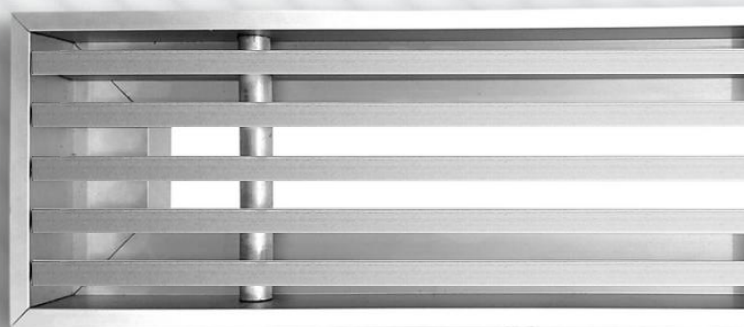




Serie
S



LINEAR FLOOR GRILLE



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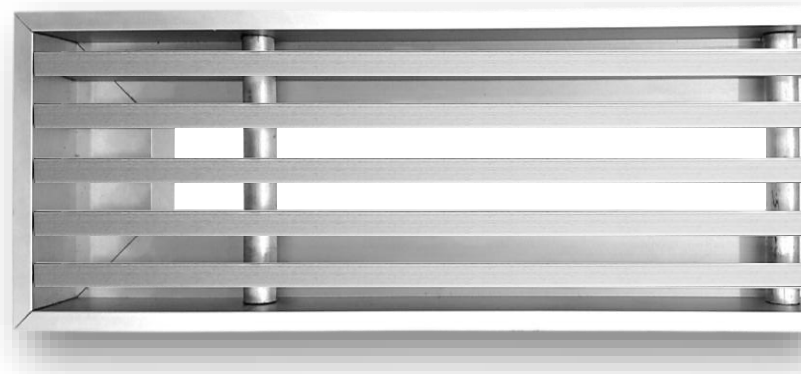


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LINEAR FLOOR GRILLE SERIE S



MODELS



0° blades
inclination

S100

Linear floor grille, 0° blades inclination.

S100C

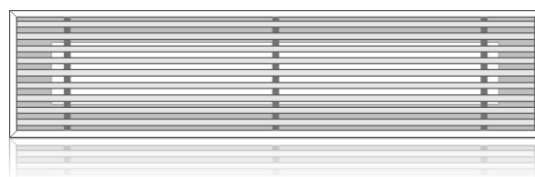
Linear floor grille, 0° blades inclination
with flow regulation (damper).

S1015

Linear floor grille, 15° blades inclination.

S1015C

Linear floor grille, 15° blades inclination
with flow regulation (damper).

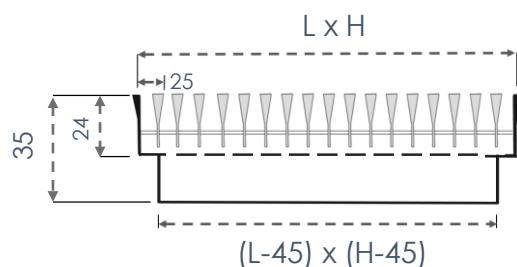


15° blades
inclination

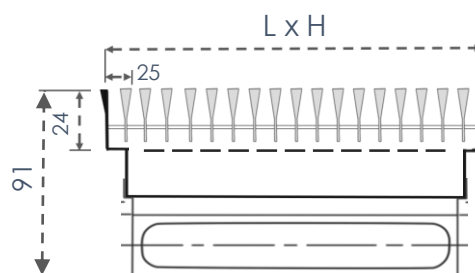
LINEAR FLOOR GRILLE SERIE S

DIMENSIONS

S100 - S1015



S100C – S1015C



L X H → Nominal Dimension = Total External Dimension

Dimensions L x H can be supplied in a maximum of 2,000 x 500 mm in a single module (including mounting frame).

ACCESSORIES

On request, the models without flow regulation (control damper) can be fitted with **anti-insect** or **anti-bird** netting and/or **filter and filter-holder** devices.

The control damper is manufactured in two models depending on the type of drive:

- **PINION ADJUSTMENT.** Requires a screwdriver to open or close it.
- **PLENUM BOX** (see technical data sheet **PLENUM SERIES**).

