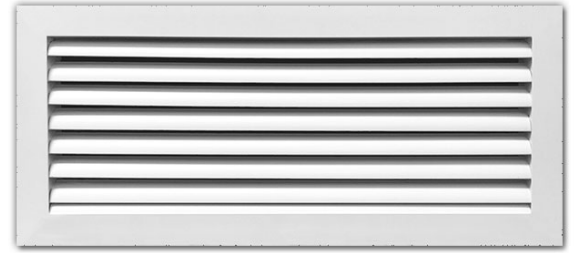


EXHAUST GRILLE SD-LT



Description

- Aluminium grille for air exhaust/ recirculation with fixed blades at 45 degrees.

Application

- Exhaust/recirculation of the air.

Characteristics

- The grille is provided with fixed blades parallel with "L" (length) and countersinking holes for mounting (standard).
- Designed specifically for integration into the paneled ceiling size 600 x 600 mm, 595 x 595 mm external size is executed without mounting holes.
- The air flow can be adjust by mounting an air control damper on the diffuser inlet.
- Optional, on neck of the grille, can be mounted an air filter.

Accessories

- FILR air filter or FILLR washable air filter.
- OBD air control damper with opposable blades.
- Insulated/Non-insulated adaptor ADP IZ/N.

Materials and finishing

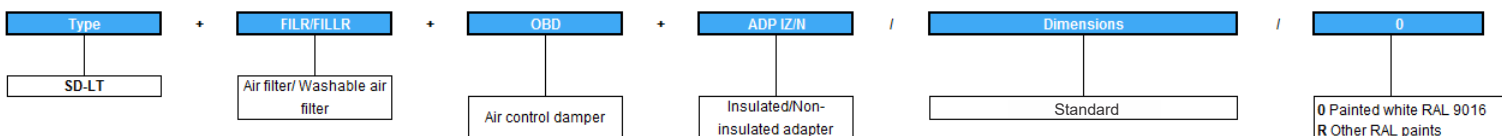
- Aluminum material, electrostatic field painted white RAL 9016.
- Other RAL colors available on request



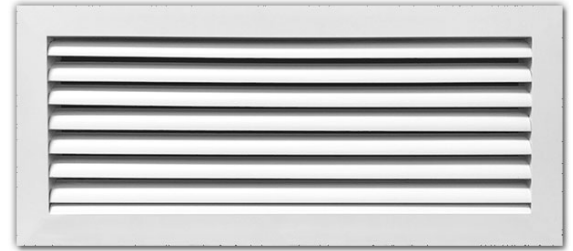
Mounting

- With screws.

Order code



EXHAUST GRILLE SD-LT



Selection Table

Air flow (m³/h)	L x H Ak [m²]	200 x 100	300 x 150	400 x 200	300 x 300	500 x 300	600 x 300	800 x 300	600 x 600	1000 x 600
		0.0076	0.0189	0.0345	0.0416	0.0721	0.0915	0.1173	0.1759	0.2934
60	Veff[m/s]	2.2								
	ΔPt [pa]	5.0								
	NR [dB(A)]	22.0								
80	Veff[m/s]	2.9								
	ΔPt [pa]	9.0								
	NR [dB(A)]	29.0								
100	Veff[m/s]	3.7								
	ΔPt [pa]	14.0								
	NR [dB(A)]	35.0								
140	Veff[m/s]	5.1	2.1							
	ΔPt [pa]	27.0	2.0							
	NR [dB(A)]	44.0	16.0							
180	Veff[m/s]	6.6	2.6							
	ΔPt [pa]	45.0	3.0							
	NR [dB(A)]	51.0	22.0							
200	Veff[m/s]	7.3	2.9	1.6						
	ΔPt [pa]	56.0	4.0	3.0						
	NR [dB(A)]	53.0	25.0	22.0						
300	Veff[m/s]		4.4	2.4	2.0					
	ΔPt [pa]		9.0	6.0	2.0					
	NR [dB(A)]		36.0	32.0	22.0					
400	Veff[m/s]		5.9	3.2	2.7					
	ΔPt [pa]		16.0	12.0	4.0					
	NR [dB(A)]		43.0	40.0	30.0					
500	Veff[m/s]		7.3	4.0	3.3	1.9				
	ΔPt [pa]		25.0	18.0	7.0	2.0				
	NR [dB(A)]		49.0	46.0	36.0	24.0				
600	Veff[m/s]				4.0	2.3	1.8	1.4		
	ΔPt [pa]				11.0	3.0	2.0	1.0		
	NR [dB(A)]				41.0	29.0	24.0	18.0		
800	Veff[m/s]				5.3	3.1	2.4	1.9		
	ΔPt [pa]				19.0	6.0	4.0	2.0		
	NR [dB(A)]				48.0	36.0	32.0	26.0		
1000	Veff[m/s]				6.7	3.9	3.0	2.4	1.6	
	ΔPt [pa]				30.0	10.0	6.0	4.0	1.0	
	NR [dB(A)]				54.0	42.0	38.0	32.0	21.0	
1400	Veff[m/s]					5.4	4.3	3.3	2.2	
	ΔPt [pa]					20.0	13.0	7.0	2.0	
	NR [dB(A)]					51.0	46.0	40.0	29.0	
1800	Veff[m/s]						5.5	4.3	2.8	
	ΔPt [pa]						22.0	12.0	4.0	
	NR [dB(A)]						53.0	47.0	36.0	
2000	Veff[m/s]							4.7	3.2	
	ΔPt [pa]							15.0	5.0	
	NR [dB(A)]							50.0	39.0	
3000	Veff[m/s]								4.7	2.8
	ΔPt [pa]								13.0	1.0
	NR [dB(A)]								49.0	22.0
4000	Veff[m/s]									3.8
	ΔPt [pa]									1.0
	NR [dB(A)]									30.0

