

Air through perfection

Transfer grille



ACP
Grilles

Transfer grille TG



Description

The transfer grille, made of aluminum, is used to equalize the pressure between two rooms.
The grille is mounted in the door and is designed to allow air transfer.

Technical specifications

Characteristics

The grille is provided with "V" -shaped blades, parallel to the length ("L").
The shape of the blades and their arrangement determine the lack of visibility on the opposite side.
TG is used for door thicknesses between 40 and 50 mm.
As standard, the grille is manufactured with holes for screw mounting.
The grille is delivered with screws painted in the shade of the product.

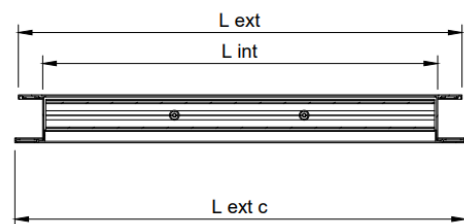
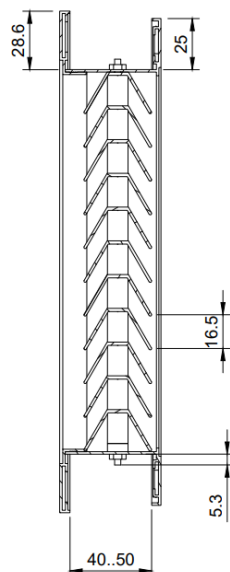
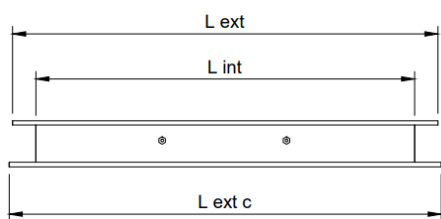
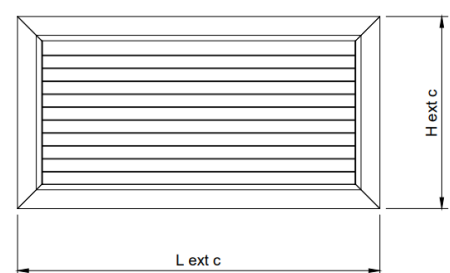
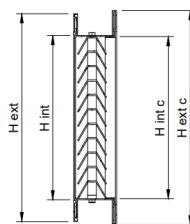
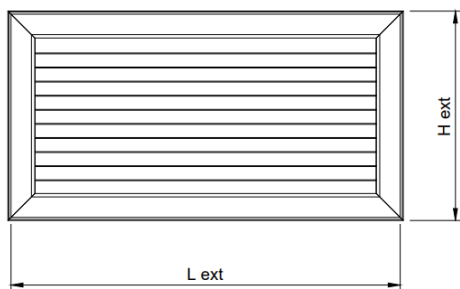
Materials

The grille is made of extruded aluminum electrostatic field painted din glossy white RAL9016.

On request, the grille can be delivered in other shades from the RAL palette.

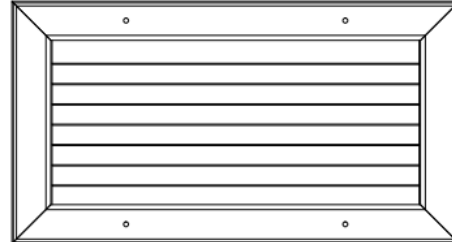
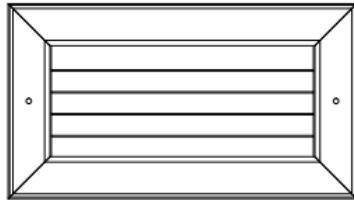
The TG product can be made, on request, from natural anodized aluminum profiles.

Technical drawing



Product specifications

The grille is made standard with mounting holes positioned on the product frame. The number of holes and their position are made according to the size of the product, according to the pictures and table.



L x H [mm]	Number of holes									
	100	200	300	400	500	600	700	800	900	1000
100	2	2	4	4	4	4	4	4	4	4
150	2	2	4	4	4	4	4	4	4	4
200	2	2	4	4	4	4	4	4	4	4
300	4	4	4	4	4	4	4	4	4	4
400	4	4	4	4	4	4	4	4	4	-
500	4	4	4	4	4	4	4	-	-	-
600	4	4	4	4	4	4	-	-	-	-
700	4	4	4	4	4	-	-	-	-	-
800	4	4	4	4	-	-	-	-	-	-
900	4	4	4	4	-	-	-	-	-	-
1000	4	4	4	-	-	-	-	-	-	-

