

Slot Diffusers

Fixed high airflow level aluminium slot diffusers



AF 792 F0 - AFZ 91 - S792 series

Advantages

- Capable of handling large volumes of airflow.
- Easy installation in all types of suspended ceilings with a length of 675 mm.

APPLICATION

- Horizontal air supply diffusion, fixed by 2 or 4 slots.
- Heating installations ($\Delta T_{\max} = + 30^{\circ} \text{C}$) and air conditioning ($\Delta T_{\max} = - 16^{\circ} \text{C}$) installations.
- To be mounted in a suspended ceiling.

DESCRIPTION

- Body and deflectors in extruded aluminium.
- Fixed central core.
- White epoxy painted aluminium finish, RAL 9010 tint.
- Fixing by screw into the neck of the diffuser.
- The plenum is fitted with lugs for fixing to the concrete tile.

NOTE: the diffuser weight must not be borne by the frame of the suspended ceiling. Use the suspension cables.

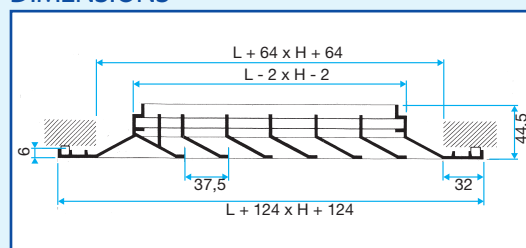
ACCESSORIES

- Damper B 700 in aluminium. Counter-rotating dampers. Adjustment via the front panel of the diffuser. Mounted on the diffuser using the clips supplied.
- Connector plenum and lever in galvanised steel - side connector (type RE).

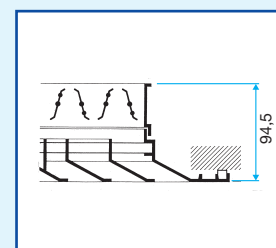
ADDITIONAL RANGE

- Paint finish in accordance with the RAL colour chart (please, consult us).
- F7 fixings for non-removable fixed ceiling tiles (please, consult us).
- For the linear strips version (please, consult us).
- Insulated connector plenum (please, consult us).

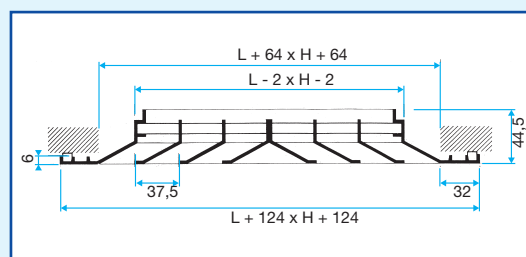
DIMENSIONS



AF 791R diffuser alone



Diffuser + B700 damper



AF 792R diffuser alone

Comfort airflow levels for $L_w < \text{NR } 30$ and dimensions

Modèle	L x H (mm)	Tile (mm)	H plenum (mm)	Ø (mm)	Airflow (m^3/h)
AF 791 Z F0	472 x 75	600	235	125	190
AF 791 Z F0	472 x 150	600	270	160	290
AF 791 Z F0	547 x 75	675	235	125	220
AF 791 Z F0	1072 x 75	1200	310	200	430
AF 791 Z F0	1072 x 150	1200	425	315	660
AF 792 Z F0	1072 x 150	1200	425	315	660
AF 792-1 Z F0	1072 x 150	1200	425	315	660

- For dimensions of the plenums, please contact us.
- See selection table on page 281.

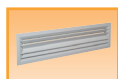
Directions of the air supply and number of slots

Model	AF 791 Z F0	AF 792 Z F0	AF 792-1 Z F0
Width	75	150	150
No. of slots	2	4	4
Directions of air supply			

RANGE R10

Dimensions	1 direction diffuser AF 791 Z F0	2 directions diffuser AF 792 Z F0	2 directions diffuser AF 792-1 Z F0	Damper B 700	Plenum side connection RE
	Code	Code	Code	Code	Code
472 x 75	11051241			11051331	11053541
472 x 150	11051242			11051334	11053544
547 x 75	11051243			11051332	11053542
1072 x 75	11051244			11051333	11053543
1072 x 150	11051245	11051246	11051247	11051335	11053545

Selection Tables



AF 792 Series

Air supply for a length of 1 m with ceiling effect

Ak (m ²)	Height (mm)	No. of slots	qv (m ³ /hr)																Lw	Lt			
			300		350		400		500		600		800		1100		1300						
0.025	75	2	25.0	3.7	28.0	4.7	32.0	5.1	35.0	6.1	40.0	7.2							Lw	Lt			
			3.3	6.0	4.0	9.6	4.5	12.0	5.5	19.0	6.5	26.0							Vk	Pa			
0.05	150	4											28.0	6.0	35.0	7.0	42.0	10.0	45.0	12.0			
													3.4	7.2	4.5	12.0	6.5	25.0	7.5	38.0			
0.05 0.037 + 0.013	150	4	3											28.0	4.7	35.0	6	42.0	7.7	45.0	9.3		
														3.4	7.2	4.5	12.0	6.5	25.0	7.5	4.2		
			1											—	1.6	—	3.5	—	4.9	—	5.3		
														3.4	—	4.5	—	6.5	—	7.5	—		
0.05 0.025 + 0.025	150	4	2											28.0	3.7	35.0	5.1	42.0	6.4	45.0	7.4		
														3.4	7.2	4.5	12.0	6.5	25.0	7.5	4.2		
			2	Lw	Lt											—	3.7	—	5.1	—	6.4	—	7.4
				Vk	Pa											3.4	—	4.5	—	6.5	—	7.5	—

The values Lw (NR) do not take the attenuation in the premises into account.

Speed = 0.37 m/s.

Corrections for other terminal velocities

Vt (m/s)	0.25	0.37	0.5	0.63
Lt	x 1.5	x 1	x 0.75	x 0.6