"n" - NR < 25

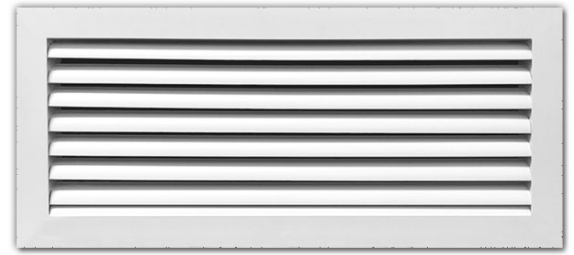
"n" - 25 ≤ NR ≤ 35

"n" - NR > 35

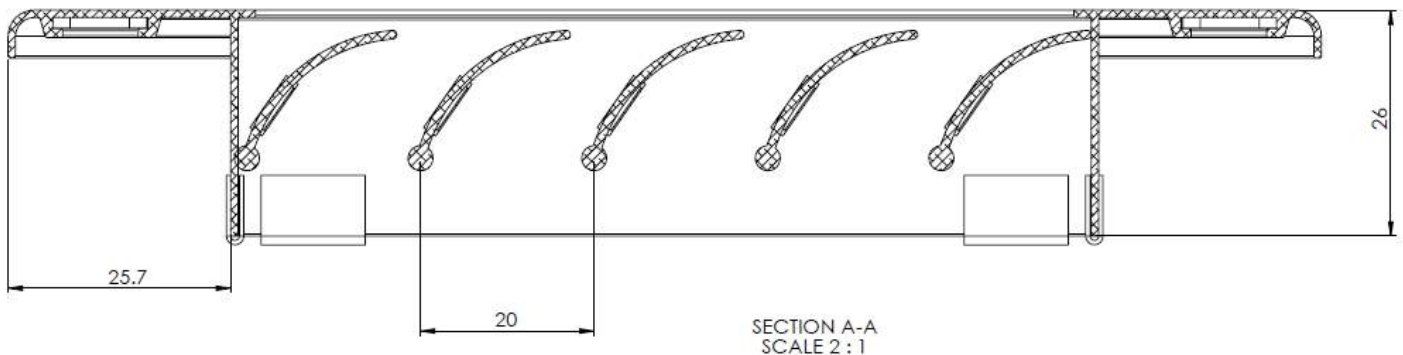
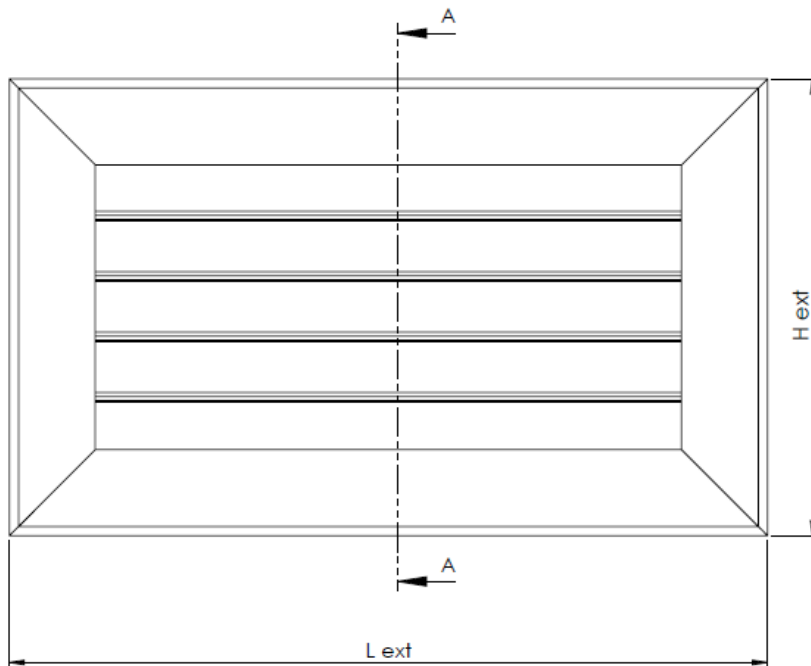
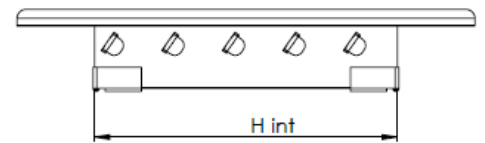
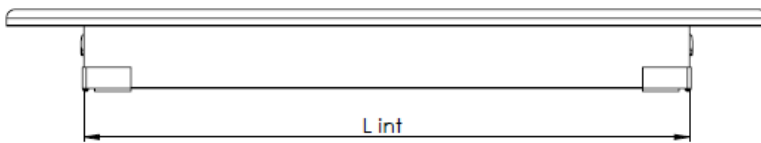
Annotation

- *Ak [m²] - Free surface
- *Veff[m/s] - Air velocity inside the grille
- *ΔPt [pa] - Pressure loss
- *NR [dB(A)] - Noise level without the room attenuation

EXHAUST GRILLE SD-LT



Technical design



SECTION A-A
SCALE 2 : 1