

Series DS



Slit diffuser

Application

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

Design

- Made of high-quality extruded aluminium.
- Focused air flow distribution.
- Air flow direction control.
- Polymer or anodized grille coating ensures weather-resistant properties.
- Non-standard sizes may be ordered.

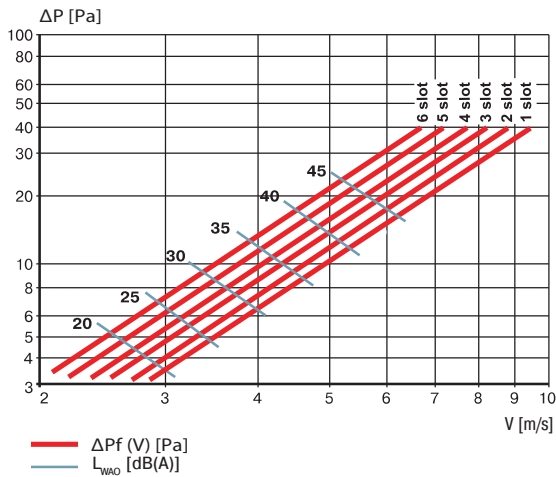
Modifications

- Available modifications with 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.

Standard size [mm] and air pass [m²]

Height H [mm]		Length L [mm]														
Number of slits	H, mm	200	300	400	500	600	700	800	900	1000	1200	1400	1500	1600	1800	2000
1	62	0,0043	0,0067	0,009	0,0114	0,0138	0,0162	0,0186	0,0209	0,0233	0,0281	0,0328	0,0352	0,0376	0,0423	0,0471
2	106	0,0086	0,0134	0,0180	0,0228	0,0276	0,0324	0,0372	0,0418	0,0466	0,0562	0,0656	0,0704	0,0752	0,0846	0,0942
3	151	0,0129	0,0201	0,0270	0,0342	0,0414	0,0486	0,0558	0,0627	0,0699	0,0843	0,0984	0,1056	0,1128	0,1269	0,1413
4	195	0,0172	0,0268	0,0360	0,0456	0,0552	0,0648	0,0744	0,0836	0,0932	0,1124	0,1312	0,1408	0,1504	0,1692	0,1884
5	239	0,0215	0,0335	0,0450	0,0570	0,0690	0,0810	0,0930	0,1045	0,1165	0,1405	0,1640	0,1760	0,1880	0,2115	0,2355
6	283	0,0258	0,0402	0,0540	0,0684	0,0828	0,0972	0,1116	0,1254	0,1398	0,1686	0,1968	0,2112	0,2256	0,2538	0,2826

Pressure loss and sound power level



Calculation formula
$\Delta P_p = \Delta P \times K_p$

Correction factor K_p		
	0°	45°
K_p	1	1,5

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

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

Designation:

ΔP_p – pressure loss at various vane positions [Pa]

ΔP – pressure loss [Pa]

K_p – correction factor for pressure loss calculation depending on louvre deflection angle

L_{WA} – sound power level [dB(A)]

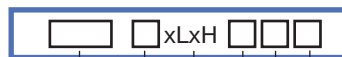
L_{WAO} – sound power level for air pass 0.1 m² [dB(A)]

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: _____

DS – slit diffuser

Number of slits: _____

1, 2, 3, 4, 5, 6

Grille size: _____

L – length [mm]

H – height [mm]

Grille coating:

"___" – colour* (white by default)

"Anodized"

Accessories:

___ – no

A – adapter

Grille fixation:

u – versatile

p – spring

* Standard polymer coating colours:



Overall and mounting dimensions

