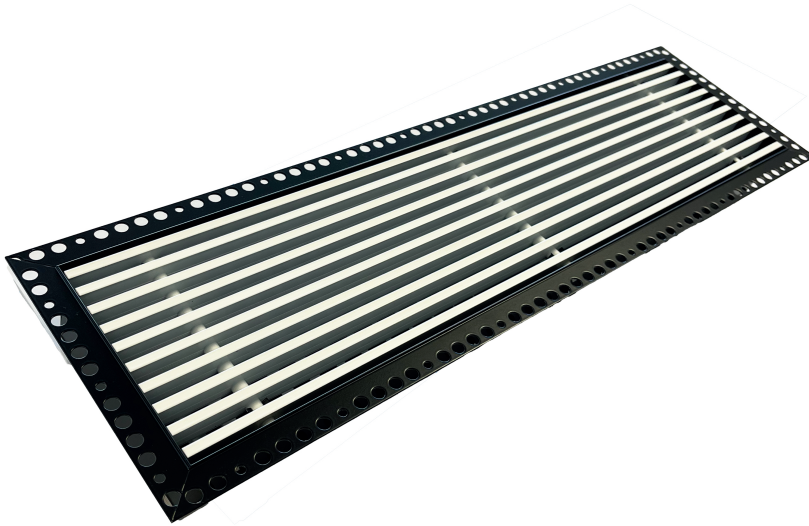


**ALG-GYP
(RAL9016)**

- Wall grilles
- Aluminium
- White, RAL 9016
- Fixed blades 0°



Aluminium linear wall grilles with concealed frame type ALG-GYP (RAL9016)

Anodized aluminium grilles with fixed blades painted in RAL9016, with concealed frame and a blade pitch of 15 mm.
Deflection of the blades 0°.

Brand

- Cairox

Application

- Used for air supply and air exhaust in ventilation and air conditioning systems
- Can be used optionally to form continuous lines of grilles of a certain length with sections that can be linked together. (Maximum length per section 2000 mm)

Material

- Aluminium
- Standard available from size 200x50mm till 1000x400mm LxH, other dimensions always on request

Colour

- Standard colour white, RAL 9016
- Other colours available upon request

Composition

- Deflection: fixed 0°
- Single row of horizontal blades painted in white RAL9016
- Frame made of mitre cut aluminium profiles painted black RAL9005
- Individually adjustable vertical blades mounted at the back of the grille painted black RAL9005

Mounting

- To be placed between two plasterboards in walls or ceilings and can be finished with stucco or plasterwork
- Concealed fixing by means of specially designed frame to facilitate wall mounting and finishing with plasterboard paste or similar.
- The horizontal fixed blades can be removed from the frame for easy mounting, cleaning and inspection.

Other available products

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

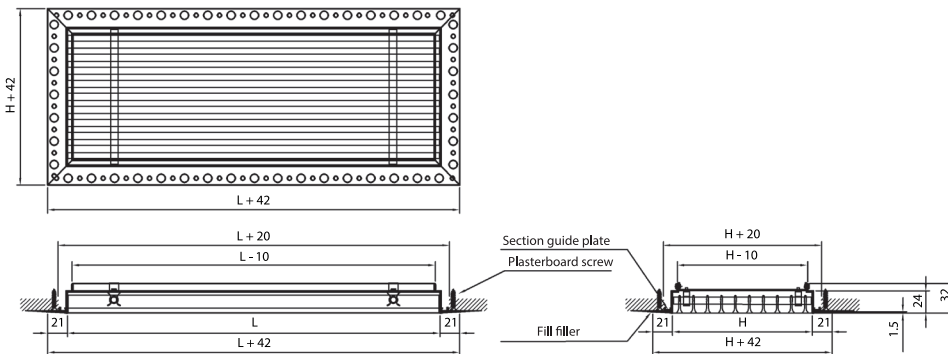
Text for tender

- Linear grille for supply or return air with concealed perimeter frame, type **ALG-GYP**, dimensions LxH (mm), with fixed horizontal blades (0° deflection), for installation in suspended ceiling or wall. Blade block that can be detached manually by means of pressure clips to access the interior of the unit or duct for cleaning, inspection or to access the filter etc.
- Characterised by the absence of a visible profile, with only the horizontal blades of the grille visible, providing an overall pleasing aesthetic appearance. A control damper and individually moveable vertical blades can be fitted optionally to provide secondary deflection.
- **Cairox** type **ALG-GYP**

