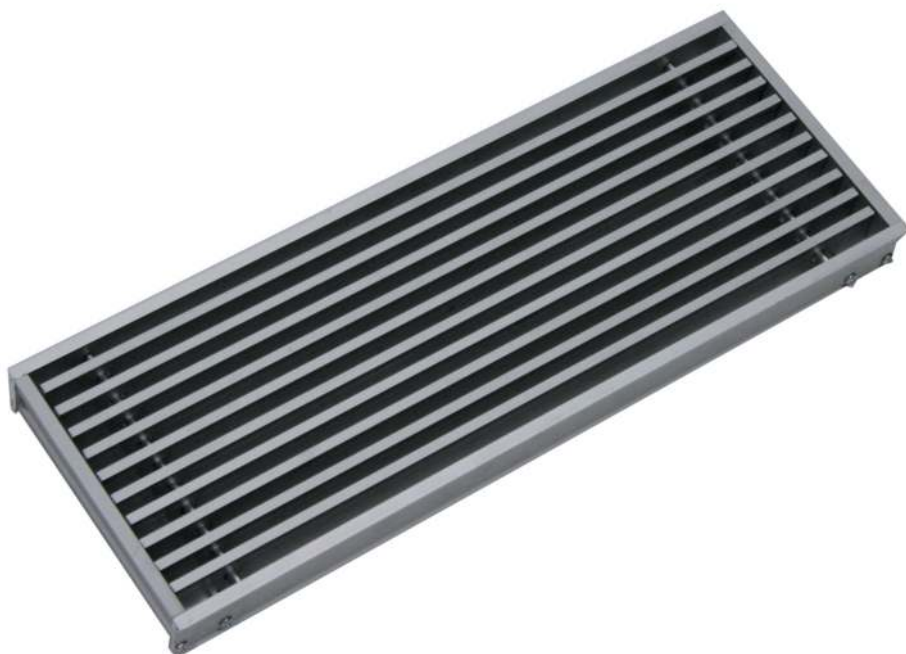


- Floor grilles
- Aluminium
- Natural finish
- Fixed blades 0°



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

Order example

- **ALG-F-0, 800 X 200**

Explanation

ALG-F 0 = Grille type

800 = Length

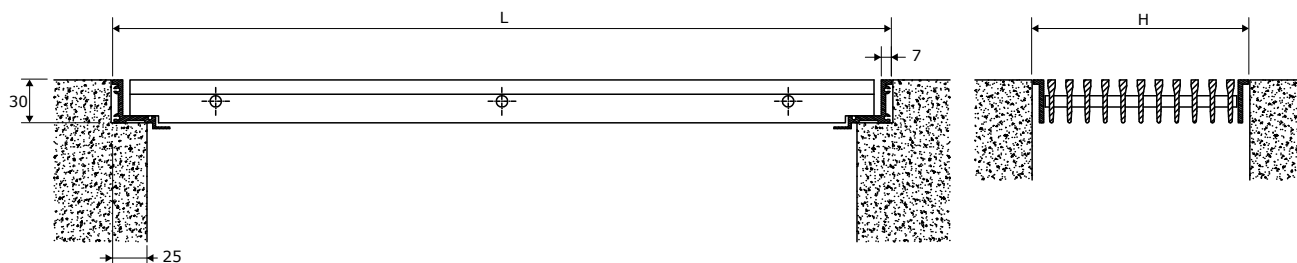
200 = Height

Accessories (optional)

Galvanized steel damper

Wall and floor grilles

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	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	
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	
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	
	Y0,25													9	8.3	7.8	
	Ps													18	13	10	
	Lw(A)													42	38	36	
1800	Vk													6.2	5.3	4.7	
	Y0,25													10.1	9.3	8.7	
	Ps													22	16	13	
	Lw(A)													45	41	39	
2000	Vk														5.9	5.2	
	Y0,25														10.3	9.7	
	Ps														20	16	
	Lw(A)														44	42	

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
- Lw(A) = Acoustic power in dB(A)

- The values are given for isothermal supply air without coanda effect.
- The pressure losses Pa are given for grilles without damper or with fully opened damper
- The acoustic powers Lw(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

