

APPROVAL CERTIFICATE

This is to certify, that the undernoted products have been approved in accordance with the relevant requirements of the DNV GL Approval System.

Certificate No. **11 795 - 10 HH**

Company **eka-edelstahlkamine gmbH**
Robert - Bosch - Str. 4
95369 Untersteinach, GERMANY

Product **Exhaust Gas System**

Type **complex Europ D (double wall)**
complex Europ E (single wall)

Technical Data /
 Application

TECHNICAL DATA

Materials: Inner pipe **AISI 316L/316Ti/304H**
(1.4404, 1.4571, 1.4948)

Outer pipe **AISI 304 (1.4301), AISI 316L/316Ti**
(1.4404, 1.4571)

Thickness **0.6mm (minimum) outside, 1,0 mm inside**

Insulation: **Type approved pre-formed mineral fibre**
Min. thickness 50 mm
Min. density 90 kg/m³

Sealing Materials: **Asplit (up to 600°C)**
Silicone (up to 200°C)

Size range : **150 mm up to 1000 mm**

M.A.W.P. / M.A.W.T. : **5000 Pa / 600 °C**

Range of Application:
 The piping systems of type complex medi are approved for the use as exhaust gas lines on boilers and diesel engines (downstream of turbochargers).

Approval Standard **DIN EN 1856-1: 2003, DIN EN 1859: 2000, DIN EN 13216-1:2004**

Documents

- Test reports : TÜV SÜD Test Report no.: A 1812-00/09, dated: 02.09.2009
- TÜV SÜD Audit-Report No.: Ü 1540-06/14, dated: 10.12.2014
- Drawings of piping systems, technical data sheet of sealing material and installation instructions
- DNV GL:Ref.No.: 15-057610

Remarks **For penetration of fire divisions DNV GL type approved pipe penetrations are to be used.**

Valid until **2020-08-20**

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Hamburg, 2015-08-13

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PRODUCTION PLACE

eka-edelstahlkamine gmbh
Robert - Bosch - Str. 4
95369 Untersteinach
GERMANY

MARKING

Each device shall bear legible and durable marking on the body or on a plate fixed securely to the body as follows:

• Manufacturer`s Mark • Identity Number • Nominal Diameter • DNV GL Certificate No. •

REMARKS / LIMITATIONS

• The selection of the Exhaust Gas System for the corresponding application and the right installation are to be in accordance with the instructions of the manufacturer.

Valid until **2020-08-20**

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Hamburg, 2015-08-13

DNV GL

www.dnvgl.com


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