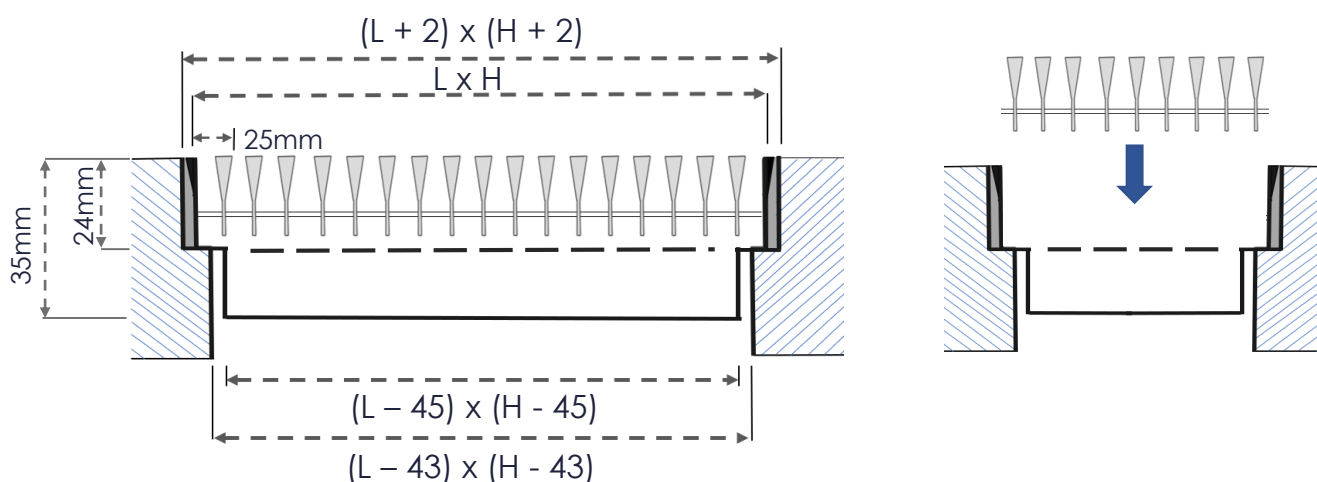
FINISHES

- Grille made in **ANODIZED ALUMINIUM**.
- Grille made in **WHITE LACQUERED** (RAL 9016) aluminum.
- On request, it can be made in lacquered aluminum according to the **RAL COLOR CHART**.

FIXING SYSTEM

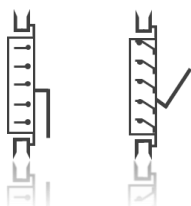
GRILLE INSTALLATION

The perimeter frame to the floor or slab will be received and the grille will be placed in the frame, and the grille will be installed by gravity.



FLOW MEASUREMENT

$$\text{m}^3/\text{h} = \text{m/s} \times \text{m}^2 \times 3.600$$

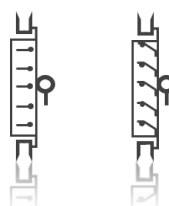


By Pitot tube:

Measurements must be taken at several points on the grille, the arithmetic measurement of all of them allows us to determine the effective suction velocity.

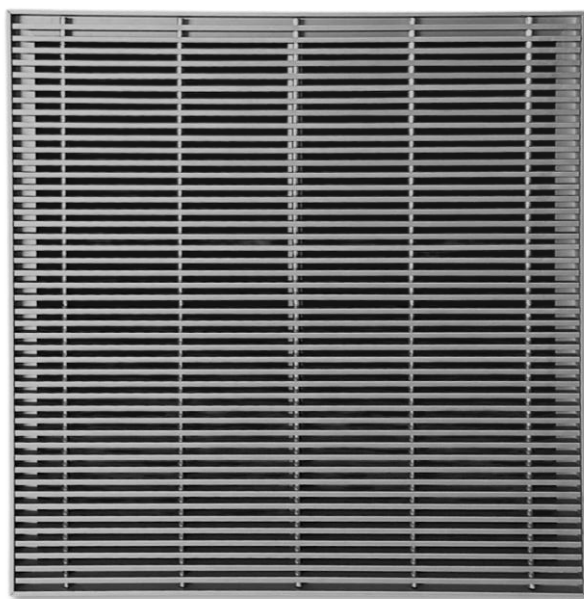
By anemometer:

The entire surface of the grille must be traversed with it to obtain the suction velocity.

