

# EGFR Perforated grilles with 15 mm frame

## Description

Air supply and exhaust grilles with perforated panel, with 15 mm frame.

## Characteristics

Aluminium perimeter frame.  
Galvanised steel panel.  
Finish: painted white RAL 9016.  
Installation: magnet fastening.

The perforated mesh is made according to the following specifications:  
-60° alternating round holes;  
-empty/full ratio 46%;  
-diameter of holes 5mm;  
-distance between centres 7mm.

## Use

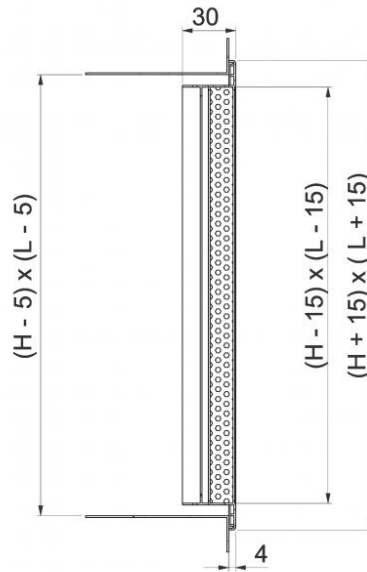
For air exhaust in rooms.

## Accessories

- EPZS galvanised plenum;
- EPIS insulated plenum;
- SC galvanised steel regulation damper with blades with opposing movement.

## On request

Painting in different RAL colours.



## Effective cross-section

| H   | L                                      |       |       |       |
|-----|--|-------|-------|-------|
|     | 300                                    | 400   | 500   | 600   |
|     | Effective cross-section m <sup>2</sup> |       |       |       |
| 300 | 0,037                                  | 0,050 | 0,064 | 0,077 |
| 400 | 0,050                                  | 0,068 | 0,086 | 0,104 |
| 500 | 0,064                                  | 0,086 | 0,108 | 0,131 |
| 600 | 0,077                                  | 0,104 | 0,131 | 0,157 |

## Operating data

Vk: effective speed (m/s)

m<sup>3</sup>/h: flow rate

Pa: pressure drops in Pascal

dB(A): noise level

L: width

H: height

All measurements are expressed in mm.

| H   | Vk m/s | L                           |      |      |      |
|-----|--------|-----------------------------|------|------|------|
|     |        | 300                         | 400  | 500  | 600  |
|     |        | flow rate m <sup>3</sup> /h |      |      |      |
| 300 | 2      | 269                         | 363  | 458  | 552  |
|     | 3      | 404                         | 545  | 687  | 828  |
|     | 4      | 538                         | 727  | 916  | 1104 |
| 400 | 2      | 363                         | 491  | 618  | 746  |
|     | 3      | 545                         | 736  | 928  | 1119 |
|     | 4      | 727                         | 982  | 1237 | 1492 |
| 500 | 2      | 458                         | 618  | 779  | 940  |
|     | 3      | 687                         | 928  | 1169 | 1410 |
|     | 4      | 916                         | 1237 | 1558 | 1879 |
| 600 | 2      | 552                         | 746  | 940  | 1133 |
|     | 3      | 828                         | 1119 | 1410 | 1700 |
|     | 4      | 1104                        | 1492 | 1879 | 2267 |

