

Series ONS



Single-row linear and sectional 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.
- Vertical partition ensures extra rigidity.
- Polymer or anodized grille coating ensures weather-resistant properties.
- Non-standard sizes may be ordered.

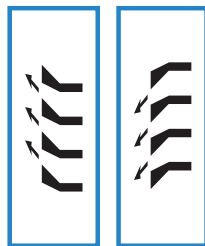
Modifications

- Available modifications with an air flow regulator (R) and an adapter (A) for connection to air ducts, page 42.
- Available modifications with versatile fixing (u) or with special springs (p) for fast mounting, page 44.

Air flow distribution options



straight (0°)
ONS1



single-sided (15°)
ONS2

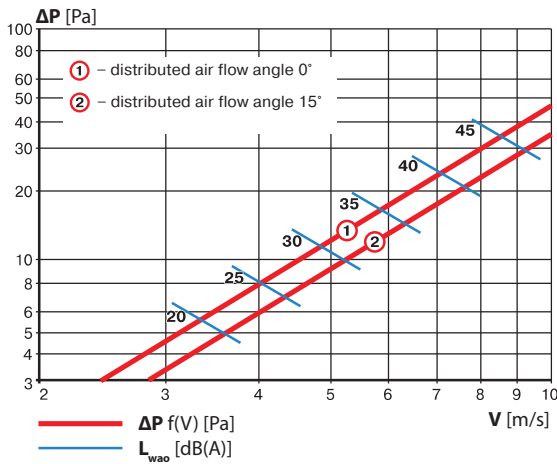


double-sided (2 x 15°)
ONS3

Standard size [mm] and air pass [m²]

Height H [mm]	Length L [mm]											
	450	500	550	600	650	700	750	800	850	900	950	1000
100	0,024	0,027	0,030	0,033	0,036	0,039	0,042	0,045	0,048	0,051	0,054	0,057
150	0,035	0,039	0,043	0,047	0,051	0,055	0,060	0,064	0,068	0,072	0,076	0,080
200	0,051	0,058	0,064	0,070	0,076	0,081	0,087	0,093	0,099	0,105	0,110	0,115
250	0,062	0,070	0,077	0,084	0,091	0,098	0,102	0,106	0,110	0,113	0,121	0,128
300	0,077	0,086	0,091	0,096	0,106	0,115	0,124	0,132	0,141	0,149	0,159	0,168
350	0,090	0,099	0,105	0,111	0,122	0,132	0,142	0,151	0,161	0,170	0,182	0,193
400	0,103	0,117	0,130	0,142	0,154	0,166	0,178	0,189	0,201	0,212	0,225	0,237
450	0,117	0,131	0,146	0,160	0,173	0,186	0,200	0,214	0,226	0,239	0,252	0,265
500	0,130	0,145	0,162	0,178	0,192	0,206	0,222	0,238	0,252	0,265	0,279	0,293
600	0,158	0,173	0,194	0,214	0,230	0,246	0,267	0,287	0,303	0,318	0,334	0,349
700	0,184	0,203	0,227	0,251	0,270	0,288	0,312	0,336	0,354	0,372	0,390	0,408
800	0,211	0,232	0,260	0,288	0,309	0,330	0,358	0,385	0,406	0,426	0,447	0,467
900	0,238	0,262	0,293	0,325	0,348	0,372	0,403	0,435	0,458	0,481	0,504	0,527
1000	0,266	0,292	0,327	0,361	0,388	0,414	0,449	0,484	0,510	0,536	0,561	0,587

Pressure loss and sound power level



Calculation formula

$$L_{WA} = L_{WAO} \times K$$

Correction factor K

S_{ap} [m ²]	0,02	0,03	0,05	0,07	0,1	0,2
K [dB(A)]	-6	-4,5	-3	-1,5	0	+3

Designation:

ΔP – pressure loss [Pa]

L_{WA} – sound power level [dB(A)]

L_{WAO} – sound power level for air pass 0.1 m² [dB(A)]

K – correction factor for sound power level calculation depending on air pass [dB(A)]

S_{ap} – air pass [m²]

V – rated speed [m/s]

Order code



Grille type:

ONS – single-row linear and sectional ventilation grille with fixed vanes

Vane position:

- 1 – direct (deflection angle 0°)
- 2 – single-sided (deflection angle 15°)
- 3 – double-sided (deflection angle 15°)

Grille size:

L – length [mm]
H – height [mm]

Grille coating:

"___" – colour* (white by default)
"Anodized"

Accessories:

- ___ – no
- R – air flow regulator
- A – adapter

Grille fixation:

- u – versatile
- p – spring

* Standard polymer coating colours:



Overall and mounting dimensions