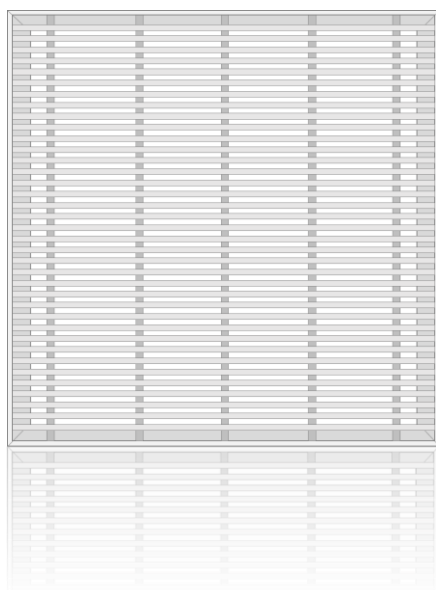


$$\text{m}^3/\text{h} = \text{m/s} \times \text{m}^2 \times 3.600$$

REJILLA LINEAL PARA SUELO SERIE S



MODELS (for raised floors)



S1015 595x595

Linear grille for walkable raised floors with 15° blades inclination.

S1015C 595x595

Linear grille for walkable raised floors with 15° blades inclination and flow regulation (damper).



15° blades
inclination

S100 595x595

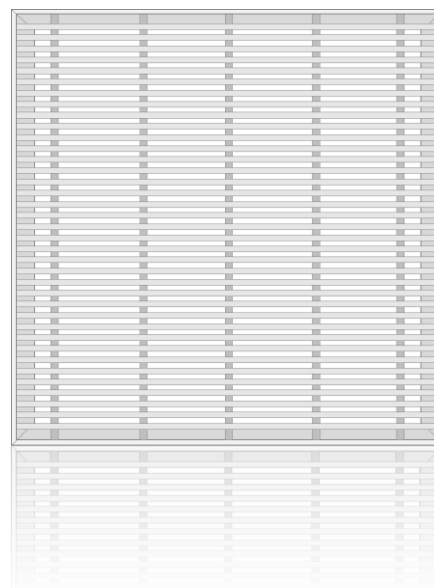
Linear grille for walkable raised floors with 0° blades inclination.

S100C 595x595

Linear grille for walkable raised floors with 0° blades inclination and flow regulation (damper).



0° blades
inclination



REJILLA LINEAL PARA SUELO SERIE S

DESCRIPCIÓN

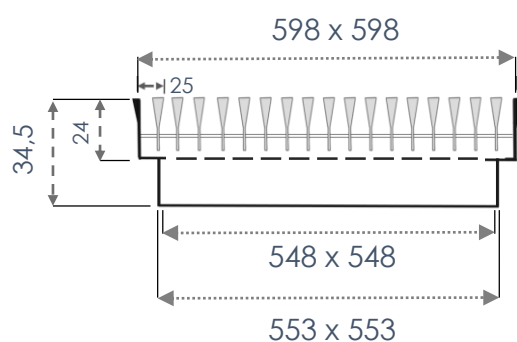
Las rejillas lineales para suelo técnico están especialmente diseñadas para su instalación en salas con este tipo de suelo. Son válidas para climatización y ventilación. Este tipo de rejilla es la más adecuada para la ventilación de equipos en las salas CPD.

CARACTERÍSTICAS

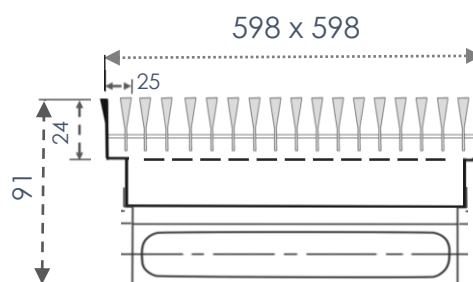
Bastidor de aluminio y núcleo formado por lamas de aluminio anodizado, unidas entre sí mediante tubo de aluminio reforzado en su interior con varilla roscada de acero cincado de métrica M6.

