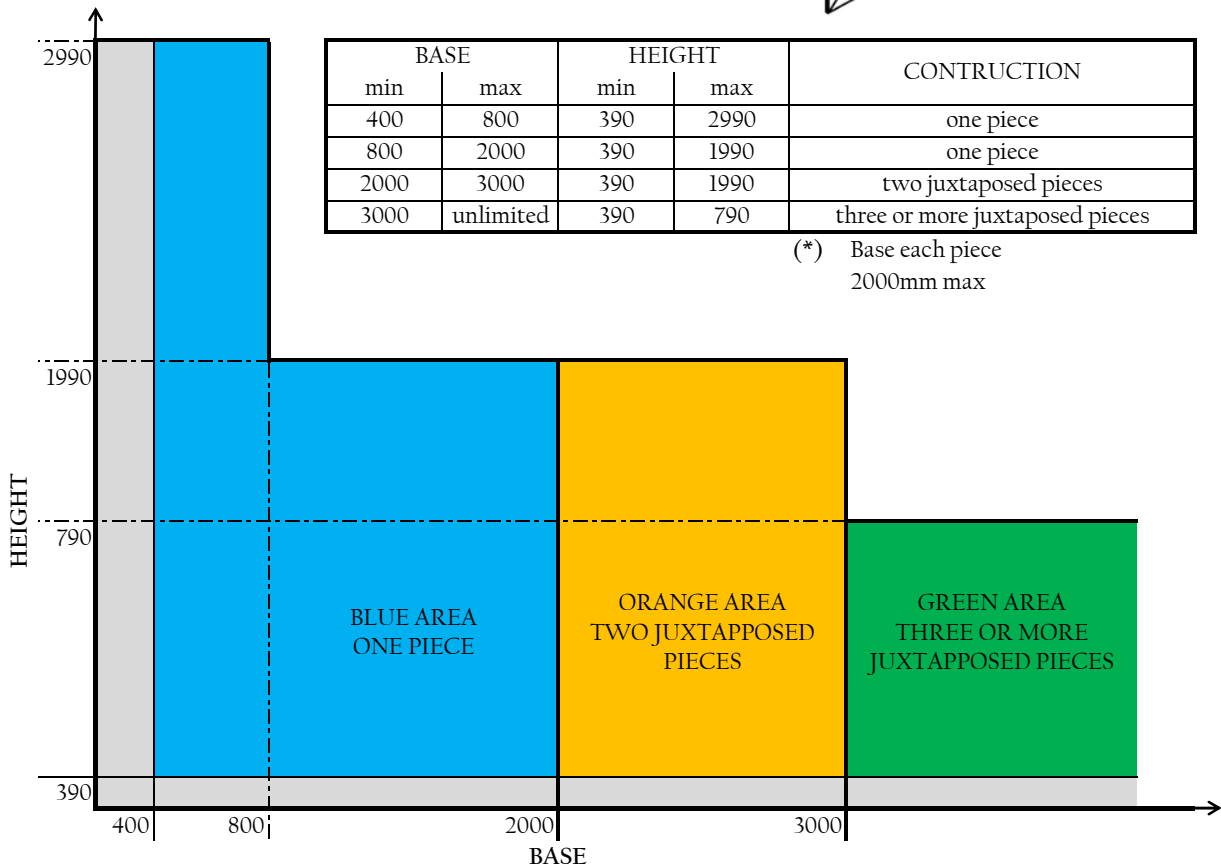
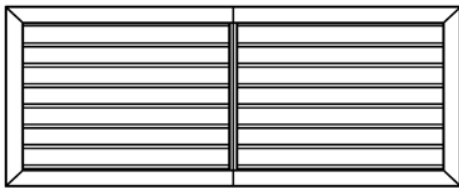
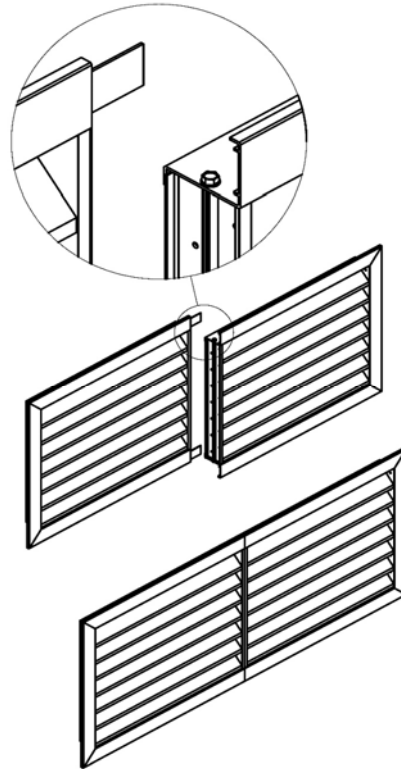
GREAT DIMENSIONS

