Linear aluminium floor grilles type ALG-F-15

Single deflection grilles with fixed blades

Brand

- Cairox

Application

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

Material

- Aluminium

Colour

- Natural finish
- Other colours available upon request

Composition

- Deflection: fixed under 15°
- Single row of blades
- Blade pitch of 12,5mm

Mounting

- Mounting with clips

Accessories

- Volume control damper available upon request
- Plenum box available upon request
- Insulating plenum box available upon request

Other available products

- Type **ALG-F-0** without deflection or **ALG-TF-0** or **ALG-TF-15** for technical floor

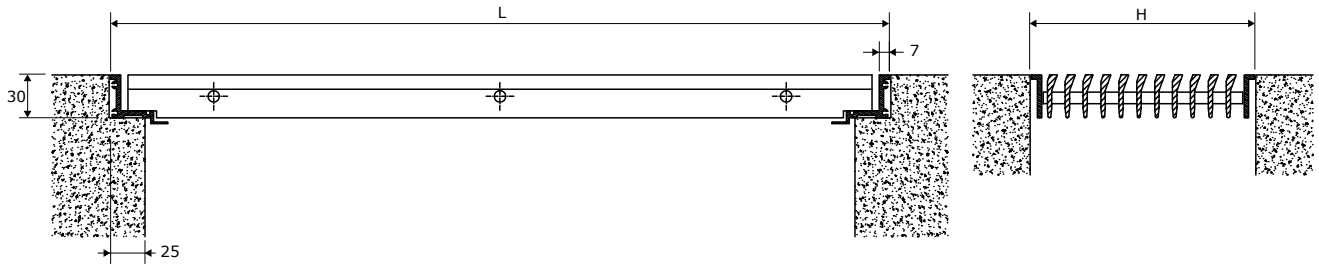
Order example

- **ALG-F-15, 800 X 200**

Explanation
ALG-F-15 = Grille type
800 = Length

Wall and floor grilles

200 = Height
Accessories (optional)
Galvanized steel damper
Galvanized steel plenum box



Quick selection																
ALG-F-15	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
Qv	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	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 0.25 m/s
- Ps = Static pressure loss in Pa
- Lw(A) = Acoustic power in dB(A)

- The values are given for isothermal supply air without coanda effect.
- The pressure losses Ps 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