

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.

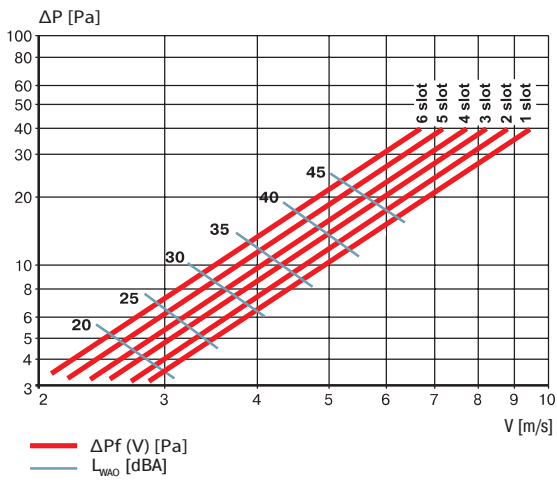
Modifications

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

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	Correction factor K_p	
	0°	45°
$\Delta P_p = \Delta P \times K_p$	K_p	
	1	1.5

Calculation formula	Correction factor K						
	S_{ap} [m ²]	0.01	0.02	0.05	0.1	0.2	0.4
$L_{WA} = L_{WAO} \times K$	K [dBA]	-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 [dBA]

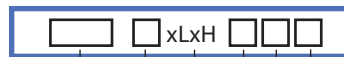
L_{WAO} – sound power level for air pass 0.1 m² [dBA]

K – correction factor for sound power level calculation depending on air pass [dBA]

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