The grids GI model with width greater than 2000mm are realized juxtaposing two or more elements in accordance with the attached diagram.

To realize the sides of approach a special profile particularly thin is used.

The use of the thin profile in substitution of the frame one allows many advantages including:
negligible reduction of the air passage;
ease of assembly;
perfect alignment between the parts;
improved aesthetic results.

For heights up to 780mm the grille composition allows to achieve any base measure.

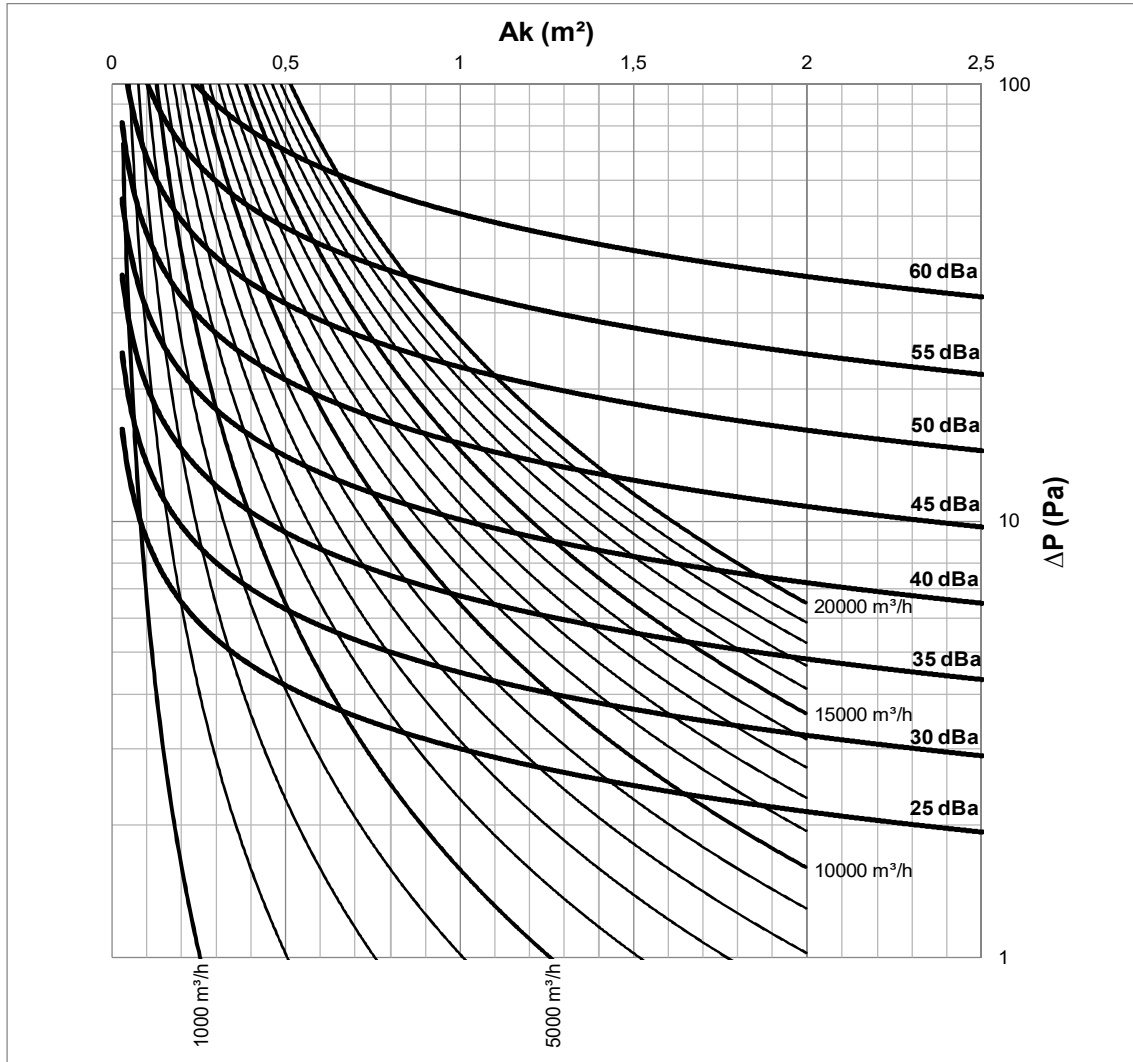




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PERFORMANCE



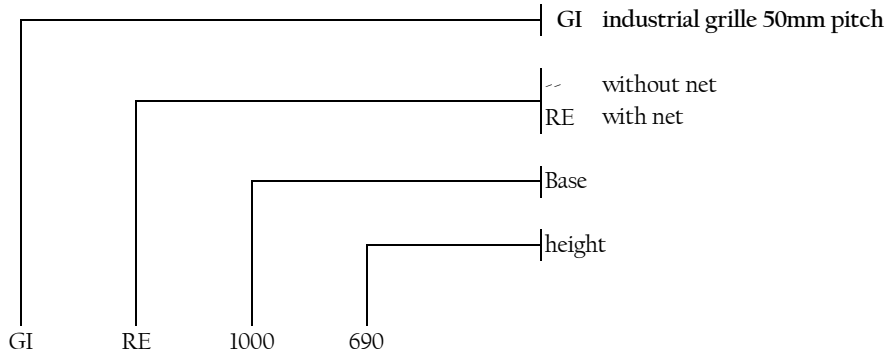
		Ak values (m2)							
H (mm)	L (mm)								
	400	600	800	1000	1200	1400	1600	1800	2000
290	0,0355	0,0555	0,0755	0,0955	0,1155	0,1355	0,1555	0,1755	0,1955
390	0,0533	0,0833	0,1133	0,1433	0,1733	0,2033	0,2333	0,2633	0,2933