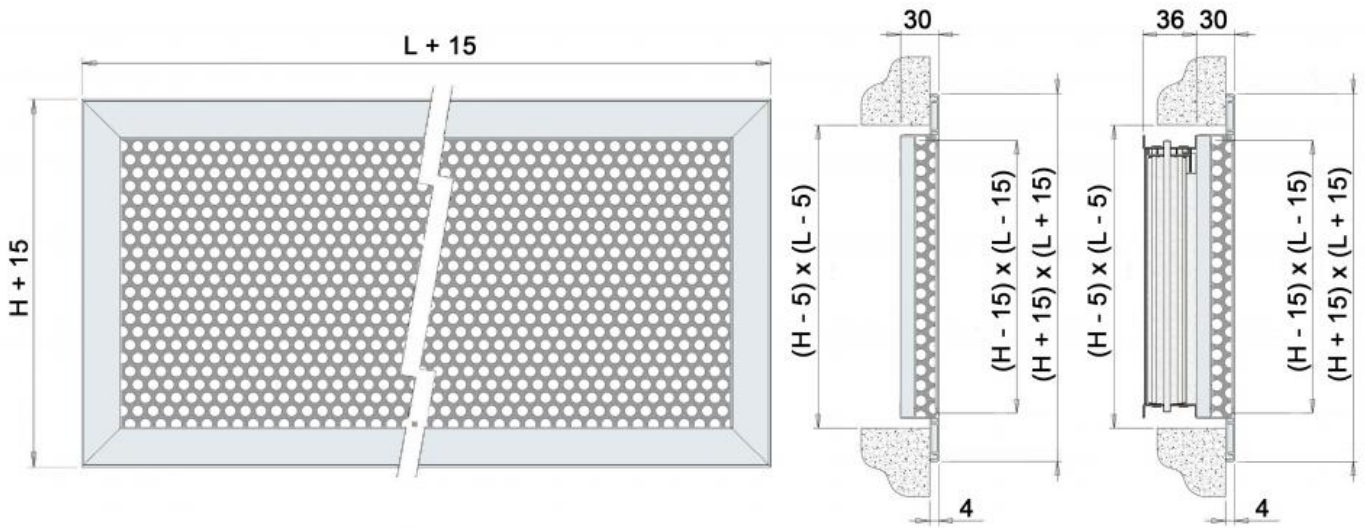
## Noise level dB(A)

| sound power level | V m/s | dB(A) |
|-------------------|-------|-------|
|                   | 2     | 20/25 |
|                   | 3     | 25/30 |
|                   | 4     | 35/40 |

## Pressure drop (Pa)

| pressure drop | V m/s | Pa |
|---------------|-------|----|
|               | 2     | 15 |
|               | 3     | 40 |
|               | 4     | 70 |

## Configuration

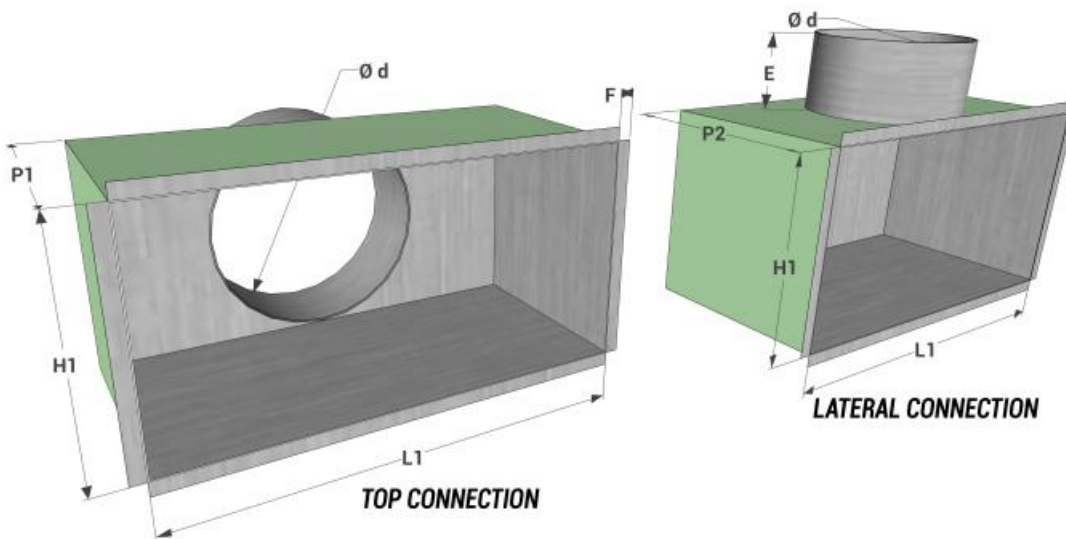


### SC regulation damper

Galvanised steel regulation damper with blades with opposing movement.