Functional parameters

Air flow (m³/h)	L x H	200 X 100	300 X 150	400 X 200	600 X 200	300 X 300	400 X 300	500 X 300	600 X 300	600 X 400
	Ak [m²]	0,00996	0,025	0,0449	0,0682	0,0510	0,06815	0,0857	0,1031	0,1382
50	Ve _{eff} [m/s]	1.39								
	NR [dB(A)]	30.50								
	ΔPt [Pa]	10.20								
60	Ve _{eff} [m/s]	1.67	0.67							
	NR [dB(A)]	35.40	14.00							
	ΔPt [Pa]	14.20	2.50							
70	Ve _{eff} [m/s]	1.95	0.78							
	NR [dB(A)]	40.00	16.00							
	ΔPt [Pa]	19.00	3.80							
80	Ve _{eff} [m/s]	2.23	0.89							
	NR [dB(A)]	42.20	20.00							
	ΔPt [Pa]	24.00	4.00							
90	Ve _{eff} [m/s]	2.51	1.00	0.56						
	NR [dB(A)]	45.50	23.50	8.00						
	ΔPt [Pa]	31.50	5.00	2.00						
100	Ve _{eff} [m/s]	2.79	0.00	0.62						
	NR [dB(A)]	48.00	25.50	10.00						
	ΔPt [Pa]	38.50	6.50	2.50						
125	Ve _{eff} [m/s]	3.49	1.39	0.77		0.68				
	NR [dB(A)]	52.00	30.50	15.00		12.00				
	ΔPt [Pa]	55.00	9.50	3.00		2.00				
150	Ve _{eff} [m/s]		1.67	0.93		0.82				
	NR [dB(A)]		34.50	19.50		16.00				
	ΔPt [Pa]		13.00	4.00		3.20				
175	Ve _{eff} [m/s]		1.94	1.08	0.71	0.95	0.71			
	NR [dB(A)]		38.00	23.00	14.00	20.00	13.00			
	ΔPt [Pa]		18.00	5.50	2.50	4.50	2.00			
200	Ve _{eff} [m/s]		2.22	1.24	0.81	1.09	0.82	0.65		
	NR [dB(A)]		42.00	26.50	14.00	25.00	15.00	9.00		
	ΔPt [Pa]		24.50	7.50	3.20	5.50	3.00	2.00		
250	Ve _{eff} [m/s]		2.78	1.55	1.02	1.36	1.02	0.81	0.67	
	NR [dB(A)]		48.50	33.00	23.50	30.50	23.00	17.00	13.00	
	ΔPt [Pa]		39.50	11.50	5.00	10.00	5.20	3.00	2.00	
300	Ve _{eff} [m/s]		3.33	1.86	1.22	1.63	1.22	0.97	0.81	
	NR [dB(A)]		53.00	38.50	27.50	35.50	27.50	22.50	17.00	
	ΔPt [Pa]		57.00	17.50	7.00	13.00	6.50	5.00	3.50	
350	Ve _{eff} [m/s]		2.17	1.43	1.91	1.43	1.13	0.94	0.70	
	NR [dB(A)]		42.50	31.50	38.50	31.00	26.00	21.00	14.00	
	ΔPt [Pa]		23.00	10.00	17.50	10.00	6.50	4.00	2.50	
400	Ve _{eff} [m/s]		2.47	1.63	2.18	1.63	1.30	1.08	0.80	
	NR [dB(A)]		45.00	34.00	42.50	34.00	29.00	24.00	17.00	
	ΔPt [Pa]		30.00	13.50	24.00	13.50	8.50	6.00	3.00	
500	Ve _{eff} [m/s]			3.09	2.04	2.72	2.04	1.62	1.35	1.00
	NR [dB(A)]			50.00	41.00	47.50	41.00	34.50	30.50	23.50
	ΔPt [Pa]			47.50	20.00	37.00	20.00	13.00	9.00	5.00
600	Ve _{eff} [m/s]				2.44	3.27	2.45	1.94	1.62	1.21
	NR [dB(A)]				45.00	52.50	45.50	39.50	34.50	27.00
	ΔPt [Pa]				29.00	53.00	29.50	19.00	13.00	7.50
700	Ve _{eff} [m/s]				2.85		2.85	2.27	1.89	1.41
	NR [dB(A)]				48.50		48.00	43.00	38.50	31.00
	ΔPt [Pa]				42.50		42.00	25.50	17.00	10.00
800	Ve _{eff} [m/s]						3.26	2.59	2.16	1.61
	NR [dB(A)]						52.00	46.00	41.00	34.50
	ΔPt [Pa]						52.50	33.50	23.50	13.00
900	Ve _{eff} [m/s]							2.92	2.42	1.81
	NR [dB(A)]							49.00	44.00	37.50
	ΔPt [Pa]							42.50	29.50	16.50
1000	Ve _{eff} [m/s]							3.24	2.69	2.01
	NR [dB(A)]							52.00	47.00	41.00
	ΔPt [Pa]							52.50	36.50	20.00
1200	Ve _{eff} [m/s]								3.23	2.41
	NR [dB(A)]								52.50	44.00
	ΔPt [Pa]								51.00	29.50
1400	Ve _{eff} [m/s]									2.81
	NR [dB(A)]									48.50
	ΔPt [Pa]									39.00
1600	Ve _{eff} [m/s]									3.22
	NR [dB(A)]									51.00
	ΔPt [Pa]									51.00

