

DESCRIPTION

Rectangular duct silencers are intended for noise attenuation in ventilation and air conditioning systems. Most often they are placed between a fan and a supply or exhaust air duct, and before air diffusers. The silencer is made of housing with baffles inside. The housing is made of galvanized steel, has mounting frames with sheet metal joining profiles on its ends and is stiffened with transverse sheet corrugation. The baffles consist of galvanized steel frame and a sound-absorbing insert. The sound-absorbing insert is a combination of non-combustible mineral wool panels and its external surface is covered with a special abrasion resistant fabric, which protects mineral wool. ROCKWOOL panels are covered with a black glass fibre veil, with coating that can support air flow rates of 2m/s, as well as industrial ROCKWOOL panels are used. The maximum temperature of heat carrier is 250°C. The product is non-combustible.

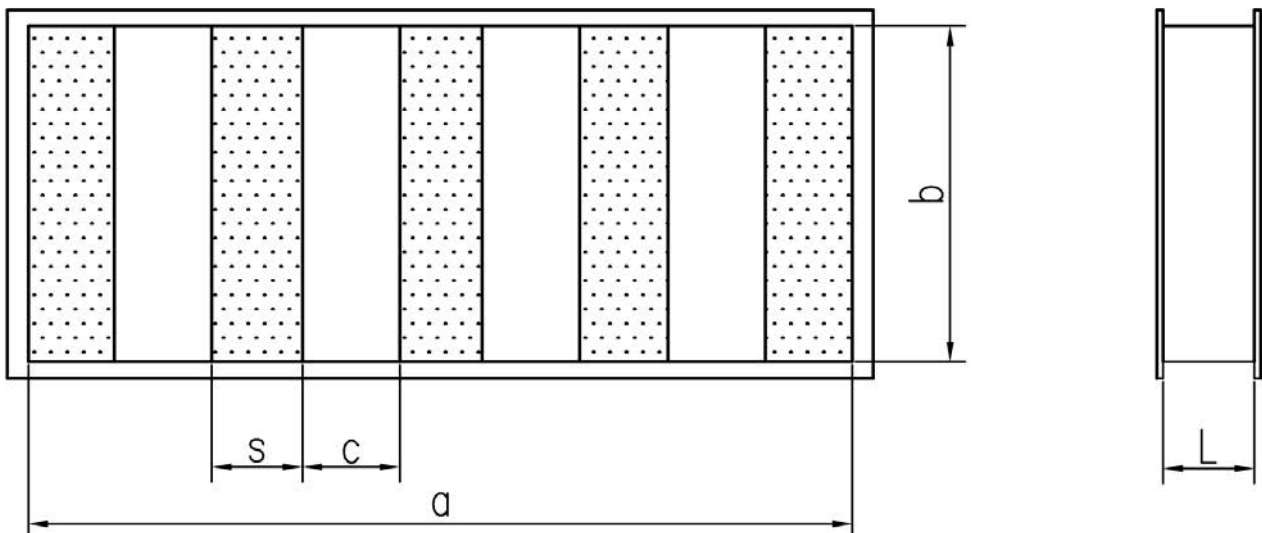
Depending on their design, there are two types of the baffles:

- A – absorptive baffles with all their surface covered with fabric. This type of baffles is used predominantly for low and medium frequencies.
- B – absorptive/resonator baffles, which are similar to the absorptive baffles, but the sound-absorbing insert on both sides of the baffle is screened across half the baffle surface with galvanized steel sheet.

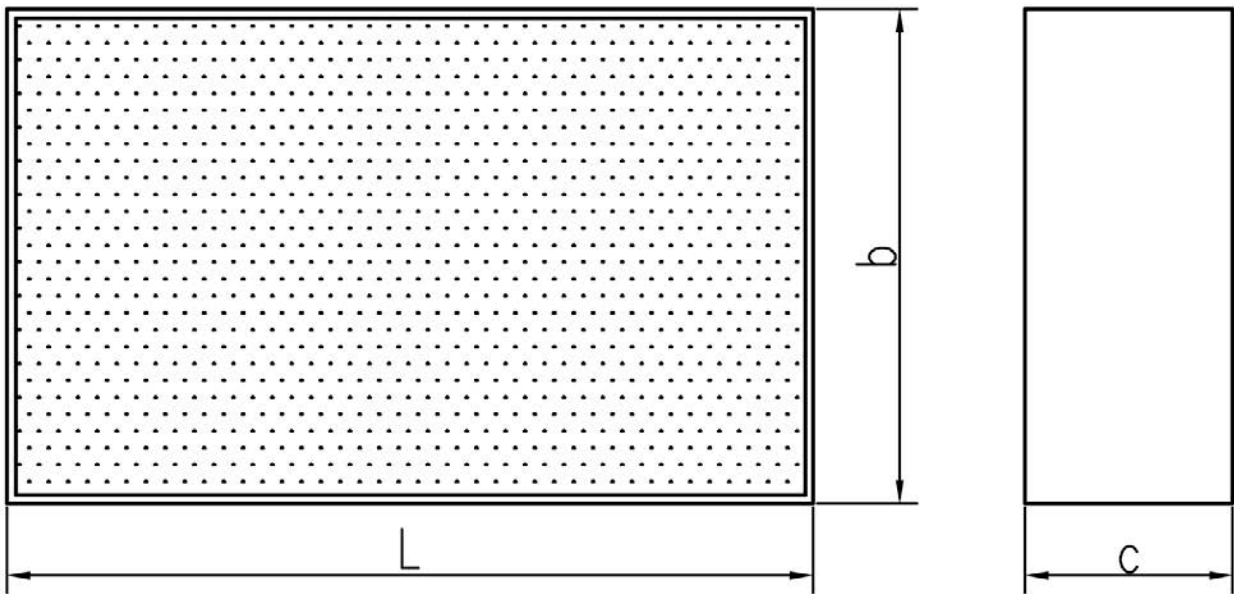
These baffles are used mainly for medium and high frequencies. Distance “s” between the baffles is 40-100mm. Care should be taken when handling, storing and assembling silencers on site so as not to damage the surface of baffles. Rectangular silencers are placed in ventilation systems with vertical baffles. The allowable flow rate should be taken into account when selecting the type of silencer, depending on stream flow and the silencer’s own noise.

Example of identification: SLQ-1-1-4-800-400-500, where three last numbers indicate on dimensions: a, b and L.

DIMENSIONS



Baffle type A (c=100 or 200)



Baffle type B (c=100 or 200)