490	0,0710	0,1110	0,1510	0,1910	0,2310	0,2710	0,3110	0,3510	0,3910
590	0,0888	0,1388	0,1888	0,2388	0,2888	0,3388	0,3888	0,4388	0,4888
690	0,1065	0,1665	0,2265	0,2865	0,3465	0,4065	0,4665	0,5265	0,5865
790	0,1243	0,1943	0,2643	0,3343	0,4043	0,4743	0,5443	0,6143	0,6843
890	0,1420	0,2220	0,3020	0,3820	0,4620	0,5420	0,6220	0,7020	0,7820
990	0,1598	0,2498	0,3398	0,4298	0,5198	0,6098	0,6998	0,7898	0,8798
1190	0,1953	0,3053	0,4153	0,5253	0,6353	0,7453	0,8553	0,9653	1,0753
1390	0,2308	0,3608	0,4908	0,6208	0,7508	0,8808	1,0108	1,1408	1,2708
1590	0,2663	0,4163	0,5663	0,7163	0,8663	1,0163	1,1663	1,3163	1,4663
1790	0,3018	0,4718	0,6418	0,8118	0,9818	1,1518	1,3218	1,4918	1,6618
1990	0,3373	0,5273	0,7173	0,9073	1,0973	1,2873	1,4773	1,6673	1,8573



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HOW TO ORDER



Standard bases
400
600
800
1000
1200
1400
1600
1800
2000

Standard Heights
390
490
590
690
790
890
990
1190
1390
1590
1790
1990

