

Splitter attenuator

ksd/ksr


 Free choice of dimensions

 A range of models

 Low pressure loss thanks to rounded inflow profile

 Suitable for use in areas with an explosion risk

 Hygiene-certified

 High airtightness class

Product information

DL splitter attenuators in a square 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. To ensure secure installation, the splitter attenuator comes with a connector profile as standard.

Order code legend

Order code T-KB-KA-W-BxHxL-DS-DK-V-O	VDI 3803 (DS) pressure rating M – pressure class moderate, pressure range from -500 to +1,000 Pa H – pressure range high, pressure range from -750 to + 2,000 Pa
Type (T) KSD – absorption attenuator KSR – resonance attenuator K – single sound trap, absorption KR – single trap, resonance	DIN EN 16798-3 (DIN EN 1507) (DK) airtightness class ATC 4 (B)/ATC 3 (C)/ATC 2 (D)
Sound trap width (KB) 100 200 230 260 – KSD only 300 – KSD only 360 – KSD only	Connection (V) P20 P30 P40 – profile frame with corner bracket WF – corner flange, fixed
Nº of sound traps (KA) As per model	Optional (o) LB – perforated plate cover for sound traps P-RAL... – powder coating L-RAL... – painting RAL colour of choice
Material (M) GV – galvanised ALU – aluminium V2A – stainless steel V2A V4A – stainless steel V4A	Accessories (o) Clamping plate to connect multiple sound traps U-shaped cap to connect multiple sound traps
Opening in mm (WxH) W – width H – height Can be freely selected	

Example

Absorption attenuator with 200 mm sound traps, galvanised, B-900
H-600 L-1500

Order code

KSD200-3, 900x600x1500, H, ATC3

Technical data

Material

Galvanised steel
Aluminium
V2a stainless steel
V4a stainless steel

Pressure rating

-500 Pa/+1000 Pa
-750 Pa/+2000 Pa

Leakage class

ATC 4 (B), ATC 3 (C)

Dimensions

Width: min. 200 mm/max. on request
Height: min. 150 mm/max. on request
Length: up to 1,500 mm (one piece), above this multiple pieces

Recommended air velocity

8-12 m/s in the gaps between traps
Higher air velocities on request

Finish

Powder coating as per RAL
Wet painting as per RAL
NCS or D

Temperature resistance

-40° to +100 °C