



(1) **EC-TYPE-EXAMINATION CERTIFICATE
(Translation)**

(2) -Directive 94/9/EC-
Equipment intended for use in Potentially Explosive Atmospheres



(3) **No. FSA 05 ATEX 1554 X**

(4)

WEY® Knife Gate Valve

of the company

(5)

SISTAG Absperrtechnik

(6)

CH-6274 Eschenbach

(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) FSA GmbH Certification Service, notified body number 0588 in accordance with article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the test report numbers G-15-04 0020 P and G-15-0504 Z.

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 1127-1, EN 13463-1, VDI 2263 Blatt 3

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC type-examination certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the equipment shall include the following:

CE₀₅₈₈

Ex II 1GD IIA (inside)

Ex II 2GD IIB (outside)

FSA 05 ATEX 1554 X



Mannheim, 22. 06. 2005

F. Hauer

Manager notified body

A. Hoyer

Certificate provider

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(13)

Schedule

(14) EC-TYPE-EXAMINATION CERTIFICATE

No. FSA 05 ATEX 1554 X



(15)

WEY® Knife Gate Valve

The WEY® Knife Gate Valve is a valve for the installation into a pipe system or to be mounted to a flange as an end of line valve. It consists of a two part body and a guided gate, which is operated transversely to the pipe axis. Between the body and gate, elastomer seals (such as NBR, EPDM, FPM, PTFE) or a ceramic fibre seals assure tight shut-off. All valves are equipped with an actuator (manual, pneumatic, hydraulic or electric) in order to operate the valve under pressure. The following ranges are covered by this certificate:

- MFA-Ex (manual actuator)
- MFC-Ex (pneumatic cylinder actuator)
- MFE-Ex (electric motor actuator)
- MFH-Ex (hydraulic cylinder actuator)

Further the following types are part of the certificate MG*-Ex, VN*-Ex, VS*-Ex, VL*-Ex, AO*-Ex, A1*-Ex and A3*-Ex.

These valves are manufactured in the following sizes: DN50, DN65, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400, DN450, DN500, DN600, DN700, DN800, DN900, DN1000, DN1200 and DN1400.

(16) Test report no. G-15-04 0020 P consists of 7 pages and an annex. Test report no. G-15-05 04 Z consists of 19 pages and contains 0 drawings.

(17) **Special conditions for safe use:**

With suitable measures for equipotential, hazardous electrostatic loading of the valve must be avoided.

The maximum temperature of the valve is determined upon the temperature of the fluid in consideration. The ignition and glow temperatures of the considered inflammable substances must remain below the limits with respective safety margin.

Isolating coatings must not exceed a thickness of 2 mm and must be below the electrical disruptive strength of 4 kV.

The valve category in external area may vary depending on the mounted components. The category of the respective valve is defined according to the lowest category for all accessories / components (e.g. solenoid valves, actuators, etc.) in respect to the Directive 94/9/EC but not higher than 2GD.

(18) **Essential Health and Safety Requirements:**

Are met by compliance of the aforementioned regulations in (9).

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1st addendum (translation)

according to Directive 94/9/EC Annex III, section 6 of the

EC-Type Examination Certificate

No. FSA 05 ATEX 1554 X



WEY® Knife Gate Valve

of the company

**SISTAG Absperrtechnik
CH-6274 Eschenbach**

Description of the addendum:

The range of WEY® Knife Gate Valves has been supplemented by types:

SL*-Ex and VK*-EX

The range of WEY® Knife Gate Valves has further been verified to meet the requirements of zero ignition source according the category 1G for indoor installations for gases and solvents of the explosion group IIB instead of IIA. The results are recorded in the 1St addendum to test report G15-05 0504 Z.

The EC Type-Examination Certificate for the WEY® Knife Gate Valves can be supplemented for the Explosion Group IIB for inside area. All other details remain unchanged also for this 1st addendum.

The marking of the valve shall include the following:

⊕ II 1GD IIB (inside)

⊕ II 2GD IIB (outside)

FSA 05 ATEX 1554 X



Mannheim, 06. 10. 2006

T. Haust

Manager Notified body

A. Aouf

Certificate provider

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2nd addendum (translation)

according to Directive 94/9/EC Annex III, section 6 of the

EC-Type Examination Certificate

No. FSA 05 ATEX 1554 X



WEY® Knife Gate Valve

of the company

**SISTAG Absperrtechnik
CH-6274 Eschenbach**

Description of the addendum:

The WEY® Knife Gate Valve was checked to satisfy the directive 94/9/EC in consideration to changes in the harmonized standards.

FSA GmbH Certification Service, notified body number 0588 in accordance with article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with the following documents:

DIN EN 1127-1 : 2008-2, DIN EN 13463-1 : 2009-07, DIN EN 14460 : 2007-07

Mannheim, 04. March 2010



(Prof. Dr. S. Radandt)
Manager notified body

(Dr. A. Arnold)
Certificate provider

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