

# GRIDLINED®



## GRIDLINED®

An adaptive grille for all your projects.

**GRILLES AND AIR DISTRIBUTION**



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**Aldes** CAD Library

# GRIDLINED® AN ADAPTIVE GRILLE FOR ALL YOUR PROJECTS.

Gridlined® is the Aldes range of aluminium bar grilles by Aldes.

The grilles are made on demand in our Belgium plant and are available in all dimensions and finishes to fit any ventilation or air conditioning systems.

Three families are available:

- Wall type for air supply and recirculation via a wall-mounted grille
- Floor type for installation in the floor
- Exhaust type for extraction only, on the wall or ceiling

## More aesthetic

A modern design suited to office ambiances, a high quality anodised or white aluminium finish. Customise your Gridlined® grille to your interior design with a wide range of RAL colours and imitation wood, marble, copper haute-couture prints.

## Greater comfort

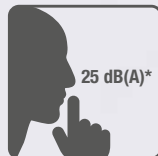
Easily controlled air jet with adjustment of length and width of air jet.

## Easier installation

To size your project, use the Aldes digital simulation software (Koanda and Commercial Selector).

Aldes teams are at your service to help you select the optimum solution for your project.

To simplify installation, Gridlined grilles are directly inserted into Aldes accessories (mounting frames, plenum) using clips or clasps for ceiling installations or where frequent removal is required.



\* Sound power level  $L_w$  at 1000 m³/h for dimensions of 1000 x 150 mm.

## PRESENTATION



Gridlined Wall



Gridlined Exhaust



Gridlined Floor

## ADVANTAGES

**MODERN DESIGN****SIMPLE TO INSTALL****CUSTOM FINISH****CUSTOM DIMENSIONS**

## GRIDLINED WALL RANGE

### FIELD OF APPLICATION

- Air supply and exhaust for all ventilation & air conditioning applications
- Grilles fitted with rear deflector for air supply (type D) or simple for recirculation
- Wall or perimeter mounted

### DESCRIPTION

- Extruded aluminium profiles
- Fixed horizontal front bars with 15° deflection angle
- 23 mm wide frame
- Type D: fitted with row of individually-adjustable rear fins, perpendicular to bars
- Core type: core only, no frame

### MOUNTING

- Invisible, using clips (F3)
- Invisible, using clasps (F3)
- No fastenings (F0)

NB: the Core type is supplied without fastenings

### FINISH

- Anodised aluminium, natural satin hue
- RAL 9010 white epoxy paint, 30% matt
- RAL range paint selected by architect
- "Haute-couture" finish

### ACCESSORIES

- AGB damper (aluminium) with counter-rotary movement. Adjusted using a screw. Clip-mounted on grille
- Steel mounting frame F4 or F6
- Steel connection plenum with rear or side branch connector

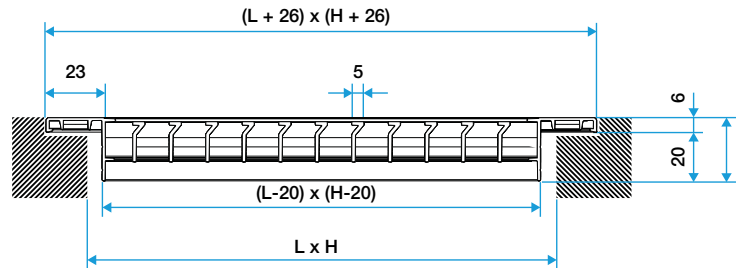
### OPTIONS

- Pivoting access gates for use as ventilation-convection grille
- "Pool" protection (corrosion resistance)
- Built-in damper with adjustment screw
- Airtight seal on frame

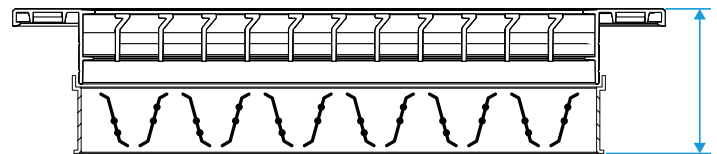
### STANDARD DIMENSIONS

- Lengths (L) from 200 mm to 2,000 mm in a single piece
- Possible to assemble 2,000 mm long elements on site to create decorative linear bands (continuous grille)
- Heights (H) from 75 mm to 800 mm (except type D, limited to 300 mm)
- 1 mm production pitch for length and 5 mm for height
- Height of damper H limited to 500 mm

