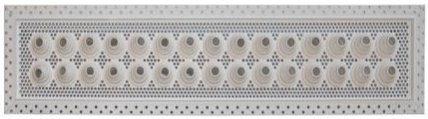
EDMF-S Adjustable micro-nozzles diffuser on perforated panel



Description

Adjustable micro-nozzles diffusers on rectangular panel.
They are used in air delivery, when there is a need for long throws at low noise levels and/or air flow orientation. Mainly installed on the wall, they are particularly suitable in cases where, for architectural or structural reasons of the environment, different throw directions must be provided for the individual micro-nozzles. In the case of a multi-row arrangement, it is possible to diverge the throw as desired, both horizontally and vertically, significantly expanding the area of influence of the same.
Considering the high inductive effect, due to the division of the flow rate into many small jets, a rapid decrease in the throw speed and the temperature difference between the supply air and the ambient air is obtained.
Concealed frame.
Single-adjustable micro-nozzle diffuser, in perforated sheet metal.
Micro-nozzles in plastic material in black or white, with rounded exit edge to reduce the noise generated.

Characteristics

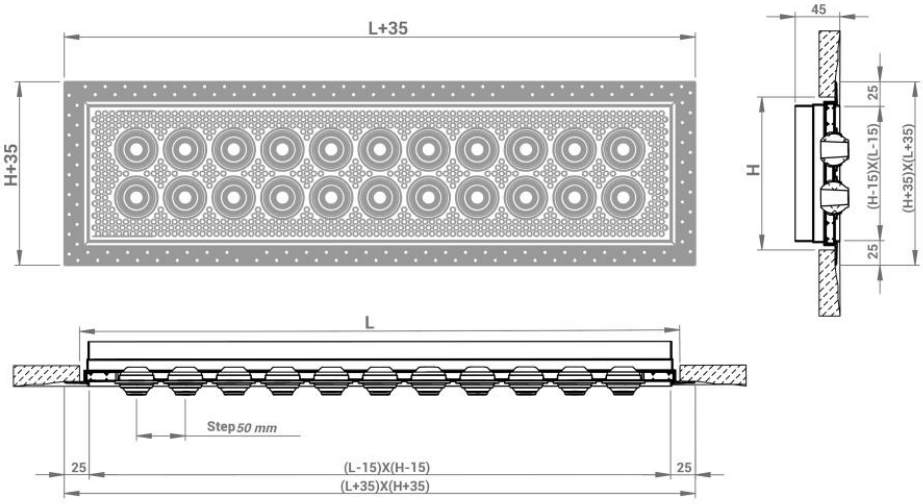
Material: Steel plate, aluminum frame, white nylon micro-nozzles. Finish: White RAL 9016.

Use

Diffusers with individually adjustable micro-nozzles designed to obtain long air throw with low noise levels.

Fixing

Fixing with front screws on frame.
On request Micro nozzles and plate in black on request.



Effective section

H		L			
		600	800	1000	1200
100	m^2	0,0065	0,0088	0,0111	0,0133
150	m^2	0,0086	0,0114	0,0143	0,0172

Technical data

Vk: effective speed (m/s)
m^3/h: flow rate
Pa: pressure drops in Pascal
L(m): air throw in metres calculated on ceiling installation, terminal velocity 0.25 m/s
dB(A): noise level

H	Vk	L			
	7 m/s	600	800	1000	1200
100	N° micro-nozzles on one row	11	15	19	23
	m^3/h	165	220	280	335
	L(m)	4,1	4,8	5,4	6,0
	dB(A)	29	30	30	31
150	N° micro-nozzles on two rows	22	30	38	46
	m^3/h	215	290	360	430
	L(m)	5,7	6,7	7,3	8,3
	dB(A)	30	31	32	32
Pressure drop: 18 Pa					

H	Vk	L			
	8 m/s	600	800	1000	1200
100	N° micro-nozzles on one row	11	15	19	23
	m^3/h	190	250	320	385
	L(m)	4,7	5,5	6,3	7,0
	dB(A)	34	35	35	36
150	N° micro-nozzles on two rows	22	30	38	46
	m^3/h	245	330	410	495
	L(m)	6,6	7,8	8,2	9,5
	dB(A)	35	36	37	37
Pressure drop: 28 Pa					

Price list

model L x H	N° micro-nozzles	N° row	Euro
600x100	11	1	⌄
600x150	22	2	⌄
800x100	15	1	⌄
800x150	30	2	⌄
1000x100	19	1	⌄
1000x150	38	2	⌄
1200x100	23	1	⌄
1200x150	46	2	⌄