



Type MTHDS Blow-off silencer

Application

The TIO blow-off silencers type MTHDS can be installed in the blow-off ducting for almost any application and medium. The MTHDS silencer gives an excellent attenuation over a wide frequency range.

Design

The acoustical performance of the silencer type MTHDS is based on the absorption principal. The main part of the silencer is filled with highly efficient sound absorbing mineral wool. In this mineral wool the noise energy is transmitted into heat.

Before reaching the absorption part of the silencer, the medium passes through a diffuser part. The diffuser part is built-up out of several perforated tubes.

Attenuation

The average attenuation is depending on the dimension of the silencer. The MTHDS silencer is designed on project base.

Gas velocity

The maximum allowable gas velocity is depending a.o. on the noise requirement.

Pressure loss

Depending on the silencer configuration

Temperature

Maximum : 600 °C.

Special designs are available for higher temperatures.

Material

Depending on the application.

TIO standard stock materials are CS S235JRG2, SS 1.4571 and SS 4301, acoustical mineral wool. Other materials are optional.

Insulation

In order to avoid that noise radiation from the body of the silencer influences the required noise level, it is recommended to insulate the silencer acoustically. As the body temperature is more or less the same as the medium temperature, it is also recommended to insulate the silencer thermally.

Paint

Standard one layer of zinc phosphate primer. Other painting systems are optional

Installation

Silencer type MTHDS may be installed vertically, horizontally or in any position close to the end of the ducting. Executions with a built-in raincap are suitable for vertical installation only.

Options

For in- and outlet, special connections are available. Design conform almost any code possible (PED, EN, ASME etc)



Parallelweg 9 2921 LE • Postbus 701 2920 CA • Krimpen aan den IJssel Nederland
T 0180 514 055 • F 0180 517 264 • E info@tiobv.nl • www.tiobv.nl