

EDQMC Circular geometry multi-nozzle diffusers



Description

High induction multi-nozzle diffusers equipped with 360° adjustable deflector nozzles.

Characteristics:

Material: galvanised steel.
Nozzles: White ABS.
Finish: painted white RAL 9016.

Installation on plenum with lateral, non-visible screws or with fixing bracket inside plenum and central hole on the diffuser.

Use

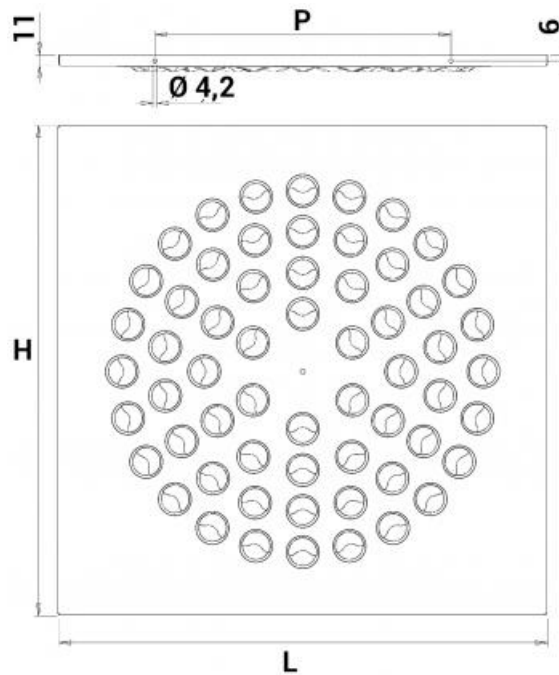
High induction multi-nozzle diffusers suitable for installation in rooms with a height between 2.5 and 4 m, both in heating and cooling mode.

Accessories

- EPZ-EDE galvanised plenum with damper and fixing bracket;
- EPZ-EDE-EQ galvanised plenum with damper, fixing bracket and equaliser;
- EPI-EDE insulated plenum with damper and fixing bracket;
- EPI-EDE-EQ insulated plenum with damper, fixing bracket and equaliser;
- screw and cap.

On request

Painting of panel only (not the white nozzles) in different RAL colours.



Dimensions

all dimensions are expressed in mm

| model | L | H | P |
|-------|-----|-----|-----|
| 400 | 395 | 395 | 200 |
| 500 | 495 | 495 | 300 |
| 600 | 595 | 595 | 400 |

Operating data

Vk: effective speed (m/s)

m³/h: flow rate

Pa: pressure drops in Pascal

L(m): air throw in metres referring to diffuser installed with Plenum + equaliser and open damper, terminal velocity 0.25 m/s

dB(A): noise level

| model | effective cross-section m ² | Vk (m/s) | | | | | | number of nozzles |
|---------------|---|-------------------|-----|-----|-----|-----|-----|-------------------|
| | | | 3 | 4 | 5 | 6 | 8 | |
| 400 | 0,0041 | m ³ /h | 45 | 60 | 75 | 90 | 120 | 18 |
| | | L(m) | 0,9 | 1,2 | 1,5 | 1,8 | 2,4 | |
| 500 | 0,0083 | m ³ /h | 90 | 120 | 150 | 180 | 240 | 36 |
| | | L(m) | 1,2 | 1,6 | 2 | 2,4 | 3,2 | |
| 600 | 0,0138 | m ³ /h | 150 | 200 | 250 | 300 | 400 | 60 |
| | | L(m) | 1,6 | 2,1 | 2,6 | 3,1 | 4,1 | |
| noise level | | dB(A) | 20 | 25 | 30 | 35 | 40 | - |
| pressure drop | | Pa | 15 | 22 | 30 | 42 | 70 | - |

Plenum dimensions



| plenum model | Compatible air diffuser type | External dimensions L1 x H1 | Ø d | P1 | P2 | C | E |
|--------------|------------------------------|-----------------------------|-----|-----|-----|-----|----|
| 400 | EDQMC 400 | 392x392 | 198 | 200 | 300 | 360 | 50 |
| 500 | EDQMC 500 | 492x492 | 198 | 200 | 300 | 460 | 50 |
| 600 | EDQMC 600 | 592x592 | 248 | 200 | 350 | 560 | 50 |

Price list

| model | 400 | 500 | 600 |
|-------|---------|----------|----------|
| | euro | euro | euro |
| EDQMC | 88,76 ∨ | 101,06 ∨ | 125,65 ∨ |

Price list for plenum with lateral connection

Plenum with top connection, price on request

| Item normally available from stock | | | | |
|------------------------------------|---|----------|----------|----------|
| Model | Description | 400 | 500 | 600 |
| | | euro | euro | euro |
| EPZ-EDE | Galvanised plenum with damper and fixing bracket | 90,96 ∨ | 106,02 ∨ | 124,93 ∨ |
| EPZ-EDE-EQ | Galvanised plenum with damper, fixing bracket and equaliser | 104,49 ∨ | 125,32 ∨ | 155,56 ∨ |
| EPI-EDE | INSULATED galvanised plenum with damper and fixing bracket | 110,52 ∨ | 130,16 ∨ | 153,14 ∨ |
| EPI-EDE-EQ | INSULATED galvanised plenum with damper, fixing bracket and equaliser | 124,59 ∨ | 150,18 ∨ | 184,96 ∨ |
| | SCREW AND CAP | | a.r. ∨ | |