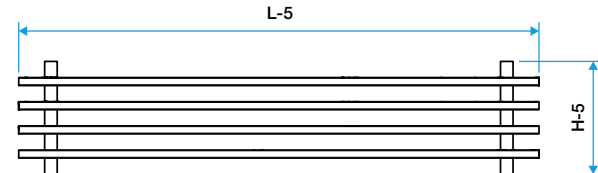
### DIMENSIONS



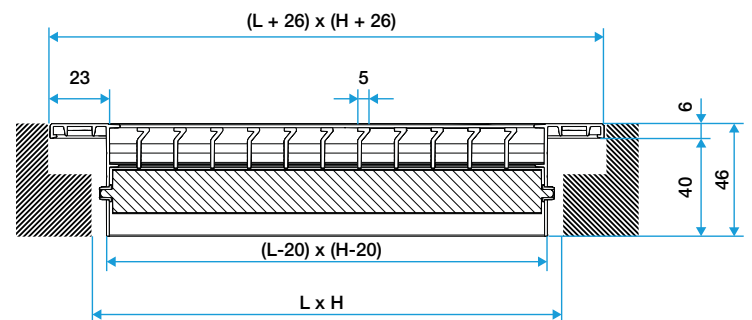
Gridlined Wall



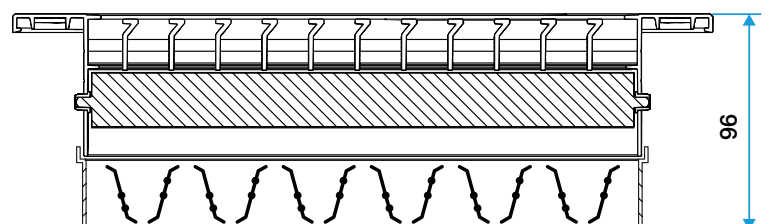
Gridlined Wall with fitted damper



Gridlined Wall core



Gridlined Wall dual deflector



Gridlined Wall dual deflector with fitted damper

## GRIDLINED FLOOR RANGE

### FIELD OF APPLICATION

- Air supply and exhaust for all ventilation & air conditioning applications
- For installation in floor
- Suitable for chlorinated atmospheres, such as pools

### DESCRIPTION

- Extruded aluminium profiles
- Fixed front bars with 15° deflection angle
- Robust frame reinforced with U-shaped profiles, 5 mm visible edge
- Load resistance: max. 150 kg over a surface of 12.5 cm<sup>2</sup> in centre of grille
- Removable core as standard

### MOUNTING

- Frame supplied with sealing brackets (as standard)

### FINISH

- Anodised aluminium, natural satin hue
- RAL 9010 white epoxy paint, 30% matt
- RAL range paint selected by architect
- "Haute-couture" finish

### ACCESSORIES

- AGB damper (aluminium) with counter-rotary movement. Adjusted using a screw. Supplied mounted on grille
- 90° angle piece

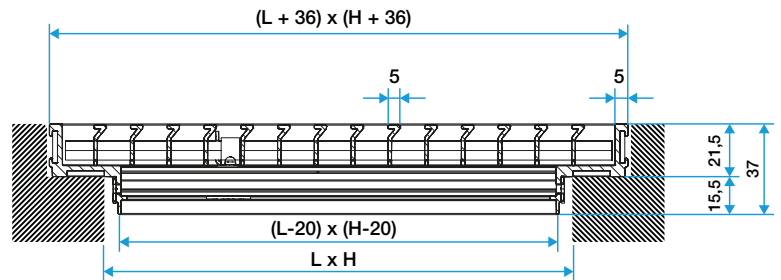
### OPTIONS

- Built-in damper with adjustment screw
- Core fastening (removable with screws)

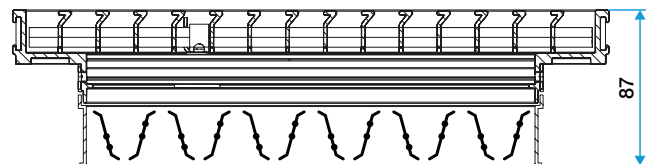
### STANDARD DIMENSIONS

- Lengths (L) from 200 mm to 2,000 mm in a single piece
- Possible to assemble 2,000 mm long elements on site to create decorative linear bands (continuous grille)
- Heights (H) from 75 mm to 300 mm
- 1 mm production pitch for length and 5 mm for height
- Height of damper H limited to 500 mm

