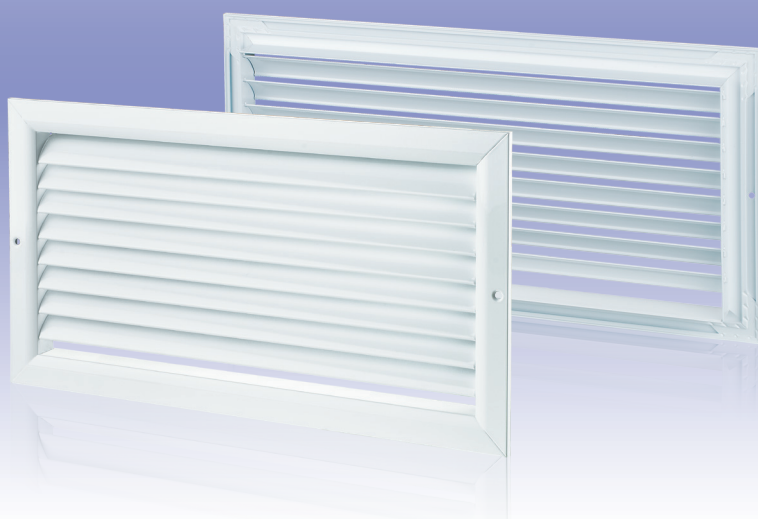


## Series ONF/ONFS



Single-row horizontal ventilation grille with fixed vanes

### Application

- Supply and exhaust ventilation, heating and air conditioning networks in industrial, commercial and domestic premises.

### Design

- Made of high-quality extruded aluminium.
- Polymer or anodized grille coating ensures weather-resistant properties.
- Non-standard sizes may be ordered.
- Grilles above 450 mm are equipped with a partition for extra rigidity (ONFS series).

### Modifications

- Available modifications with an adapter (A) for connection to air ducts.
- Available modifications with special springs (p) for fast mounting.

## Air flow distribution

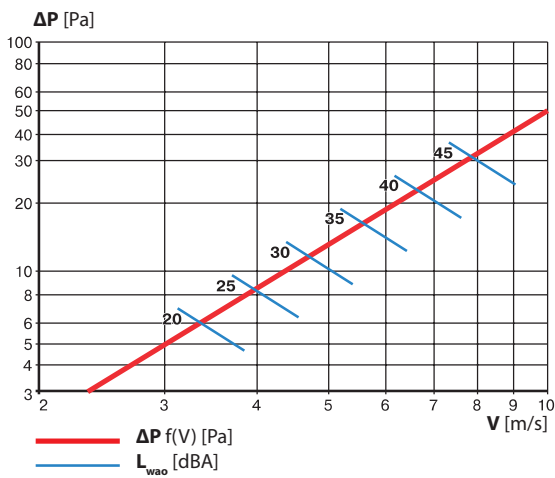


vane deflection angle – 45°

## Standard size [mm] and air pass [m<sup>2</sup>]

| Height H [mm] | Length L [mm] |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|               | 100           | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 600   | 700   | 800   | 900   | 1000  |
| 100           | 0,004         | 0,007 | 0,010 | 0,012 | 0,015 | 0,018 | 0,021 | 0,024 | 0,027 | 0,033 | 0,039 | 0,045 | 0,051 | 0,057 |
| 150           | 0,007         | 0,010 | 0,015 | 0,018 | 0,023 | 0,027 | 0,031 | 0,035 | 0,039 | 0,047 | 0,055 | 0,064 | 0,072 | 0,080 |
| 200           | 0,010         | 0,015 | 0,021 | 0,026 | 0,033 | 0,038 | 0,045 | 0,051 | 0,058 | 0,070 | 0,081 | 0,093 | 0,105 | 0,115 |
| 250           | 0,012         | 0,018 | 0,026 | 0,032 | 0,041 | 0,047 | 0,055 | 0,062 | 0,070 | 0,084 | 0,098 | 0,106 | 0,113 | 0,128 |
| 300           | 0,015         | 0,023 | 0,033 | 0,041 | 0,051 | 0,059 | 0,069 | 0,077 | 0,086 | 0,096 | 0,115 | 0,132 | 0,149 | 0,168 |
| 350           | 0,017         | 0,026 | 0,038 | 0,047 | 0,059 | 0,068 | 0,080 | 0,090 | 0,099 | 0,111 | 0,132 | 0,151 | 0,170 | 0,193 |
| 400           | 0,020         | 0,030 | 0,044 | 0,054 | 0,069 | 0,079 | 0,093 | 0,103 | 0,117 | 0,142 | 0,166 | 0,189 | 0,212 | 0,237 |
| 450           | 0,023         | 0,035 | 0,051 | 0,062 | 0,080 | 0,090 | 0,107 | 0,117 | 0,131 | 0,160 | 0,186 | 0,214 | 0,239 | 0,265 |
| 500           | 0,026         | 0,039 | 0,056 | 0,070 | 0,089 | 0,100 | 0,119 | 0,130 | 0,145 | 0,178 | 0,206 | 0,238 | 0,265 | 0,293 |
| 600           | 0,031         | 0,047 | 0,067 | 0,084 | 0,105 | 0,121 | 0,142 | 0,158 | 0,173 | 0,214 | 0,246 | 0,287 | 0,318 | 0,349 |
| 700           | 0,036         | 0,055 | 0,078 | 0,094 | 0,124 | 0,145 | 0,170 | 0,184 | 0,203 | 0,251 | 0,288 | 0,336 | 0,372 | 0,408 |
| 800           | 0,042         | 0,063 | 0,090 | 0,112 | 0,141 | 0,163 | 0,190 | 0,211 | 0,232 | 0,288 | 0,330 | 0,385 | 0,426 | 0,467 |
| 900           | 0,048         | 0,072 | 0,103 | 0,129 | 0,160 | 0,185 | 0,228 | 0,238 | 0,262 | 0,325 | 0,372 | 0,435 | 0,481 | 0,527 |
| 1000          | 0,053         | 0,079 | 0,113 | 0,141 | 0,177 | 0,204 | 0,239 | 0,266 | 0,292 | 0,361 | 0,414 | 0,484 | 0,536 | 0,587 |

## Pressure loss and sound power level



| Calculation formula         |
|-----------------------------|
| $L_{WA} = L_{WAO} \times K$ |

|                            | Correction factor K |      |      |      |      |      |   |
|----------------------------|---------------------|------|------|------|------|------|---|
| $S_{ap}$ [m <sup>2</sup> ] | 0,005               | 0,01 | 0,02 | 0,03 | 0,05 | 0,07 | 1 |
| K [dBA]                    | -13                 | -9   | -6   | -4,5 | -3   | -1,5 | 0 |

### Designation:

- $\Delta P$  – pressure loss [Pa]
- $L_{WA}$  – sound power level [dBA]
- $L_{WAO}$  – sound power level for air pass 0.1 m<sup>2</sup> [dBA]
- K – correction factor for sound power level calculation depending on air pass [dBA]
- $S_{ap}$  – air pass [m<sup>2</sup>]
- V – rated speed [m/s]

## Order code



**Grille type:** \_\_\_\_\_  
 ONF / ONFS – single-row unregulated grille with horizontal (vertical) vanes fixed at 45°

**Grille size:** \_\_\_\_\_  
 L – length [mm]  
 H – height [mm]

**Grille coating:**  
 "\_\_\_" – colour\* (white by default)  
 "Anodized"

**Accessories:**  
 \_\_\_ – no  
 A – adapter

**Grille fixation:**  
 p – spring

### \* Standard polymer coating colours:



## Overall and mounting dimensions