The legend

Ak [m²] - The free surface of the grille

Ve_{eff} [m/s] – Air velocity in the grille

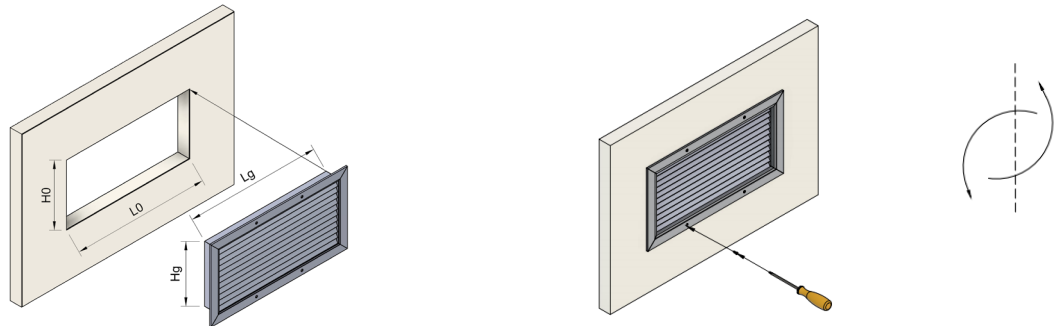
NR [dB (A)] - Noise level without room attenuation

ΔPt [Pa] - Pressure loss

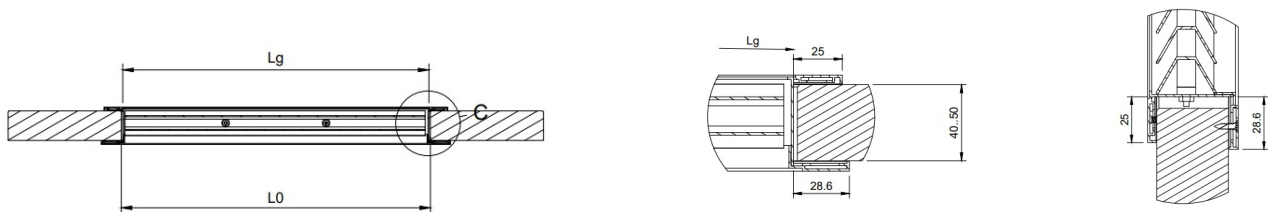
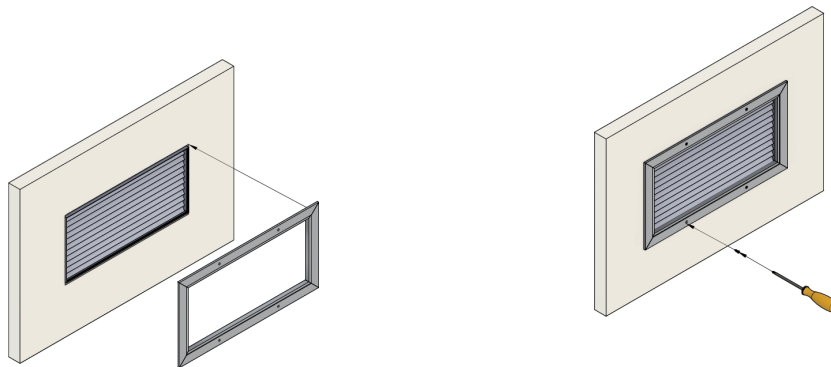
Installation

The product is fixed with mounting screws.

Face 1



Face 2



Order code

Example on how to place an order

Type	Dimensions	Finish
TG		
On request		
RAL 9016		
RAL..	Other RAL colors on request	
EL	Natural anodized on request	