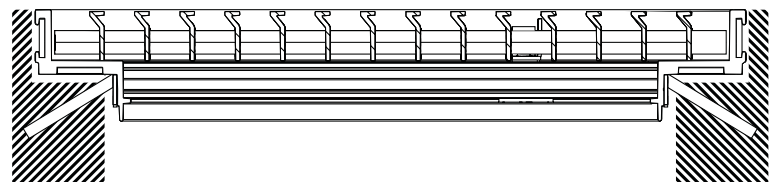
### DIMENSIONS



Gridlined Floor



Gridlined Floor with fitted damper



Gridlined Floor with sealing brackets

## GRIDLINED EXHAUST RANGE

### FIELD OF APPLICATION

- Exhaust only, for all ventilation & air conditioning applications
- Wall or ceiling-mounted

### DESCRIPTION

- Extruded aluminium profiles
- 45° fixed fins, blocking for confidentiality function
- 23 mm wide frame
- Core type: core only, no frame

### MOUNTING

- Invisible, using clips (F3)
- Invisible, using clasps (F3)
- No fastenings (F0)

NB: the Core type is supplied without fastenings

### FINISH

- Anodised aluminium, natural satin hue
- RAL 9010 white epoxy paint, 30% matt
- RAL range paint selected by architect
- "Haute-couture" finish

### ACCESSORIES

- AGB damper (aluminium) with counter-rotary movement.  
Direct adjustment or with screw. Clip-mounted on grille
- Steel mounting frame F4 or F6
- Steel connection plenum with rear or side branch connector

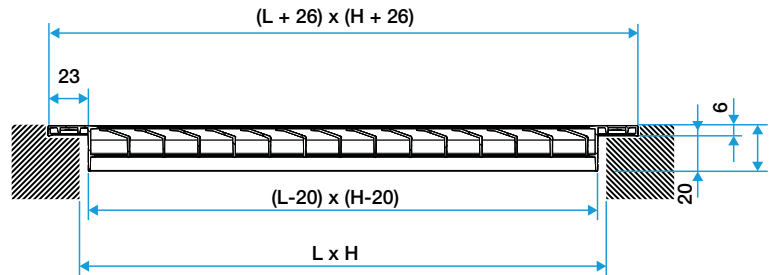
### OPTIONS

- "Pool" protection (corrosion resistance)
- Built-in damper with adjustment screw
- Airtight seal on frame

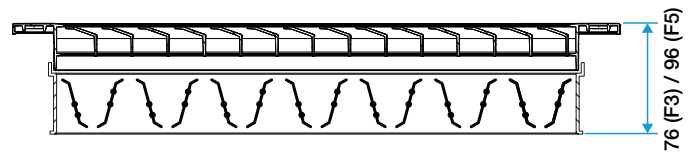
### STANDARD DIMENSIONS

- Lengths (L) from 200 mm to 2,000 mm
- Heights (H) from 75 mm to 800 mm
- 1 mm production pitch for length and 5 mm for height
- Height of damper H limited to 500 mm

