

Air Diffuser Systems

Air Diffuser Combination Type LDK-B for Wall Installation

LTG air diffuser combinations type LDK for wall installation are combined supply air/return air diffusers for mechanical room air ventilation (special design: only supply air or return air).

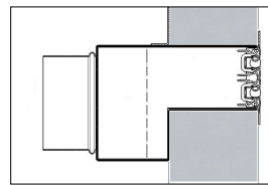


Installation example Type LDK-B with two slot rows

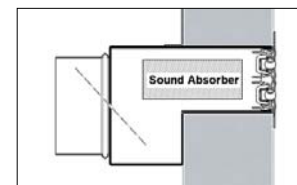
Features

- **Compact design.** Supply air and return air combined in the same diffuser.
- **Easy installation due to removable diffuser element.** Air connection boxes are installed through a linear cutout in the wall. "Final fix" diffuser elements.
- **Protection against damage.** Diffuser elements are not installed until all construction and painting work has been completed and may again be removed in case of any renovation and reconstruction.
- **Easy air flow control** due to factory-integrated supply and return air damper that may be set from inside the room.
- **Room and cost saving installation of sound absorber** directly inside the air distribution box.
- **High thermal comfort** due to mixed/ displacement air flow in room.
- **High acoustic comfort** due to air connection box with optimized flow technology and integrated sound absorber (optional).
- **Also available as LTG System clean®** with part of the air flow being introduced into the room close to the wall through a slot in the surround section of the diffuser profile. Due to this air curtain a pollution resulting from airborne dust particles is almost completely eliminated in that area.
- **Diffuser element with the proven LTG linear diffusers type LDB** consisting of cylindrical linear nozzles in aluminum sections.

- **Selection of diffuser elements** (2, 3 and 4 slot rows) for a variety of flow patterns, flow rates, and designs.
- **Modern design and virtually unlimited color selection.** Finish of the sections either aluminium colored anodized or RAL painted. Cylinders of RAL painted plastic. Installation also possible in continuous wall-to-wall line.



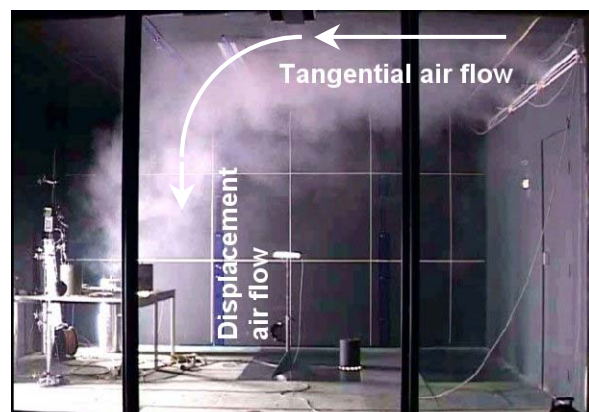
Cross section with integrated damper



Cross section with integrated sound absorber and damper



Mixed/displacement air flow principle



Tangential air flow principle with subsequent mixed /displacement air flow