DIMENSIONES (para suelo técnico)

S100 - S1015



S100C - S1015C



L X H → Nominal Dimension = Total External Dimension

Only dimensions of 595 x 595 mm (L x H) may be provided.

LINEAR FLOOR GRILLE SERIE S

EFFECTIVE SECTION (m²)

MOD. S: 100-1015-100C-1015C

L H	200	250	300	350	400	450	500	600	700	800	900	1.000
75	0,002626	0,003606	0,004430	0,005410	0,006233	0,007213	0,008036	0,009839	0,011799	0,013602	0,015406	0,017366
100	0,004529	0,006219	0,007639	0,009329	0,010748	0,012438	0,013858	0,016968	0,020348	0,023457	0,026567	0,029947
125	0,006432	0,008832	0,010848	0,013248	0,015264	0,017664	0,019680	0,024096	0,028896	0,033312	0,037728	0,042528
150	0,008335	0,011445	0,014057	0,017167	0,019780	0,022890	0,025502	0,031224	0,037444	0,043167	0,048889	0,055109
200	0,012140	0,016670	0,020476	0,025006	0,028811	0,033341	0,037146	0,045481	0,054541	0,062876	0,071212	0,080272
250	0,015946	0,021896	0,026894	0,032844	0,037842	0,043792	0,048790	0,059738	0,071638	0,082586	0,093534	0,105434
300	0,019752	0,027122	0,033312	0,040682	0,046873	0,054243	0,060434	0,073995	0,088735	0,102296	0,115856	0,130596

CORRECTION COEFFICIENTS TO BE APPLIED IN SELECTION TABLE

LENGTH CORRECTION COEFFICIENTS FOR LINEAR GRILLES

MOD. S: 100 - 1015

Length	250	500	750	1.000	1.250	1.500	1.750	2.000	2.500	3.000	4.000	5.000
ALC=ALC (Table) x Coef.	0,5	0,7	0,9	1,0	1,1	1,2	1,3	1,4	1,6	1,7	2	2,2
NS=NS (Table) + Coef.	-4	-2	-1	0	0	1	1	2	2	3	4	5

CORRECTION COEFFICIENTS FOR LINEAR GRILLES

MOD. S: 100C - 1015C

	Pressure drop correction Ps = Ps (Table) x Coef. Correction	Sound level correction NS = NS (Table) x Coef. Correction
A Regulator Open	1,14	2
O Regulator Open	1,14	2

