

- Floor grilles
- Aluminium
- Natural finish
- Fixed blades 0°



Linear aluminium floor grilles type ALG-F-0

Aluminium grilles with fixed blades and removable inner part. The grilles are always made on overall dimensions LXH.

Brand

- Cairox

Application

- Grilles **ALG-F** are used for air supply and air exhaust in ventilation and air conditioning systems. Floor mounting.

Material

- Aluminium

Colour

- Natural aluminium finish
- Other colours available upon request

Composition

- Frame and blades made of aluminium
- Natural colour finish

Accessories

- Opposite blade volume control damper available upon request
- Plenum box available upon request
- Insulated plenum box available upon request

Other available products

- Grille **ALG-F-15** with 15° deflection or grille **ALG-TF-0** or **ALG-TF-15** for technical floor 600 x 600 mm

Text for tender

- The air supply grilles are mounted in the floor, have fixed blades and are supplied with a volume control damper.
- Natural colour finish
- **Cairox** type **ALG-F-0**

Order example

■ ALG-F-0, 800 X 200

Explanation

ALG-F 0 = Grille type

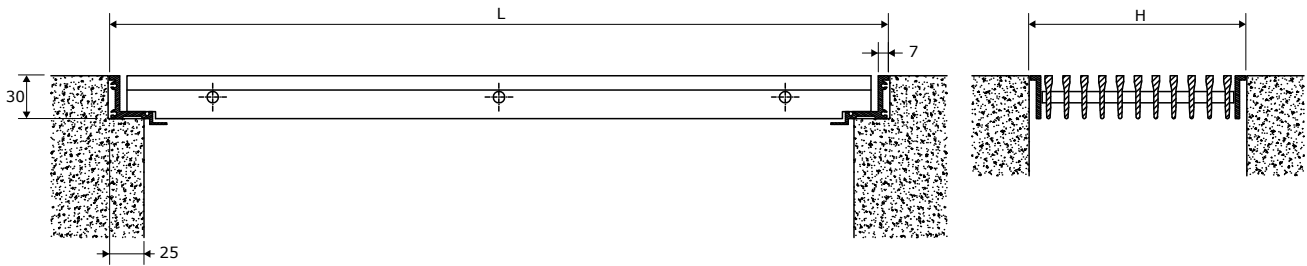
800 = Length

200 = Height

Accessories (optional)

Galvanized steel damper

Galvanized steel plenum box



Quick selection																
ALG-F-0	LxH	200x100	300x100	400x100 300x150 200x200	500x100	600x100 400x150 300x200	500x150	800x100 400x200	600x150 300x300	500x200 1000x100	800x150 600x200 400x300	1000x150 800x200 500x300	600x300	1000x200	800x300	1000x300
Q	Ak	0.0062	0.0113	0.0123	0.0216	0.0226	0.0323	0.0329	0.0339	0.0431	0.0493	0.0647	0.0801	0.0945	0.1068	0.1417
50	Vk	2.2	1.2	1.1												
	Y0,25	1	0.7	0.7												
	Ps	3	1	1												
	Lw(A)	<20	<20	<20												
100	Vk	4.5	2.5	2.3	1.3	1.2										
	Y0,25	2	1.5	1.4	1.1	1.1										
	Ps	12	4	3	1	1										
	Lw(A)	25	<20	<20	<20	<20										
150	Vk	6.7	3.7	3.4	1.9	1.8	1.3	1.3	1.2							
	Y0,25	3	2.2	2.1	1.6	1.6	1.3	1.3	1.3							
	Ps	26	8	7	2	2	1	1	1							
	Lw(A)	36	23	21	<20	<20	<20	<20	<20							
200	Vk		4.9	4.5	2.6	2.5	1.7	1.7	1.6	1.3	1.1					
	Y0,25		3	2.9	2.2	2.1	1.8	1.7	1.7	1.5	1.4					
	Ps		14	12	4	4	2	2	1	1	1					
	Lw(A)		30	29	<20	<20	<20	<20	<20	<20	<20					
300	Vk			6.8	3.9	3.7	2.6	2.5	2.5	1.9	1.7	1.3	1			
	Y0,25			4.3	3.2	3.2	2.6	2.6	2.6	2.3	2.1	1.9	1.7			
	Ps			27	9	8	4	4	4	2	2	1	1			
	Lw(A)			39	27	26	<20	<20	<20	<20	<20	<20	<20			
400	Vk				5.1	4.9	3.4	3.4	3.3	2.6	2.3	1.7	1.4	1.2	1	
	Y0,25				4.3	4.2	3.5	3.5	3.4	3.1	2.9	2.5	2.2	2.1	1.9	
	Ps				15	14	7	7	6	4	3	2	1	1	1	
	Lw(A)				34	33	26	25	25	<20	<20	<20	<20	<20	<20	
600	Vk					5.2	5.1	4.9	3.9	3.4	3.4	2.6	2.1	1.8	1.6	1.2
	Y0,25					5.3	5.2	5.2	4.6	4.3	3.7	3.4	3.1	2.9	2.5	
	Ps					16	15	14	9	7	4	3	2	1	1	
	Lw(A)					36	36	35	30	27	21	<20	<20	<20	<20	<20
800	Vk						6.8	6.6	5.2	4.5	3.4	2.8	2.4	2.1	1.6	
	Y0,25						7	6.9	6.1	5.7	5	4.5	4.1	3.9	3.4	
	Ps						27	25	16	12	7	5	3	3	1	
	Lw(A)						43	42	37	35	29	24	21	<20	<20	<20
1000	Vk								6.4	5.6	4.3	3.5	2.9	2.6	2	
	Y0,25								7.6	7.1	6.2	5.6	5.2	4.9	4.2	
	Ps								24	18	11	7	5	4	2	
	Lw(A)								43	40	34	30	26	24	<20	
1200	Vk									6.8	5.2	4.2	3.5	3.1	2.4	
	Y0,25									8.6	7.5	6.7	6.2	5.8	5.1	
	Ps									27	16	10	7	6	3	
	Lw(A)									45	39	35	31	28	22	
1600	Vk												5.5	4.7	4.2	3.1
	Y0,25												9	8.3	7.8	6.7
	Ps												18	13	10	6
	Lw(A)												42	38	36	30
1800	Vk												6.2	5.3	4.7	3.5
	Y0,25												10.1	9.3	8.7	7.6
	Ps												22	16	13	7
	Lw(A)												45	41	39	33
2000	Vk													5.9	5.2	3.9
	Y0,25													10.3	9.7	8.4
	Ps													20	16	9
	Lw(A)													44	42	36

Symbols and specifications

- LxH = Width L and height H in mm
- Q = Air volume in m³/h
- Ak = Effective surface (free area) in m²
- Vk = Average effective velocity through the grille in m/s
- Y0,25 = Vertical throw in m at an end velocity Vt of 0.25m/s
- Ps = Static pressure loss given in Pa

- $L_w(A)$ = Acoustic power in dB(A)
- The values are given for isothermal supply air without coanda effect.
- The pressure losses P_a are given for grilles without damper or with fully opened damper
- The acoustic powers $L_w(A)$ are given for grilles without damper or with fully opened damper without room attenuation. Acoustic powers below 20dB(A) are mentioned as "<20" in the tables.
- For all other special requirements, please contact our engineering office.

Placement instruction

