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Duct silencer 500x400x1500

Reference arguments

Attenuator in a rectangular design are used to reduce noise in ventilation systems and construction work openings. Air is conducted through the sound-absorbent housing and past sound traps filled with mineral wool. Depending on the frequency band, sound distribution in the subsequent duct is reduced using the principle of resonance and/or absorption. Streamlined inflow profiles on the sound traps make it possible to keep the pressure loss low. The sound traps must be installed horizontally in order to prevent the mineral wool from coming loose from the frames. The design of the attenuators is customised in line with the intended purpose. Optimum sound absorption is achieved by varying the housing dimensions and the width/number of sound traps. The mineral wool is tear-proof up to 20 m/s, sound-absorbing, water-repellent and covered with glass fibre fabric. The damping material is non-flammable pursuant to Euroclass A1 EN 13501, biosoluble and chemically neutral. DL splitter attenuators meet the hygiene requirements of VDI 6022, DIN 1946-4 and VDI 3803.

500x400 L=1500

Tightness class ATC 4 (B).