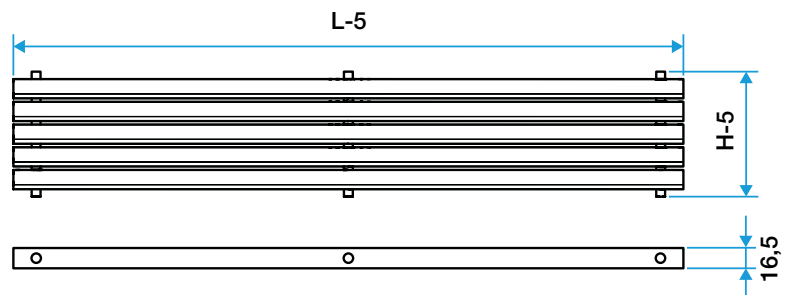
### DIMENSIONS



Gridlined Exhaust



Gridlined Exhaust with fitted damper



Gridlined Exhaust core

**GRIDLINED® WALL STOCK RANGE**

Dimensions	Gridlined Wall white	Gridlined Wall anodised	Damper SGS	Mounting frame F4	Plenum with rear connection MT F3	Plenum with side connection ME F3
200 x 100	11050562	-	11053241	11053761	11053632	11053662
300 x 100	11050563	-	11053243	11053763	11053634	11053664
400 x 100	11050564	-	11053244	11053764	11053635	11053665
500 x 100	11050565	11050245	11053245	11053765	11053636	11053666
600 x 100	11050566	11050246	11053271	11053780	11053637	11053667
1000 x 100	11050568	11050248	11053273	11053782	11053639	11053669
300 x 150	11050569	11050249	11053247	11053767	11053641	11053671
600 x 150	11050571	11050251	11053250	11053770	11053644	11053674
800 x 150	11050572	-	11053274	11053783	11053645	11053675
1000 x 150	11050573	-	11053275	11053784	11053646	11053676

Wall-mounted range - clip fastening

**RANGE OF DIMENSIONS**

[11003411 GRIDLINED WALL](#)

[11003413 GRIDLINED WALL CORE](#)

[11003421 GRIDLINED EXHAUST](#)

[11003422 GRIDLINED EXHAUST CORE](#)

H/W	200	250	300	400	500	600	800	1000	1200	1400	1600	1800	2000
75	•	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•	•
150	•	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•	•
250	•	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•	•
800	•	•	•	•	•	•	•	•	•	•	•	•	•

[11003412 GRIDLINED WALL D](#)

[11003402 GRIDLINED FLOOR](#)

H/W	200	250	300	400	500	600	800	1000	1200	1400	1600	1800	2000
75	•	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•	•
150	•	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•	•
250	•	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•	•

• Supplied mounted on grille



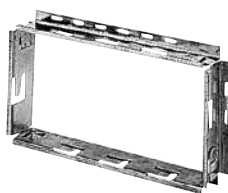
## RANGE WITH CHOICE OF OPTIONS

Code	Designation	Usage	Installation	Mounting	Finish	Linear	Damper*	Doors	Seal	Pool
11003411	GRIDLINED WALL	Air supply or exhaust outlet	Wall-mounted	Clips or clasps	Anodised aluminium or Paint finishes	Yes	Yes	1 door 2 doors	Yes	Yes
11003412	GRIDLINED WALL D Dual deflector	Air supply	Wall-mounted	Clips or clasps	Anodised aluminium or paint finish	Yes	Yes	1 door 2 doors	Yes	Yes
11003413	GRIDLINED WALL CORE Bare core	Air supply or exhaust outlet	Wall or perimeter-mounted	No fastenings	Anodised aluminium or paint finish	No	No	No	No	Yes
11003421	GRIDLINED EXHAUST	Air exhaust	Wall or ceiling-mounted	Clips or clasps	Anodised aluminium or paint finish	No	Yes	No	Yes	Yes
11003422	GRIDLINED EXHAUST CORE Bare core	Air exhaust	Ceiling (panels)	No fastenings	Anodised aluminium or paint finish	No	No	No	No	Yes
11003402	GRIDLINED FLOOR	Air supply or exhaust outlet	Floor	Sealing brackets	Anodised aluminium or paint finish	Yes	Yes	No	No	Yes
11003403	GRIDLINED FLOOR 90° ANGLE	Not active	Floor	Sealing brackets	Anodised aluminium or paint finish	No	No	No	No	Yes

### ACCESSORIES



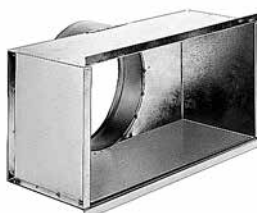
AGB damper



F4 mounting frame

### FIELD OF APPLICATION

- SGS and AGB: airflow control damper
- D500: dual deflector overlay. Suited to wall (or floor) mounted single-deflector grilles, this accessory delivers the "dual deflection" function with its adjustable fins
- F4: mounting frame to enable easy installation of steel or aluminium grilles using friction clips