QUICK SELECTION TABLE

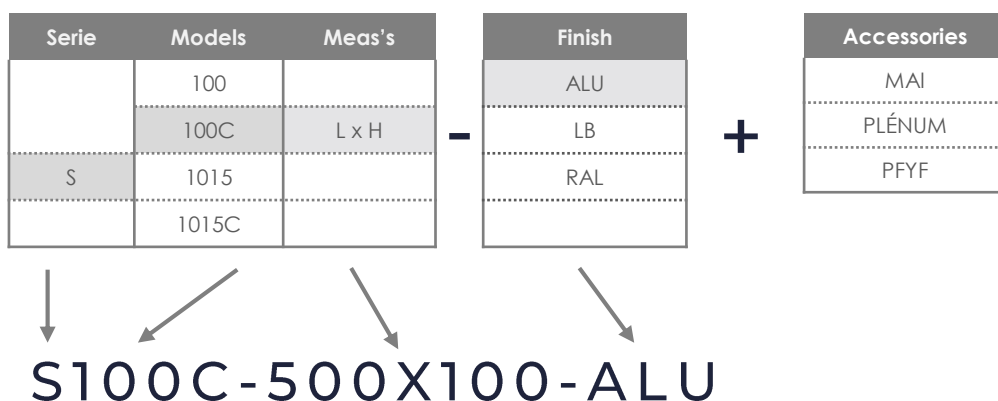
NOMINAL GRILLE WIDTH mm													
FLOW PER LINEAR METER [m³/h]/m		75		100		150		200		250		300	
		IMP	RET	IMP	RET	IMP	RET	IMP	RET	IMP	RET	IMP	RET
250	Minimum Range m	1,2		0,9		0,7							
	Maximum Range m	3,0		2,3		1,7							
	Static pressure mmca	1,15	2,00	0,40	0,70	0,10	0,20						
	Sound level dB NC	21	27		16								
300	Minimum Range m	1,5		1,1		0,8		0,7					
	Maximum Range m	3,6		2,8		2,1		1,7					
	Static pressure mmca	1,70	2,85	0,60	1,05	0,20	0,30	0,05	0,15				
	Sound level dB NC	25	31	14	20								
350	Minimum Range m	1,7		1,3		1,0		0,8					
	Maximum Range m	4,2		3,2		2,4		2,0					
	Static pressure mmca	2,30	3,90	0,85	1,45	0,25	0,45	0,10	0,20				
	Sound level dB NC	29	35	18	24		11						
400	Minimum Range m	2,0		1,5		1,1		0,9		0,8			
	Maximum Range m	4,8		3,7		2,8		2,3		2,0			
	Static pressure mmca	3,05	5,10	1,10	1,90	0,35	0,60	0,15	0,25	0,10	0,15		
	Sound level dB NC	32	38	21	27		14						
450	Minimum Range m	2,2		1,7		1,3		1,0		0,9			
	Maximum Range m	5,4		4,2		3,1		2,6		2,3			
	Static pressure mmca	3,85	6,50	1,40	2,40	0,45	0,75	0,20	0,35	0,10	0,20		
	Sound level dB NC	35	40	23	29	11	17						
500	Minimum Range m	2,5		1,9		1,4		1,2		1,0		0,9	
	Maximum Range m	6,0		4,6		3,5		2,9		2,5		2,3	
	Static pressure mmca	4,75	8,00	1,75	2,95	0,55	0,90	0,25	0,45	0,15	0,25	0,10	0,15
	Sound level dB NC	37	43	26	32	13	19		11				
600	Minimum Range m			2,3		1,7		1,4		1,2		1,1	
	Maximum Range m			5,6		4,2		3,5		3,0		2,7	
	Static pressure mmca			2,50	4,30	0,80	1,35	0,35	0,65	0,20	0,35	0,10	0,25
	Sound level dB NC			30	36	17	23		15				
700	Minimum Range m			2,7		2,0		1,7		1,4		1,3	
	Maximum Range m			6,5		4,9		4,1		3,5		3,2	
	Static pressure mmca			3,45	5,85	1,05	1,80	0,50	0,85	0,30	0,50	0,20	0,30
	Sound level dB NC			34	39	20	26		18		12		
800	Minimum Range m			3,1		2,3		1,9		1,7		1,5	
	Maximum Range m			7,5		5,6		4,6		4,1		3,6	
	Static pressure mmca			4,50	7,60	1,40	2,40	0,65	1,15	0,40	0,65	0,25	0,40
	Sound level dB NC			37	42	24	30	15	21		15		
900	Minimum Range m					2,6		2,1		1,9		1,7	
	Maximum Range m					6,3		5,2		4,6		4,1	
	Static pressure mmca					1,80	3,00	0,85	1,45	0,50	0,85	0,30	0,55
	Sound level dB NC					26	32	18	24	12	18		13
1.000	Minimum Range m					2,9		2,4		2,1		1,9	
	Maximum Range m					7,0		5,8		5,1		4,6	
	Static pressure mmca					2,20	3,75	1,05	1,80	0,60	1,05	0,40	0,70
	Sound level dB NC					29	35	20	26	14	20		16
1.100	Minimum Range m					3,2		2,6		2,3		2,1	
	Maximum Range m					7,7		6,4		5,6		5,0	
	Static pressure mmca					2,65	4,55	1,30	2,20	0,75	1,25	0,50	0,80
	Sound level dB NC					31	37	23	29	17	22	12	17
1.200	Minimum Range m					3,5		2,9		2,5		2,3	
	Maximum Range m					8,4		7,0		6,1		5,5	
	Static pressure mmca					3,20	5,40	1,55	2,60	0,9	1,50	0,55	1,00
	Sound level dB NC					33	39	25	31	19	24	13	20
1.300	Minimum Range m					3,8		3,1		2,7		2,5	
	Maximum Range m					9,1		7,6		6,6		6,0	
	Static pressure mmca					3,75	6,35	1,80	3,05	1,05	1,80	0,70	1,15
	Sound level dB NC					35	40	27	32	21	27	16	22
1.400	Minimum Range m					4,1		3,4		2,9		2,6	
	Maximum Range m					9,8		8,2		7,1		6,4	
	Static pressure mmca					4,35	7,35	2,10	3,55	1,20	2,05	0,80	1,35
	Sound level dB NC					36	42	28	34	22	28	18	23
1.500	Minimum Range m					4,3		3,6		3,2		2,8	
	Maximum Range m					10,5		8,7		7,7		6,9	
	Static pressure mmca					5,00	8,45	2,40	4,05	1,40	2,40	0,90	1,55
	Sound level dB NC					38	44	30	36	24	30	19	25
1.750	Minimum Range m					4,2		3,7		3,2		3,3	
	Maximum Range m					10,2		8,9		7,9		8,0	
	Static pressure mmca					3,30	5,55	1,90	3,25	1,25	2,10	0,90	1,55
	Sound level dB NC					33	39	27	33	23	28	19	25
2.000	Minimum Range m					4,8		4,2		3,8		3,8	
	Maximum Range m					11,7		10,2		9,2		8,2	
	Static pressure mmca					4,30	7,25	2,50	4,25	1,65	2,60	1,00	1,75
	Sound level dB NC					36	42	30	36	26	32	20	26
2.250	Minimum Range m							4,8		4,3		4,3	
	Maximum Range m							11,5		10,3		9,3	
	Static pressure mmca							3,20	5,40	2,10	3,55	1,35	2,25
	Sound level dB NC							33	39	28	34	23	30
2.500	Minimum Range m							5,3		4,8		4,8	
	Maximum Range m							12,8		11,5		10,3	
	Static pressure mmca							3,95	6,65	2,60	4,35	1,65	2,60
	Sound level dB NC							35	41	31	36	25	32

