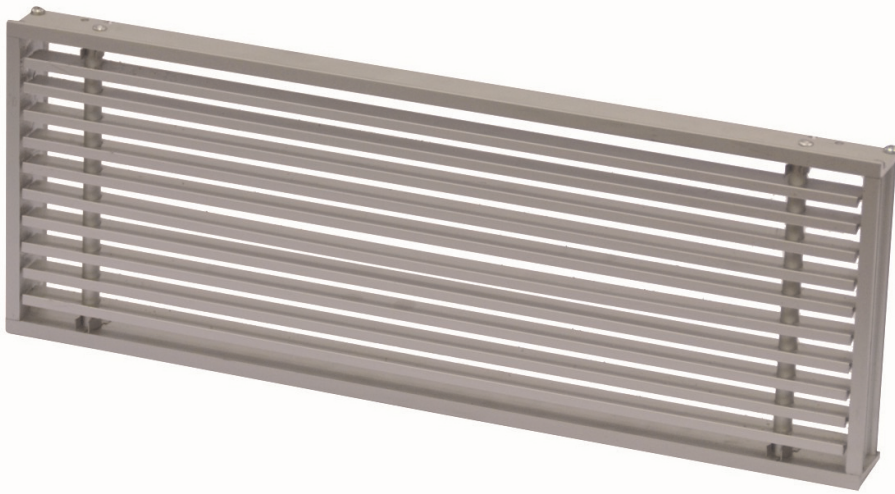


- Wall grilles
- Aluminium
- Anodized natural finish
- Fixed blades 0°
- 7 mm



Aluminium linear wall grilles type ALG-XS-0

Anodized aluminium grilles with fixed blades, a frame of 7mm and a blade pitch of 12.5 mm.
Deflection of the blades 0°.

Brand

- Cairox

Application

- Used for air supply and air exhaust in ventilation and air conditioning systems

Material

- Aluminium
- Available from size 400x75mm till 1200x300mm LxH

Colour

- Anodized natural finish
- Other colours available upon request

Composition

- Deflection: fixed 0°
- Single row of horizontal blades

Mounting

- Invisible mounting with screw hole provided on the inside of the frame
- The horizontal fixed blades can be removed from the frame for easy access to the fixing holes

Other available products

- **ALG-XS-15** with 15° deflection and small frame of 7mm
- **ALG-0** with 0° deflection and frame of 25mm
- **ALG-15** with 15° deflection and frame of 25mm

Text for tender

- The air supply wall grilles have fixed blades with extra small frame provided with screwholes for easy mounting.
- **Cairox Type ALG-XS**