Plenum



Plenum

## ACCESSORIES

Code	Designation	Usage	Installation	AGB damper	F4 mounting frame	F6 mounting frame	Plenum MEF3	Plenum MTF3	Plenum MEF5	Plenum MTF5
11003411	GRIDLINED WALL	Air supply or exhaust	Wall-mounted	11003201	11003001	11003421	11053701	11053703	11053702	11053704
11003412	GRIDLINED WALL D	Air supply	Wall-mounted	11003201	11003001	11003421	11053701	11053703	11053702	11053704
11003413	GRIDLINED WALL CORE	Air supply or exhaust	Wall-mounted or perimeter-mounted	-	-	-	-	-	-	-
11003421	GRIDLINED EXHAUST	Air exhaust	Wall-mounted or ceiling-mounted	11003201	11003001	11003421	11053701	11053703	11053702	11053704
11003422	GRIDLINED EXHAUST CORE	Air exhaust	Ceiling (panels)	-	-	-	-	-	-	-
11003402	GRIDLINED FLOOR	Air supply or exhaust	Floor	11003201	-	-	-	-	-	-
11003403	GRIDLINED FLOOR	Not active	Floor	-	-	-	-	-	-	-

## GRIDLINED WALL AND WALL D - GRIDLINED FLOOR

## SELECTION - AIR SUPPLY WITH CEILING EFFECT - LENGTH 1 METRE

Ak (m²)	Height (mm)	Airflow (m³/h)	300	400	500	600	800	1000	1500	2000	2500	3000	3500	4000
0.036	75	Lp dB(A)	15	25	32	38								
		ΔP (Pa)	4.6	9.4	16.4	25.9								
		Lt (m)	5	6.7	8.4	10.1								
0.056	100	Lp dB(A)			18	24	33	40						
		ΔP (Pa)			2.9	4.6	9.4	16.4						
		Lt (m)			6.7	8.1	10.7	13.4						
0.084	150	Lp dB(A)					19	25	37					
		ΔP (Pa)					3.4	5.9	16.4					
		Lt (m)					8.8	11	16.4					
0.123	200	Lp dB(A)						12	22	30	35	40		
		ΔP (Pa)						1.6	4.3	8.8	15.4	24.3		
		Lt (m)						9.1	13.6	18.1	22.7	27.2		
0.158	250	Lp dB(A)							12	19	25	29	33	36
		ΔP (Pa)							2.1	4.2	7.4	11.6	17.1	23.9
		Lt (m)							12	16	20	24	28	32
0.195	300	Lp dB(A)							4	11	16	20	24	27
		ΔP (Pa)							1.1	2.2	3.9	6.1	9	12.6
		Lt (m)							10.8	14.4	18	21.6	25.2	28.8
0.232	350	Lp dB(A)								4	9	13	16	19
		ΔP (Pa)								1.3	2.3	3.7	5.4	7.5
		Lt (m)								13.2	16.5	19.8	23.1	26.4
0.27	400	Lp dB(A)								0	3	6	10	12
		ΔP (Pa)								0.8	1.5	2.3	3.4	4.8
		Lt (m)								12.2	15.3	18.4	21.4	24.5
0.315	500	Lp dB(A)									0	0	3	6
		ΔP (Pa)									1.3	2.1	3.1	4.3
		Lt (m)									14.2	17	19.8	22.7
0.387	600	Lp dB(A)										0	0	0
		ΔP (Pa)										1.1	1.7	2.3
		Lt (m)										15.3	17.9	20.4
0.536	800	Lp dB(A)												0
		ΔP (Pa)												0.9
		Lt (m)												17.4

The Lp values in dB(A) take into account an attenuation of 8 dB(A) due to the room. Vt = 0.37 m/s. Tests conducted with a "perfect" plenum in compliance with standard EN 12238.

Vk (m/s) = [airflow (m³/h) / 3600] / Ak (m²)   Heights not available in Gridlined Floor version

## CORRECTIONS FOR OTHER VT

Vt (m/s)	0.25	0.375	0.5	0.625
Lt (A)	x 1.5	x 1	x 0.75	x 0.6
Lt (B)	x 1.05	x 0.7	x 0.53	x 0.42

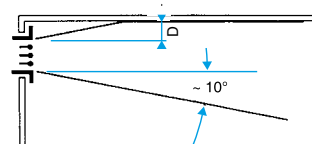
## CORRECTIONS FOR DEFLECTION (TYPE D)

Fin angle	Lt	Ak	ΔP	Lw
22°	x 0.70	x 0.96	x 1.40	+ 3
45°	x 0.55	x 0.8	x 1.80	+ 6

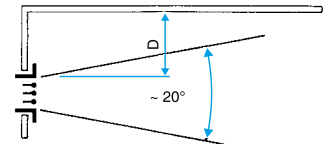
## KOCT CORRECTIONS (DB) BY OCTAVE THIRD

Frequency (Hz)	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000
K oct (dB)	6	5	5	4	5	5	4	2	0	-2	-5	-8	-13	-16	-19	-20	-20	-19	-20	-18	-17

Add K oct to the table value to obtain the sound power level in dB.