QUICK SELECTION TABLE (for raised floors)

FLOW PER LINEAR METER [m³/h]/m	DESCRIPTION	600 x 600
		A = 0.180 m²
1.250	Speed m/s	1,9
	Range m	6,9
	Static pressure mmca	0,2
	Sound level dB NC	15
1.500	Speed m/s	2,3
	Range m	8,6
	Static pressure mmca	0,3
	Sound level dB NC	19
1.750	Speed m/s	2,7
	Range m	10,6
	Static pressure mmca	0,4
	Sound level dB NC	21
2.000	Speed m/s	3,1
	Range m	10,1
	Static pressure mmca	0,7
	Sound level dB NC	27
2.500	Speed m/s	3,9
	Range m	13,6
	Static pressure mmca	1,2
	Sound level dB NC	30
3.000	Speed m/s	4,6
	Range m	17,3
	Static pressure mmca	1,8
	Sound level dB NC	35

LINEAR FLOOR GRILLE SERIE S

GRAPHIC DESCRIPTION



SERIE

- S: Linear floor grille.

MODEL

- S100C: Linear floor grille, 0° blades inclination with flow regulation (damper).

MEASUREMENTS (mm)

- LxH: 500 x 100 mm.

FINISH

- Alu: Anodized aluminium.

Order example: S100C 500x100 ALU

- To order Linear floor grille, 0° blades inclination, 500x100 mm with flow regulation (damper), made of anodized aluminium, you should request:

Order	Description
1 Grille S100C 500x100 - Anodized aluminium	Linear floor grille, 0° blades inclination, 500x100 mm with flow regulation, made of anodized aluminium.
1 Net MAI 500x100	Anti-insects netting: 500x100 mm.

Order example: S1015 500x100 LB + MAP

- To order Linear floor grille, 15° blades inclination, 500x100 mm, white lacquered with anti-birds netting, debería solicitar:

Order	Description
1 Grille S1015 500x100 - White lacquered	Linear floor grille, 15° blades inclination, 500x100 mm, white lacquered.
1 Net MAP 500x100	Anti-birds netting: 500x100 mm.

Note:

- In the case of grilles with flow regulation, they may not be fitted with MAI, MAP or PFYP.



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