Order example

- **ALG-GYP-0, 800, 200**

Explanation

ALG-GYP = Grille type**0°** = Type of blade**800** = Length**200** = Height

Quick selection															
ALG-GYP-0	LxH	200x50	200x75 300x50	200x100 400x50	300x75	500x50	200x150 300x100 400x75 600x50	500x75	200x200 400x100 800x50	300x150 600x75	500x100 1000x50	300x200 400x150 600x100 800x75	300x250 500x150 1000x75	400x200 800x100	300x300 600x150
Qv	Ak	0.0047	0.0071	0.0095	0.0106	0.0118	0.0151	0.0189	0.0202	0.0227	0.0252	0.0315	0.0394	0.042	0.0473
50	Vk	3	2	1.5	1.3	1.2									
	Y0,25	1.1	0.9	0.8	0.8	0.7									
	Ps	6	3	2	1	1									
	Lw(A)	<20	<20	<20	<20	<20									
100	Vk	5.9	3.9	2.9	2.6	2.4	1.8	1.5	1.4	1.2	1.1				
	Y0,25	2.3	1.9	1.6	1.5	1.4	1.3	1.1	1.1	1	1				
	Ps	24	10	6	5	4	2	2	1	1	1				
	Lw(A)	28	<20	<20	<20	<20	<20	<20	<20	<20	<20				
150	Vk	5.9	4.4	3.9	3.5	2.8	2.2	2.1	1.8	1.7	1.3	1.1			
	Y0,25	2.8	2.4	2.3	2.2	1.9	1.7	1.6	1.6	1.5	1.3	1.2			
	Ps	24	13	10	8	5	3	3	2	2	1	1			
	Lw(A)	30	23	21	<20	<20	<20	<20	<20	<20	<20	<20			
200	Vk		5.8	5.2	4.7	3.7	2.9	2.8	2.4	2.2	1.8	1.4	1.3	1.2	
	Y0,25		3.2	3	2.9	2.5	2.3	2.2	2.1	2	1.8	1.6	1.5	1.4	
	Ps		23	18	15	9	6	5	4	3	2	1	1	1	
	Lw(A)		31	28	26	21	<20	<20	<20	<20	<20	<20	<20	<20	<20
300	Vk			5.5	4.4	4.1	3.7	3.3	3.3	2.6	2.1	2	1.8	1.2	
	Y0,25			3.8	3.4	3.3	3.1	3	2.6	2.4	2.3	2.3	2.2	2.2	
	Ps			21	13	11	9	7	5	3	3	3	2	2	
	Lw(A)			31	27	25	23	20	20	<20	<20	<20	<20	<20	<20
400	Vk					5.9	5.5	4.9	4.4	4.4	3.5	2.8	2.6	2.3	
	Y0,25					4.5	4.4	4.1	3.9	3.5	3.1	3	2.9	2.9	
	Ps					24	21	16	13	8	5	5	4	4	
	Lw(A)					34	33	30	28	23	<20	<20	<20	<20	<20
600	Vk									6.6	5.3	4.2	4	3.5	
	Y0,25									5.9	5.3	4.7	4.6	4.3	
	Ps									30	19	12	11	8	
	Lw(A)									38	33	29	27	25	
800	Vk											5.6	5.3	4.7	
	Y0,25											6.3	6.1	5.7	
	Ps											21	19	15	
	Lw(A)											36	35	32	
1000	Vk												6.6	5.9	
	Y0,25												7.6	7.2	
	Ps												30	24	
	Lw(A)												40	38	
ALG-GYP-0	LxH	400x250 500x200 1000x100	400x300 600x200 800x150	500x250	500x300 600x250 1000x150	800x200	400x400	600x300	500x400 800x250 1000x200	600x400 800x300	1000x250	1000x300	800x400	1000x400	
Qv	Ak	0.0525	0.068	0.0709	0.0851	0.0907	0.0972	0.1021	0.1134	0.1436	0.1496	0.1796	0.1915	0.2394	
400	Vk	2.1	1.6	1.6	1.3	1.2	1.1	1.1							