A) Air supply with ceiling effect where D is less than or equal to 30 cm.



B) Air supply without ceiling effect where D is greater than 30 cm.

## CORRECTIONS FOR DAMPER

Damper 100% open	Damper 50 % open	Damper 25 % open
ΔP + 0	ΔP + 0.95 x Vk²	ΔP + 3.28 x Vk²
Lw + 0	Lw + 10	Lw + 20

## GRIDLINED WALL AND WALL D - GRIDLINED FLOOR

### SELECTION - EXHAUST - LENGTH 1 METRE

Ak (m²)	Height (mm)	Airflow (m³/h)	300	400	500	600	800	1000	1500	2000	2500	3000	3500	4000
0.034	75	Lp dB(A)	27	34	40									
		ΔP (Pa)	5.1	9.9	16.5									
0.052	100	Lp dB(A)		21	27	32								
		ΔP (Pa)		3.1	5.1	7.8								
0.079	150	Lp dB(A)		8	15	20	29	35						
		ΔP (Pa)		1.2	1.9	2.9	5.7	9.5						
0.121	200	Lp dB(A)		0	2	8	17	24	38					
		ΔP (Pa)		0.4	0.6	0.9	1.8	2.9	7.5					
0.157	250	Lp dB(A)			0	0	10	17	31					
		ΔP (Pa)			0.3	0.5	0.9	1.5	3.9					
0.195	300	Lp dB(A)				0	4	12	26	36				
		ΔP (Pa)				0.3	0.5	0.9	2.3	4.4				
0.232	350	Lp dB(A)				0	0	7	22	32	40			
		ΔP (Pa)				0.2	0.3	0.6	1.5	2.9	4.8			
0.27	400	Lp dB(A)					0	3	18	29	37			
		ΔP (Pa)					0.2	0.4	1	2	3.3			
0.32	500	Lp dB(A)						0	14	25	34	41		
		ΔP (Pa)						0.3	0.7	1.4	2.4	3.6		
0.396	600	Lp dB(A)							9	20	29	36	43	
		ΔP (Pa)							0.4	0.8	1.4	2.1	3	
0.553	800	Lp dB(A)							1	13	22	30	36	42
		ΔP (Pa)							0.2	0.4	0.6	0.9	1.3	1.8

The Lp values in dB(A) take into account an attenuation of 8 dB(A) due to the room. Tests conducted with a "perfect" plenum in compliance with standard EN 12238.

$V_k \text{ (m/s)} = [\text{airflow (m}^3/\text{h)} / 3600] / A_k \text{ (m}^2)$    Height not available with Gridlined Floor

### CORRECTIONS FOR DAMPER

Damper 100% open	Damper 50 % open	Damper 25 % open
ΔP + 0	ΔP + 0.95 x $V_k^2$	ΔP + 3.28 x $V_k^2$
Lw + 0	Lw + 10	Lw + 20

### KOCT CORRECTIONS (DB) BY OCTAVE THIRD

Frequency (Hz)	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000
K oct (dB)	1	-1	0	1	-1	0	3	-2	-2	-3	-7	-8	-12	-14	-16	-18	-19	-20	-22	-23	-22

Add K oct to the table value to obtain the sound power level in dB.

