



# Installation Instructions Flue Gas Silencer AGT

(As of 10/2006)

## Areas of application

The OEG flue gas silencers are suitable for all regulated heating appliances in positive pressure and negative pressure operation, up to a flue gas temperature of 200°C.

## Safety instructions

**During installation, applicable laws, guidelines, regulations and standards must be observed. Installation may only be carried out by competent persons.**

**The resistance coefficients ( $\zeta$ -value) of the silencers are to be integrated into the chimney cross section calculation in order to use it to verify the trouble-free operation of the flue gas system. The resistance coefficients can be found in the “Dimensions and technical data” table on the reverse.**

## Assembly

The flue gas silencers are part of the flue connector (flue gas pipe) in the flue gas system. Assembly should take place as close as possible to the heating appliance, i.e. the noise source, in order to avoid intensification of noise in the downstream flue gas system. Silencers should be installed in front of a possibly existing draught regulator.

The silencers are to be installed in the flue gas system, such that a free discharge sleeve is ensured in the case of condensate occurring. The discharge sleeve must be professionally connected!

The conventional installation position of this flue gas silencers is horizontal (see diagram on the reverse). If necessary, it can also be installed diagonally or vertically.

For inspection and cleaning, the upper gripper band can be unfastened and the lid removed with the centre connecting link. We recommend consulting with the responsible local master chimney sweep.

It must be checked by the technician on site, whether the silencers need to be statically secured. This also applies to all installation locations, e.g. in the flue pipe. The silencers must always be suspended or supported separately from the rest of the flue gas system. Suspension or fastening must always take place using the outer wall.

## Maintenance

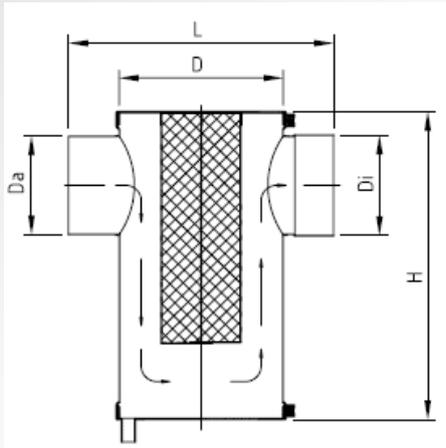
Silencers are to be inspected during annual heating maintenance, where they are to be subjected to an internal and external visual inspection.

## Structure of the silencers

The connecting links consist of perforated metal plates and glass fleece as a covering for the mineral damping material underneath.

## Dimensions and technical data for the OEG flue gas silencers AGT

Type	AGT 130	AGT 150	AGT 180
Internal diameter $D_i$ (mm)	130	150	180
External diameter $D_a$ (mm)	129	149	179
Wall diameter $D$ (mm)	210	250	250
Total height $H$ (mm)	410	460	460
Total length $L$ (mm)	340	430	430
Resistance coefficients ( $\zeta$ -value)	6.6	5.8	8.7



Material	Stainless steel 1.4571 / 1.4404
Material thickness	0.6 mm
Discharge sleeve	Ø 18 mm outside, Length 50 mm
Max. flue gas temperature	200 °C
Impervious to positive pressure	up to 1000 Pa
Usable length	= L - 50mm
Connector supports according to DIN 1298	

## Sound level reduction

Insertion loss in line with DIN EN ISO 7235.

Frequency in Hertz	AGT 130	AGT 150	AGT 180
63	2.5	2.3	1.1
125	3.0	3.5	2.1
250	10.8	11.2	8.3
500	14.5	19.0	17.8
1000	21.4	20.7	21.1
2000	30.1	30.0	29.1
4000	29.8	31.2	28.5
8000	26.9	17.7	23.5



OEG Oel- und Gasfeuerungsbedarf  
Handelsgesellschaft m.b.H.  
D-49536 Lienen

Tel.: 00800-63 43 66 24  
Fax: 00800-63 43 29 24  
(free service numbers)  
E-mail: [info@oeg.net](mailto:info@oeg.net)  
Internet: [www.oeg.net](http://www.oeg.net)