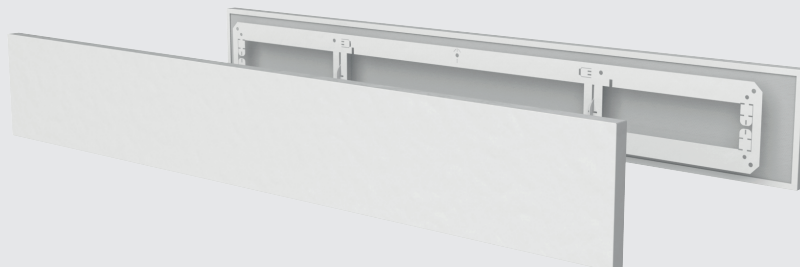


Air transfer unit

ÖLS



Description and function

Air transfer units play an important role in optimizing indoor comfort by facilitating the movement of air between neighboring spaces, such as residential, hotel, or office rooms, while ensuring a good system balance, low resistance, and sound levels. Airvent's slim and compact air transfer unit, ÖLS, is an optimal solution designed to address these needs. The ÖLS's emphasis on aesthetics, functionality, noise reduction, and ease of installation ensures effective integration into a variety of ventilation systems, making it a valuable component in achieving an optimal indoor environment.

The ÖLS comes standard with two identical rectangular shaped front plates, featuring internal sound insulation within each plate. The diffusers are designed with a slim profile, ensuring that each set seamlessly blends into diverse architectural settings. Supplied as standard with bayonet-type mounting frames, each diffuser is fastened on both sides of a wall dividing two rooms, positioned opposite from each other just above the doors, allowing air to move freely through the opening in the wall and between spaces.

Standard sizes

300, 550 and 800 mm

Airflow range

80 - 198 m³/h (22-55 l/s)

Pressure drop: 15 Pa

Materials

The front plate and bayonette-type frame are made of galvanised steel, powder coated in standard RAL9003 color. Cleanable surface coated insulation from 100% recycled, non allergenic, hydrophobic PET material.

Main characteristics

- Transfer unit with a rectangular design
- Optimal noise reduction qualities
- Aesthetic appearance
- Easy to mount

Accessories

Standard accessory delivered with the ÖLS: R type mounting frame.

Mounting

After fixing the mounting frame in the airduct/wall opening, push the ÖLS transfer unit on the mounting frame until it clicks.

T.1. Quick selection

Size [mm]	l/s at 15 Pa
300	22
550	42
800	55

*) at $\Delta T = 10^\circ K$

Technical data

T.2. Maximum airflow

Size	Maximum airflow (l/s)		
	10 Pa	15 Pa	20 Pa
300	+18	+22	+25
550	+35	+42	+49
800	+50	+55	+69

T.3. Sound attenuation [dB]

Size	Medium frequency (Hz)					R _w
	125	250	500	1000	2000	
300	+25	+30	+31	+25	+30	+29
550	+23	+27	+29	+23	+28	+27
800	+21	+24	+26	+21	+26	+25

Tol. ± 3 dB

T.4. Correction K_{OK} [dB]

Size	Medium frequency (Hz)					
	125	250	500	1000	2000	4000
300, 550, 800	+6	+5	+3	0	-6	-19

Tol. ± 3 dB

The sound level is applicable at an equivalent sound absorption area of 10 m².

Sound effect level: L_w [dB]

Sound level: L_{PA} [dB(A)], see diagram 1.

Correction factor: K_{OK} [dB]

Correction factor K_{OK} [dB] from table 4.

$$L_w = L_{PA} + K_{OK}$$

Dimensions

T.5. ÖLS rectangular transfer unit

Size	A	B
300	390	150
550	600	250
800	890	400

*The indicated sizes in mm.

T.6. Rama mounting frame

Accessory	Size	Width*	Height*
R	300	320	50
	555	555	50
	800	820	50

*The indicated sizes in mm.

Specification

Ordering code:	ÖLS -XXX
Product acronym:	ÖLS
Size:	300 550 800
Example: ÖLS-300	

D.1. ÖLS

