

[1] **EC-TYPE EXAMINATION CERTIFICATE**

according to Directive 94/9/EC, Annex III

- Translation -



[2] Equipment and Protective Systems intended for use
in Potentially Explosive Atmospheres, Directive 94/9/EC

[3] EC-Type Examination Certificate Number: **IBExU12ATEX2171 X**

[4] Protective system: **In-line detonation flame arrester**
GROTH Type 7758A-DNxEG-35-...

| Size of flange connection DN (inch) | Size of flange connection DN (mm) | Element size (EG) (inch) | Element size (EG) (mm) | Operat. pressure p _o up to bar (absolute) / PSIA |
|---|---|--------------------------------|------------------------------|---|
| 4", 6", 8" | 100, 150, 200 | 20" | 500 | 1.188 / 17.2 |

[5] Manufacturer: Groth Corporation

[6] Address: 13650 North Promenade Blvd.
Stafford, TX 77477
USA

[7] The design of the protective system mentioned in [4] and any acceptable variations thereto are specified in the schedule to this EC-Type Examination Certificate.

[8] IBExU Institut für Sicherheitstechnik GmbH, NOTIFIED BODY number 0637 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that the protective system mentioned in [4] has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The test results are recorded in the Test Report IB-12-2-057/2 of 24 November 2012.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN ISO 16852:2010 and EN 1127-1:2011.

[10] If the sign "X" is placed after the certificate number, it indicates that the protective system is subject to special conditions for safe use specified in [17] in the schedule to this EC-Type Examination Certificate.

[11] This EC-Type Examination Certificate relates only to the design and construction of the specified protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this protective system.

IBExU Institut für Sicherheitstechnik GmbH
An-Institut der TU Bergakademie Freiberg

[12] The marking of the protective system mentioned in [4] shall include the following:

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IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7 - 09599 Freiberg, Germany
☎ +49 (0) 3731 3805-0 - ☎ +49 (0) 3731 23650

Authorized for certifications
- Explosion protection -

Freiberg, 26 November 2012

By order


(Dipl.-Ing. Willamowski)



Certificates without signature and seal are not valid.
Certificates may only be duplicated completely and unchanged.
In case of dispute, the German text shall prevail.

Schedule