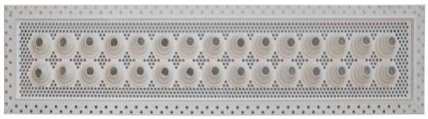
# EDMF-S Adjustable micro-nozzles diffuser on perforated panel



## 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

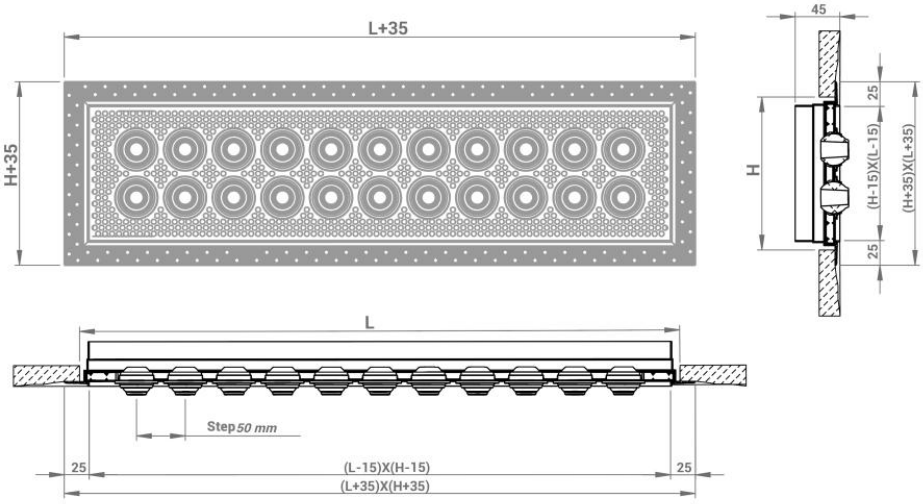
Material: Steel plate, aluminum frame, white nylon micro-nozzles. Finish: White RAL 9016.

## 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 | 212,78 |
| 600x150 | 22 | 2 | 353,11 |
| 800x100 | 15 | 1 | 296,24 |
| 800x150 | 30 | 2 | 460,02 |
| 1000x100 | 19 | 1 | 371,47 |
| 1000x150 | 38 | 2 | 569,04 |
| 1200x100 | 23 | 1 | 457,10 |
| 1200x150 | 46 | 2 | 688,47 |