Order example

■ALG-XS-0, 800, 200

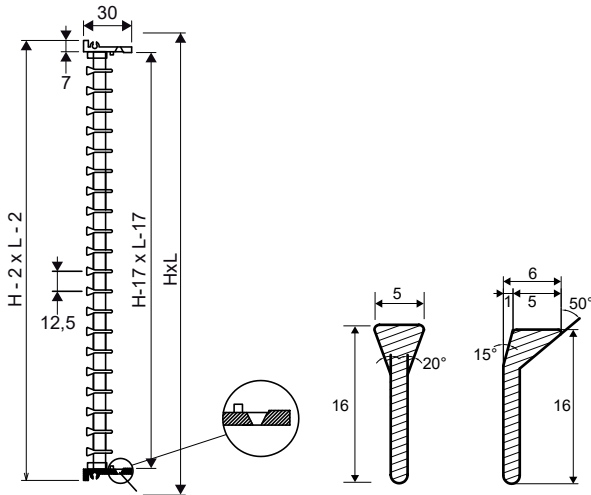
Explanation

ALG-XS-0 = Grille type

0° = type of blade

800 = Length

200 = Height



		Quick selection																
ALG-XS	LxH	200x100	400x75 300x100	500x75	400x100 300x150 200x200	600x75	500x100	800x75 600x100 400x150 300x200	1000x75 500x150	800x100 400x200	1200x75 600x150	500x200 1000x100	1200x100 800x150 600x200 400x300	1000x150 800x200 500x300	1200x150 600x300	1000x200	1200x200 800x300	1200x300
Qv	Ak	0.0021	0.0083	0.0129	0.0145	0.0176	0.0206	0.0268	0.0361	0.0392	0.0453	0.0515	0.0638	0.0823	0.1008	0.1132	0.1379	0.2119
50	Vk	6.6	1.7	1.1														
	X0,25	5.7	3.3	2.9														
	Ps	32	2	1														
	Lw(A)	30	<20	<20														
100	Vk	3.3	2.2	1.9	1.6	1.3	1											
	X0,25	6.1	5.1	4.8	4.5	4.2	3.8											
	Ps	8	4	3	2	1	1											
	Lw(A)	24	<20	<20	<20	<20	<20	<20										
150	Vk	5	3.2	2.9	2.4	2	1.6	1.2	1.1									
	X0,25	8.8	7.3	6.9	6.4	6	5.4	4.8	4.6									
	Ps	19	8	6	4	3	2	1	1									
	Lw(A)	32	26	25	22	<20	<20	<20	<20									
200	Vk	6.7	4.3	3.8	3.2	2.7	2.1	1.5	1.4	1.2	1.1							
	X0,25	11.5	9.5	9	8.3	7.8	7	6.2	6	5.6	5.4							
	Ps	33	14	11	8	6	3	2	2	1	1							
	Lw(A)	38	32	30	27	25	22	<20	<20	<20	<20							
300	Vk		6.5	5.7	4.7	4	3.1	2.3	2.1	1.8	1.6	1.3	1					
	X0,25		13.9	13.2	12.2	11.4	10.2	9	8.7	8.1	7.7	7.1	6.4					
	Ps		30	24	17	12	7	4	4	3	2	1	1					
	Lw(A)		40	38	35	33	30	25	24	22	21	<20	<20					
400	Vk			7.7	6.3	5.4	4.1	3.1	2.8	2.5	2.2	1.7	1.4	1.1				
	X0,25			17.4	16	15	13.3	11.7	11.3	10.6	10.1	9.2	8.3	7.6				
	Ps			42	29	21	13	7	6	5	4	2	1	1				
	Lw(A)			44	41	39	35	31	30	28	26	23	<20	<20				
600	Vk						6.2	4.6	4.3	3.7	3.2	2.6	2	1.7	1.5	1.2		
	X0,25						19.7	17.3	16.7	15.6	14.8	13.5	12.1	11.1	10.5	9.7		
	Ps						28	16	13	10	8	5	3	2	2	1		
	Lw(A)						43	39	38	36	34	31	27	25	23	20		
800	Vk									6.2	5.7	4.9	4.3	3.5	2.7	2.2	1.6	1
	X0,25									22.8	22	20.6	19.5	17.8	15.9	14.5	13.8	12.7
	Ps									28	24	18	14	9	6	4	3	2
	Lw(A)									44	43	41	39	37	33	30	29	26
1000	Vk																	
	X0,25									7.7	7.1	6.1	5.4	4.4	3.4	2.8	2.5	2
	Ps									28.4	27.3	25.6	24.2	22	19.7	18	17.1	15.7
	Lw(A)									43	36	27	21	14	9	6	5	3
1200	Vk																	
	X0,25																	
	Ps																	
	Lw(A)																	
1600	Vk																	
	X0,25																	
	Ps																	
	Lw(A)																	
2000	Vk																	
	X0,25																	
	Ps																	
	Lw(A)																	

Symbols and specifications

- $L \times H$ = Width L and height H in mm
 - Q = Air volume in m^3/h
 - A_k = Effective surface (free area) in m^2
 - V_k = Average effective velocity through the grill in m/s
 - $X_{0.25}$ = Horizontal throw in m at an end velocity V_t of 0.25 m/s
 - P_s = Static pressure loss given in Pa
 - $L_w(A)$ = Acoustic power in $dB(A)$
- The throw $X_{0.25}$ is given without deflection of the airstream at an end velocity of 0.25 m/s . The distances are given for a smooth ceiling and installation distance of the center of the grille at 300 mm from the ceiling surface. When mounted at a distance of 400 to 600 mm from the ceiling, a horizontal deflection towards the ceiling of 15° is advised. When mounted at a distance larger than 600 mm from the ceiling, the throw distance $X_{0.25}$ will be smaller than mentioned due to the missing coanda effect. In these cases and for all other special requirements, please contact our engineering office.
 - The values are given for isothermal supply air. Throw distances for cooling conditions at $-11K$ can be calculated by dividing the $X_{0.25}$ values with factor 1.1. For heating purposes at Dt of $+11K$ a multiplier of 1.1 should be applied to the given $X_{0.25}$ value.
 - Advised mounting distance between centers of multiple grilles in the same wall should be greater than $1/3$ of the throw length $X_{0.25}$ (without spread)
 - The pressure losses P_s 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 20 $dB(A)$ are mentioned as " <20 " in the tables.

Placement instruction