Wall-integrated air-passage elements

Dimensions: Building-specific element-width and element-height, wall thickness 105 mm, minimum width of axis dimension for wall element W ≥ 250 mm, length of overflow element inside per unit L = 500 – 1,200 mm, installation vertical or horizontal

Cladding: 2 x 19 mm wooden panels, P2 gluing, formaldehyde emission class E1, building material class B2

Surfaces: Melamine resin direct-coating as per collection, optional CPL/HPL coating materials, real wood veneers, paint finishing, steel cases powder-coated in RAL colours or aluminium cases natural E6/EV1 anodized

Perforation: Front-side slotting, joint width 8 – 12 mm; optional hole perforation with metal cases

Air-passage unit: Air-passage element with meandering airflow and oppositely arranged air inlets and outlets, composite construction with sound-absorbing inner lining made of B2-class material

Air flow rate: Depending on the design, sound insulation and effective length approx. 50-100 m³/hm per linear meter effective length at approx. 10-20 Pa pressure loss

Sound insulation:

Standard-sound-level difference	$D_{n,e,w}$ = 37-50 dB
Sound-insulation test value (surface-dependent)	$R_{w,P}$ = 22-37 dB

Fire resistance: EI0 (no requirements)