Series
ONL

Single-row linear horizontal ventilation grille with fixed vanes

Application

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

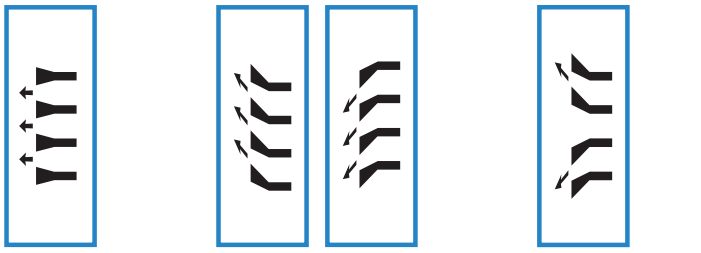
Design

- Made of high-quality extruded aluminium.
- Polymer or anodized grille coating ensures weather-resistant properties.
- Non-standard sizes may be ordered.

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˚)
ONL1

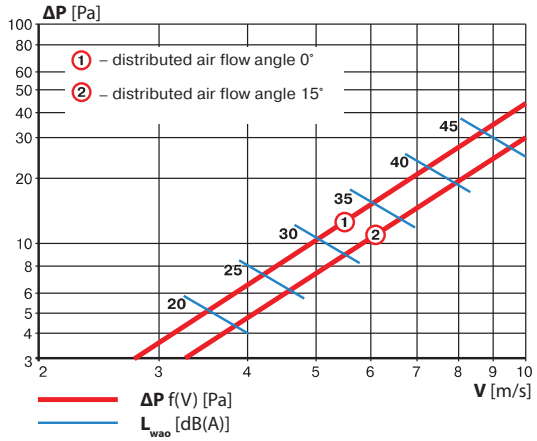
single-sided (15˚)
ONL2

double-sided (2 x 15˚)
ONL3

Standard size [mm] and air pass [m²]

Height H [mm]	Length L [mm]												
	400	450	500	550	600	650	700	750	800	850	900	950	1000
100	0,003	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	0,004	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	0,007	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	0,008	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	0,009	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	0,009	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	0,105	0,112	0,119	0,126	0,133	0,140	0,147	0,166	0,184	0,196	0,208	0,220	0,232
450	0,119	0,127	0,135	0,142	0,150	0,158	0,166	0,187	0,208	0,222	0,236	0,249	0,263
500	0,133	0,142	0,150	0,159	0,168	0,177	0,186	0,209	0,233	0,248	0,263	0,278	0,294
550	0,147	0,156	0,166	0,175	0,185	0,195	0,205	0,231	0,257	0,274	0,291	0,307	0,324
600	0,161	0,171	0,181	0,192	0,202	0,213	0,224	0,253	0,281	0,300	0,318	0,337	0,355
650	0,175	0,186	0,197	0,208	0,219	0,231	0,243	0,274	0,305	0,325	0,346	0,366	0,386
700	0,188	0,200	0,212	0,224	0,237	0,250	0,263	0,296	0,330	0,351	0,373	0,395	0,417
750	0,202	0,215	0,228	0,241	0,254	0,268	0,282	0,318	0,354	0,377	0,401	0,424	0,447
800	0,215	0,229	0,243	0,257	0,271	0,286	0,301	0,340	0,378	0,403	0,428	0,453	0,478
850	0,229	0,244	0,259	0,273	0,288	0,304	0,320	0,361	0,402	0,429	0,455	0,482	0,509
900	0,243	0,258	0,274	0,290	0,306	0,322	0,339	0,383	0,427	0,455	0,483	0,511	0,539
950	0,256	0,273	0,290	0,306	0,323	0,340	0,358	0,404	0,451	0,480	0,510	0,540	0,570
1000	0,270	0,288	0,305	0,323	0,340	0,359	0,377	0,426	0,475	0,506	0,537	0,569	0,600

Pressure loss and sound power level



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

Correction factor K						
S_{ap} [m²]	0,01	0,02	0,05	0,1	0,2	0,4
K [dB(A)]	–9	–6	–3	0	+3	+6

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

□□LxH□□□

Grille type:

ONL – single-row linear 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:**

white RAL9016	beige RAL1015	brown RAL 8017	grey RAL7001	blue RAL 5005	black RAL 9005

Overall and mounting dimensions