DATASHEET SPLITTER SILENCERS

DOX Noise Control.
LESS NOISE. MORE HARMONY

PROPERTIES SPLITTER SILENCERS

Splitter silencers are working according the absorption principle. Splitters are protected by a special frame. Mineral wool is covered with a fiberglass cloth, offering excellent strength and resistance to erosion till an airspeed of max. 15 m/s.

The execution of the splitters is according your design standers. Every splitter can be adjusted for a specific application area. For designing the perfect splitter for your application, we would like to receive the necessary information.

DIMENSIONS

Our splitter silencers are tailor made. Dimensions are specified by the costumer.

SPLITTER FRAME

Material sendzimir galvanised sheet steel, suitable for temperatures unto max. 170˚C. Execution in SST (304 / 316) or AlMg3 is also possible.

MINERAL WOOL

Splitters are filled with mineral wool. This material is inert, non-hygroscopic, vermin proof, does not support bacteriological growth and has a Class 1 rating for surface spread of flame measured to BS 476 (Part 7, 1971). For airspeed above 15 m/s a perforated plate is applied.

NOISE LEVELS

Insertion loss is depending on the dimensions of the splitters in combination with the amount of splitters and duct dimensions. Insertion loss can be calculated after receiving this information.

AIRFLOW

Splitter silencers can be provided with aerodynamically shaped profiles. The result of this is an notable drop in pressure lost. For a pressure lost calculation the amount of air, medium, temperature, dimensions of the duct and the selection of the splitters need to be provided.

Noise levels from the flow generated noise is depending on the amount of air, medium and the humidity. Flow generated noise can be calculated after receiving this information.