Shooting grids G/01

SHOOTING GRIDS SERIES -G/01

CARATTERISTICHE

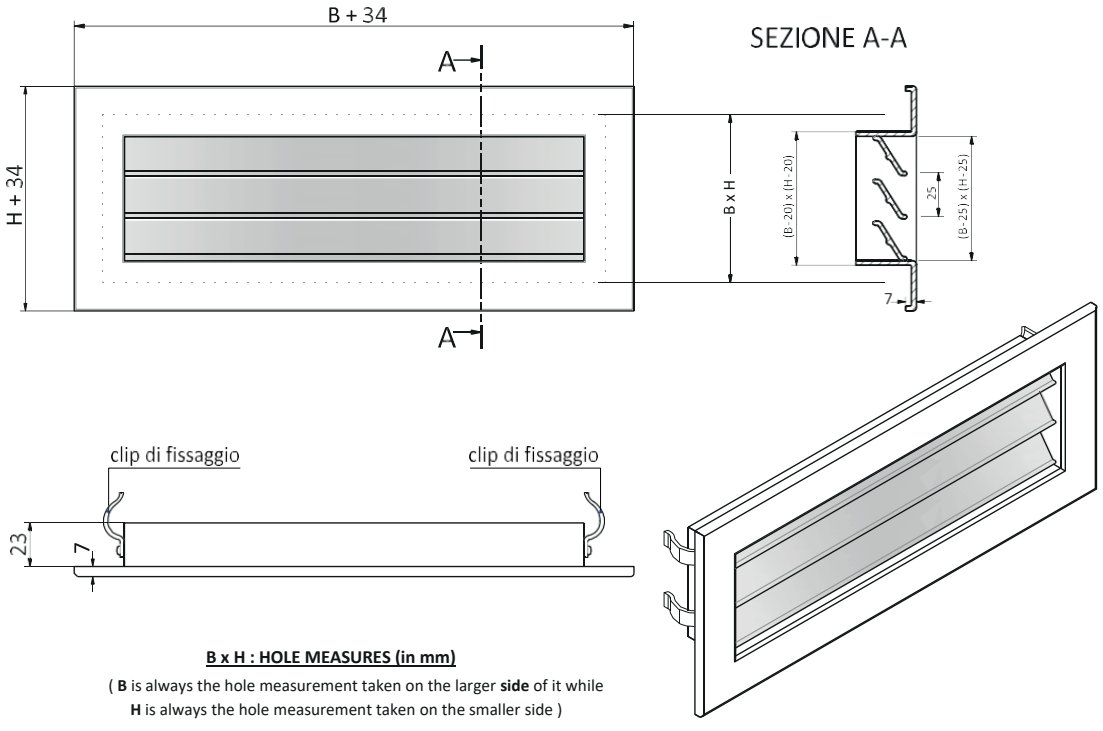
Single-order intake grille with fixed horizontal fins inclined at 45°.

Material of construction: anti-condensation **PVC**
Color: White RAL 9010
Flap pitch: 25 mm
Extinguishing grade: Class V0 Operating
temperature: -30°C/+60°C Fixing methods:
Clips, screws, magnets

ACCESSORIES (optional)

- Calibration damper mod. S/01
- Galvanized sheet metal counter frame mod. C/01
- Polycarbonate plenum mod. EP/01 or polyisocyanurate (PAL) or PVC. For sizes 200/300/400x100, adapters are also usable.

DIMENSIONS



B x H : HOLE MEASURES (in mm)

(**B** is always the hole measurement taken on the larger **side** of it while **H** is always the hole measurement taken on the smaller side)

