SILENCER Z

Our Z silencers are specially developed for heavy industrial applications. Strict requirements are set in constructing the product so that the dampers are built exactly to match the customer’s specifications. There can be chosen from different materials and implementations.

APPLICATIONS
A lot of processes in heavy industry produce a significant amount of noise. Merford has developed the Z silencer specially for these kinds of applications. This type of silencer, round or rectangular, can be constructed to handle the specified noise requirements for each noise spectrum.

SOUND ATTENUATION
The actual sound reduction is variable and can be selected to satisfy the situation. Depending on the situation and frequency, attenuation values up to 50 dB can be reached.

DIMENSIONS
The silencer dimensions are dependent on the application and customer specifications.

COMPOSITION
The dampers consist of a steel housing and are fitted on both sides with flanges. Another option is a stainless steel implementation or an enameled finish. The wings placed in the housing are designed so that the pressure loss is kept to a minimum. The acoustic filling and finish can be chosen in correspondence with your application and are covered with an acoustic transparent protection in the form of a fibreglass cloth and/or metal grid.

FEATURES
- The dampers are fire safe. The absorption material is not flammable in conformance with DIN 4102 A2.
- The absorption materials are moisture proof and rot resistant.
- The acoustic filling is protected against high air speeds.
- Utilizable up to a maximum temperature of 400°C.

APPLICATIONS
- Chemical processes
- (Heavy) industry

SOUND PROOFING
Airborne sound insulation values measured with ISO 140-3 and calculated conform ISO-717-1
SILENCER Z

Custom-work solution consisting of sound-absorbing wings including load bearing construction for chimney

Silencer Z implemented in stainless steel for use in the chemical industry

OPTIONS
The Z silencer can be delivered with:
- Horizontal and vertical suction/exhaust valves.
- Supports and/or steel construction
- Thermal insulation.
- Access/inspection hatches.

GUARANTEE
Merford Noise Control provides you with a guaranteed custom-made solution. Please contact our sales department for more information.

DISCLAIMER
Although this product sheet is drawn up meticulously, no right can be derived from its content. We reserve the right to make changes. For the most up-to-date version, please contact our sales department or visit our website.