## GRIDLINED EXHAUST

## SELECTION - EXHAUST - LENGTH 1 METRE

Ak (m²)	Height (mm)	Airflow (m³/h)	100	150	200	300	400	500	600	800	1000	1500	2000	2500
0.036	75	Lp dB(A)	7	18	26	37								
		ΔP (Pa)	6	11.5	18.2	34.7								
0.048	100	Lp dB(A)	1	12	20	31	39							
		ΔP (Pa)	3.8	7.2	11.5	21.9	34.7							
0.074	150	Lp dB(A)	-8	3	11	22	29	35	40					
		ΔP (Pa)	1.9	3.6	5.7	10.8	17.1	24.5	32.8					
0.101	200	Lp dB(A)	-8	-3	4	15	22	28	33	41				
		ΔP (Pa)	1.1	2.1	3.4	6.5	10.3	14.7	19.7	31.2				
0.127	250	Lp dB(A)	-8	-8	0	10	18	23	28	36	41			
		ΔP (Pa)	0.8	1.5	2.3	4.5	7.1	10.2	13.6	21.6	30.8			
0.155	300	Lp dB(A)		-8	-5	6	13	19	24	31	37			
		ΔP (Pa)		1.1	1.7	3.2	5.1	7.3	9.8	15.6	22.2			
0.182	350	Lp dB(A)		-8	-8	2	10	15	20	27	33			
		ΔP (Pa)		0.8	1.3	2.5	4	5.7	7.6	12	17.1			
0.21	400	Lp dB(A)			-8	-1	7	12	17	24	30	40		
		ΔP (Pa)			1	2	3.1	4.5	6	9.5	13.6	25.9		
0.266	500	Lp dB(A)				-6	2	7	12	19	25	35	42	
		ΔP (Pa)				1.3	2.1	3	4.1	6.5	9.2	17.7	28	
0.306	570	Lp dB(A)					-1	4	9	16	21	32	39	44
		ΔP (Pa)					1.7	2.4	3.2	5.1	7.3	14	22.3	31.8
0.323	600	Lp dB(A)					-3	3	7	15	20	30	38	43
		ΔP (Pa)					1.6	2.2	3	4.7	6.7	12.9	20.4	29.1
0.438	800	Lp dB(A)						-4	1	8	13	23	30	36
		ΔP (Pa)						1.4	1.8	2.9	4.1	7.8	12.4	17.7

The Lp values in dB(A) take into account an attenuation of 8 dB(A) due to the room. Tests conducted with a "perfect" plenum in compliance with standard EN 12238.

$V_k \text{ (m/s)} = [\text{airflow (m}^3/\text{h)} / 3600] / A_k \text{ (m}^2\text{)}$

## CORRECTIONS FOR DAMPER

Damper 100% open	Damper 50 % open	Damper 25 % open
ΔP + 0	ΔP + 0.95 x $V_k^2$	ΔP + 3.28 x $V_k^2$
Lw + 0	Lw + 10	Lw + 20

## KOCT CORRECTIONS (DB) BY OCTAVE THIRD

Frequency (Hz)	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000
K oct (dB)	-5	-6	-6	-3	-2	-2	0	1	2	0	-2	-3	-5	-7	-8	-10	-12	-13	-17	-21	-23

Add K oct to the table value to obtain the sound power level in dB.

## ASSEMBLY

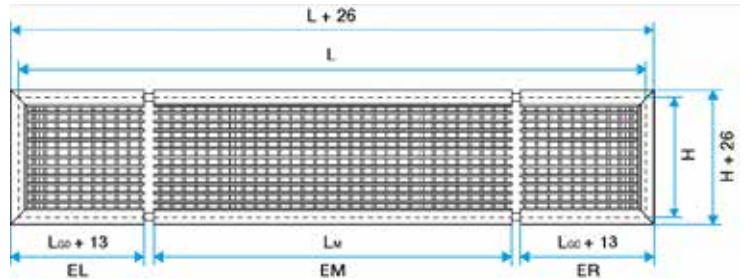
### LINEAR BANDS GRIDLINED WALL AND FLOOR

- Possible to create linear bands (alignment tools supplied) with continuous decoration
- Beyond 2,000 mm, the grille contains median elements (EM) 2,000 mm long with two end pieces of equal length, always between 1,000 and 2,000 mm

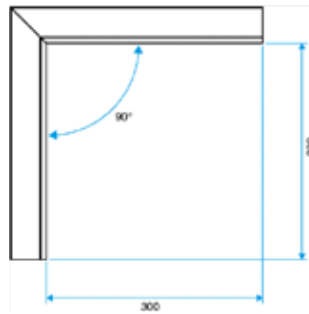
### GRIDLINED FLOOR ANGLE PIECES

- With Floor grilles it is possible to add angle pieces to form continuous arrangements
- Angle pieces connect to EM median elements
- An angle piece is always 300 x 300 mm based on the diagram opposite: to adapt precisely to the dimensions of the room simply choose the right length for an EM median element
- The angle piece must not be connected to the air ductwork. Its function is purely aesthetic