QUICK SELECTION TABLE

Code	Hole size BxH [mm]	Effective area [m^2]	Flow rate (m^3/h) with v=1m/s Pressure drop: 2 Pa	Flow rate (m^3/h) with v=2m/s Pressure drop: 4 Pa	Flow rate (m^3/h) with v=2.5m/s Pressure drop: 7 Pa	Flow rate (m^3/h) with v=3m/s Pressure drop: 10 Pa	Flow rate (m^3/h) with v=4m/s Pressure drop: 17 Pa
-G/01200X100B	200x100	0.0040	15	30	37	44	53
-G/01300X100B	300x100	0.0055	21	42	52	63	84
-G/01400X100B	400x100	0.0085	28	57	71	85	114
-G/01500X100B	500x100	0.0095	36	72	90	108	144
-G/01600X100B	600x100	0.0115	44	88	109	131	174
-G/01800X100B	800x100	0.0155	59	117	147	176	235
-G/01300X150B	300x150	0.0110	42	84	104	126	167
-G/01400X150B	400x150	0.0150	57	114	142	171	228
-G/01500X150B	500x150	0.0200	72	144	180	216	288
-G/01600X150B	600x150	0.0240	87	174	218	261	348
-G/01700X150B	700x150	0.0280	102	204	256	307	409
-G/01800X150B	800x150	0.0330	117	235	293	352	469
-G/01200X200B	200x200	0.0110	42	84	109	126	168
-G/01300X200B	300x200	0.0175	63	125	157	188	251
-G/01400X200B	400x200	0.0240	85	171	213	256	341
-G/01500X200B	500x200	0.0300	108	216	270	324	432
-G/01600X200B	600x200	0.0360	131	261	327	392	523
-G/01700X200B	700x200	0.0430	153	307	383	460	613
-G/01800X200B	800x200	0.0490	176	352	440	528	704
-G/011000X200B	1000x200	0.0615	221	445	554	664	886
-G/01300X300B	300x300	0.0290	104	208	261	312	416
-G/01400X300B	400x300	0.0400	142	284	355	426	567
-G/01500X300B	500x300	0.0555	180	359	449	539	719
-G/01600X300B	600x300	0.0605	217	435	544	652	870
-G/01800X300B	800x300	0.0815	293	586	733	879	1172
-G/011000X300B	1000x300	0.1025	369	737	922	1106	1475
-G/01400X400B	400x400	0.0555	202	403	504	596	795
-G/01600X400B	600x400	0.0850	305	609	761	914	1218
-G/01800X400B	800x400	0.1150	410	821	1026	1231	1642
-G/011000X400B	1000x400	0.1435	516	1032	1291	1549	2065
-G/01500X500B	500x500	0.0900	323	647	808	970	1293
-G/01800X500B	800x500	0.1470	527	1055	1319	1582	2110
-G/011000X500B	1000x500	0.1850	663	1327	1659	1990	2654
-G/01595X595B [*]	561x561	0.1150	407	814	1017	1218	1625
-G/01600X600B	600x600	0.1330	479	958	1197	1435	1914
-G/01800X600B	800x600	0.1790	645	1290	1612	1934	2579
-G/011000X600B	1000x600	0.2260	811	1622	2028	2433	3244

(*) For this grid, as the only exception, the nominal dimensions are the external dimensions (595x595 mm), so this grid is suitable for installation on 60x60 cm modular ceiling.

v = grid crossing speed (v_k)

Parameters for calculating flow rates : shutter closing (optional) = 0%

The 'area is considered as effective useful area, the sum of the individual areas between fins measured on the narrowest airflow passages.

Correspondence between the value of the crossing speed **v** and the noise index **NR** , with an indication of the type of installation environment:

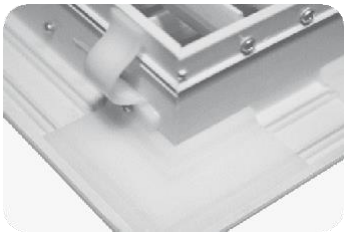
- for v = 1 m/s ... noise index 10<NR<15 (in all environments for v.m.c. systems, concert halls, libraries))
- For v = 2 m/s ... noise index 15<NR<20 (apartments, hotel rooms, hospital rooms)
- for v = 2.5 m/s ...noise index 20<NR<25 (hotel rooms, radio studios, offices in general, restaurants).
- for v = 3 m/s and for v = 4 m/s ... noise index NR>25 (environments such as shopping malls or industrial buildings).

GRID ATTACHMENT SYSTEMS (AMONG THEM ALTERNATIVE): CLIPS, SCREWS, MAGNETS

Each of the three systems is not included in the grid delivery price but is quoted separately. In the absence of any other indication from the customer, FITT AGIX provides the standard fixing system, i.e. the one with the clips that are delivered already fixed on the grid.

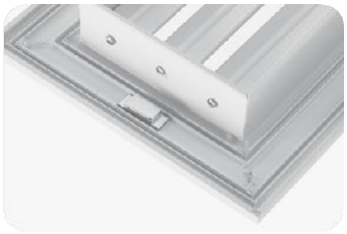
In the case of ceiling or false ceiling installations, 100% method reliable is with screws and clips are not recommended. Of the three fixing systems, the one with screws, in particular, corresponds to a grid that is not provided with holes and therefore delivered aesthetically identical to a grid provided with clips or magnets.

Clips (standard, except)
The set of clips supplied with each grid is 4 in number.



Screws (on request, separately)
The screws, made of galvanized steel, are supplied painted RAL 9010 on the heads. The vent frame is easily drilled by the customer, who can freely choose the location of the holes. A set of No. 4 screws is provided for any size of vents, except for vents having the largest side equal to 1000mm for which the set provides No. 8 screws.

Magnets (on request, separately)
The magnet attachment system is particularly suitable where there is a need for frequent maintenance. The magnets are supplied already assembled with the nozzle. The set of magnets supplied with each nozzle is in a number dependent on the nominal size of the nozzle:



	Set of no.4 magnets	Set of no.6 magnets	Set of no.8 magnets	Set of no.10 magnets
Nom. measurements. glycol BxH	200x100	600x100	800x150	1000x200
	300x100	800x100	800x200	1000x300
	400x100	500x150	600x200	1000x400
	500x100	600x150	700x200	1000x500
	300x150	700x150	800x200	1000x600
	400x150	500x200	800x300	800x600
	200x200	500x300	800x400	
	300x200	600x300	800x500	
	400x200	600x400	595x595	
	300x300		600x600	
	400x300			
	400x400			
	500x500			

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