### Plenum



| model EGFR | dimensions<br>L1 x H1 | top connection |                 |     | lateral connection |                 |     | E  | F |
|------------|-----------------------|----------------|-----------------|-----|--------------------|-----------------|-----|----|---|
|            |                       | P1             | no. connections | Ø d | P2                 | no. connections | Ø d |    |   |
| 300x300    | 295x295               | 200            | 1               | 195 | 300                | 1               | 195 | 80 | 8 |
| 400x300    | 395x195               | 200            | 1               | 245 | 300                | 1               | 195 | 80 | 8 |
| 500x300    | 495x295               | 200            | 1               | 245 | 350                | 1               | 245 | 80 | 8 |
| 600x300    | 595x295               | 200            | 2               | 195 | 300                | 2               | 195 | 80 | 8 |
| 400x400    | 395x395               | 200            | 1               | 295 | 400                | 1               | 295 | 80 | 8 |
| 500x400    | 495x395               | 200            | 1               | 295 | 400                | 1               | 295 | 80 | 8 |
| 600x400    | 595x395               | 200            | 2               | 245 | 350                | 2               | 245 | 80 | 8 |
| 500x500    | 495x495               | 200            | 1               | 345 | 450                | 1               | 345 | 80 | 8 |
| 580x580    | 575x575               | 200            | 2               | 245 | 350                | 2               | 245 | 80 | 8 |
| 600x500    | 595x495               | 200            | 2               | 245 | 350                | 2               | 245 | 80 | 8 |
| 600x600    | 595x595               | 200            | 1               | 245 | 450                | 1               | 345 | 80 | 8 |

## Price list

| H   | L           |             |             |             |
|-----|-------------|-------------|-------------|-------------|
|     | 300<br>euro | 400<br>euro | 500<br>euro | 600<br>euro |
| 300 | 62,36 v     | 72,09 v     | 80,98 v     | 89,68 v     |
| 400 | 72,09 v     | 82,88 v     | 94,09 v     | 104,65 v    |
| 500 | 80,98 v     | 94,09 v     | 105,72 v    | 117,76 v    |
| 600 | 89,68 v     | 104,65 v    | 117,76 v    | 130,61 v    |

Item normally available from stock

| H   | SC damper   |             |             |             |
|-----|-------------|-------------|-------------|-------------|
|     | 300<br>euro | 400<br>euro | 500<br>euro | 600<br>euro |
| 300 | 27,79 v     | 34,39 v     | 37,86 v     | 41,39 v     |
| 400 | 34,39 v     | 39,39 v     | 47,57 v     | 51,14 v     |
| 500 | 37,86 v     | 47,57 v     | 61,21 v     | 63,82 v     |
| 600 | 41,39 v     | 51,14 v     | 63,82 v     | 76,00 v     |

| EGFR model | dimensions<br>L1 x H1 | top connection                 |                               | lateral connection             |                               |
|------------|-----------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|
|            |                       | EPZS galvanised plenum<br>euro | EPIS insulated plenum<br>euro | EPZS galvanised plenum<br>euro | EPIS insulated plenum<br>euro |
| 300x300    | 295x295               | 40,35 v                        | 55,38 v                       | 44,39 v                        | 60,76 v                       |
| 400x300    | 395x295               | 55,07 v                        | 71,59 v                       | 60,56 v                        | 78,70 v                       |
| 500x300    | 495x295               | 58,41 v                        | 76,05 v                       | 67,17 v                        | 87,43 v                       |
| 600x300    | 595x295               | 68,40 v                        | 87,43 v                       | 75,24 v                        | 96,19 v                       |
| 400x400    | 395x395               | 58,41 v                        | 77,70 v                       | 69,63 v                        | 96,96 v                       |
| 500x400    | 495x395               | 67,63 v                        | 82,78 v                       | 76,59 v                        | 104,45 v                      |
| 600x400    | 595x395               | 81,78 v                        | 108,29 v                      | 94,03 v                        | 119,13 v                      |
| 500x500    | 495x495               | 80,16 v                        | 100,38 v                      | 93,88 v                        | 134,23 v                      |
| 580x580    | 575x575               | 80,16 v                        | 108,37 v                      | 92,15 v                        | 124,62 v                      |
| 600x500    | 595x495               | 86,43 v                        | 114,59 v                      | 99,38 v                        | 130,89 v                      |
| 600x600    | 595x595               | 102,68 v                       | 135,69 v                      | 118,05 v                       | 173,39 v                      |