## DIMENSIONS



Full linear band



90° angle piece

## INSTALLATION INSTRUCTIONS

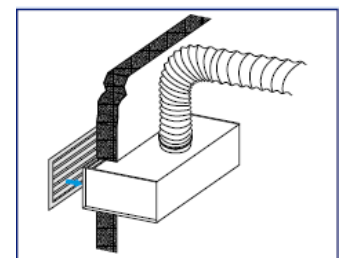
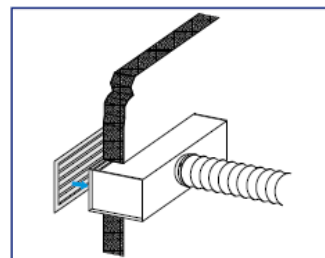
### F3 FASTENING

- Fastened using clips in a plenum or a sealed mounting frame
- Aldes plenums and mounting frames are adapted to the clips to ensure perfect attachment
- This fastening method is not recommended for ceiling mounting arrangements

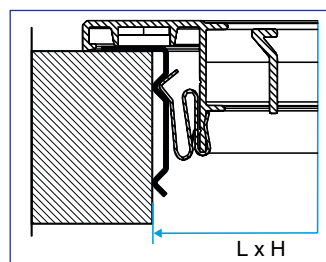
### F5 FASTENING

- Invisible clasp fastening
- Suitable for F6 mounting frame and MT F5 and ME F5 plenums
- Recommended for ceiling mounting and for easy grille removal

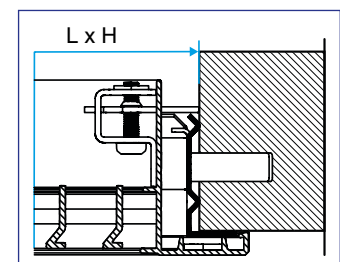
## INSTALLATION



Seal or fasten the rear plenum connection (MT) or side connection (ME) or the mounting frame in the recess L x H.



F3 fastening



F5 fastening

\* For certain dimensions of the Exhaust version, the fin is drilled to access the screw. You can use the sticker provided to hide the hole after assembly.

## SPECIFICATION TEXT

## GRIDLINED WALL

Wall-mounted air supply and exhaust grilles with fins fixed at a 15° upward angle to generate the ceiling effect (Coanda effect).  
 Row of vertical movable fins behind to adjust the range and width of the air jet (type D).  
 Discreet 23 mm-wide mounting frame.  
 Pivoting access gates for use as ventilation-convection grille (optional).  
 Built-in damper with adjustment screw (optional).  
 Airtight seal on frame (optional).  
 Clip or clasp fastening to the connection plenum or mounting frame.  
 Simple assembly of several elements on site to create decorative linear bands.  
 Made of anodised aluminium with a natural hue or any RAL colour specified by the architect.  
 The grilles are also available in a "haute couture" finish (wood, marble, chrome-plated, etc.) to perfectly match the ambiance of any room.

GRIDLINES WALL grilles by Aldes or equivalent.

## GRIDLINED FLOOR

Floor-mounted air supply and exhaust grilles with fins fixed at a 15° upward angle to generate the wall effect (Coanda effect).  
 Discreet 5 mm-wide mounting frame.  
 150 kg load resistance in centre of grill.  
 Removable central core, with or without tools depending on selected version.  
 Built-in sealing brackets for sinking in concrete slab.  
 Simple assembly of several elements on site to create decorative linear bands.  
 Built-in damper with adjustment screw (optional).  
 Made of anodised aluminium with a natural hue or any RAL colour specified by the architect.  
 The grilles are also available in a "haute couture" finish (wood, marble, chrome-plated, etc.) to perfectly match the ambiance of any room.

GRIDLINES FLOOR grilles by Aldes or equivalent.

## GRIDLINED EXHAUST

Exhaust grilles with fins fixed at a 45° incline to ensure confidentiality on wall or on ceiling.  
 Discreet 23 mm-wide mounting frame.  
 Built-in damper with adjustment screw (optional).  
 Airtight seal on frame (optional).  
 Clip or clasp fastening to the connection plenum or mounting frame.  
 Made of anodised aluminium with a natural hue or any RAL colour specified by the architect.  
 The grilles are also available in a "haute couture" finish (wood, marble, chrome-plated, etc.) to perfectly match the ambiance of any room.

GRIDLINES EXHAUST grilles by Aldes or equivalent.



Gridlined Wall



Gridlined Exhaust



Gridlined Floor





For more information on the ventilation component range,  
contact your Aldes sales advisor or visit [aldes.com](http://aldes.com)

or visit