	Y0,25	2.7	2.4	2.3	2.1	2.1	2	2							
	Ps	3	2	2	1	1	1	1							
	Lw(A)	<20	<20	<20	<20	<20	<20	<20							
600	Vk	3.2	2.5	2.4	2	1.8	1.7	1.6	1.5	1.2	1.1				
	Y0,25	4.1	3.6	3.5	3.2	3.1	3	2.9	2.8	2.5	2.4				
	Ps	7	4	4	3	2	2	2	2	1	1				
	Lw(A)	23	<20	<20	<20	<20	<20	<20	<20	<20	<20				
800	Vk	4.2	3.3	3.1	2.6	2.5	2.3	2.2	2	1.5	1.5	1.2	1.2		
	Y0,25	5.5	4.8	4.7	4.3	4.2	4	3.9	3.7	3.3	3.2	2.9	2.9		
	Ps	12	7	7	5	4	4	3	3	2	2	1	1		
	Lw(A)	30	24	24	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	
1000	Vk	5.3	4.1	3.9	3.3	3.1	2.9	2.7	2.4	1.9	1.9	1.5	1.5	1.2	
	Y0,25	6.8	6	5.9	5.4	5.2	5	4.9	4.6	4.1	4	3.7	3.6	3.2	
	Ps	19	11	10	7	7	6	5	4	2	2	2	2	1	
	Lw(A)	36	30	29	25	24	23	22	<20	<20	<20	<20	<20	<20	<20
1200	Vk	6.3	4.9	4.7	3.9	3.7	3.4	3.3	2.9	2.3	2.2	1.9	1.7	1.4	
	Y0,25	8.2	7.2	7	6.4	6.2	6	5.9	5.6	4.9	4.8	4.4	4.3	3.8	
	Ps	27	16	15	10	9	8	7	6	4	3	2	2	1	
	Lw(A)	40	35	34	30	29	27	26	24	<20	<20	<20	<20	<20	<20
1600	Vk		6.5	6.3	5.2	4.9	4.6	4.4	3.9	3.1	3	2.5	2.3	1.9	
	Y0,25		9.6	9.4	8.6	8.3	8	7.8	7.4	6.6	6.5	5.9	5.7	5.1	
	Ps		29	27	18	16	14	13	10	7	6	4	4	2	
	Lw(A)		42	41	37	36	35	34	31	26	25	22	20	<20	<20
2000	Vk				6.5	6.1	5.7	5.4	4.9	3.9	3.7	3.1	2.9	2.3	
	Y0,25				10.7	10.4	10	9.8	9.3	8.2	8.1	7.4	7.1	6.4	
	Ps				29	25	22	20	16	10	9	7	6	4	
	Lw(A)				43	42	40	39	37	32	31	27	26	21	
2500	Vk							6.8	6.1	4.8	4.6	3.9	3.6	2.9	
	Y0,25							12.2	11.6	10.3	10.1	9.2	8.9	8	
	Ps							32	25	16	14	10	9	6	
	Lw(A)							45	43	38	37	33	32	27	
3000	Vk									5.8	5.6	4.6	4.4	3.5	
	Y0,25									12.4	12.1	11.1	10.7	9.6	
	Ps									23	21	14	13	8	
	Lw(A)									42	42	38	36	32	

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
- X0.25 = Horizontal throw in m at an endvelocity Vt of 0.25 m/s
- Ps = Static pressure loss given in Pa
- Lw(A) = Acoustic power in dB(A)

■ The throw X0.25 is given without deflection of the airstream at an end velocity of 0.25m/s. The distances are given for a smooth ceiling and installation distance of the center of the grille at 300mm 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 600mm from the ceiling, the throw distance X0.25 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 Δt 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 20dB(A) are mentioned as "<20" in the tables.

Placement instruction

