

**TRANSLATION FROM  
GERMAN-LANGUAGE ORIGINAL**

Langen, April 30, 2018/DW

**Evaluation of Series (D)5500 MUFFL-AIR® Silencers with Regard to  
their Relevance for Explosion Protection Directive 2014/34/EU**

These silencers are devices having no potential ignition sources, on condition that they are operated in accordance with their defined specifications. These devices/ components do not fall under Explosion Protection Directive 94/9/EG, and therefore are not subject to the application sphere of this Directive.

The Series MUFFL-AIR® silencers can be used in Zone 1 (G) / Zone 21 (D) as well as in Zone 2 (G) / Zone 22 (D).

For explosive gas environments, it is important to make sure that exhausting gas blending with the atmosphere will not give rise to an ignitable gas atmosphere.

For explosive dust environments, it is important to make sure that exhausting gas will not cause dust dispersals that might form potentially ignitable dust clouds.

The silencer housing is made of aluminum, with a magnesium share <7,5%.

The silencers must be protected from external impact, friction and other spark-producing incidents. Chemical substances may damage the surface. Install the device in such a way that it is protected against chemical influences.

The silencers must be integrated in the potential equalization of the overall system.

Maximum surface temperature of the silencers is solely defined by the media and ambient temperatures. Silencers are not self-heating.

This Certificate is valid from April 27, 2015, through April 30, 2019.

This Certificate is valid for the following silencer models only:

(D)5500A1003, (D)5500A2003, (D)5500A3013, (D)5500A3003, (D)5500A4003,  
(D)5500A5013, (D)5500A5003, (D)5500A6003, (D)5500A7013, (D)5500A7001,  
(D)5500A8001, (D)5500B9001, (D)5500A9002



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