

Translation

(1) **EC-Type Examination Certificate**

TÜV NORD

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres
- **Directive 94/9/EC**



- (3) EC-Type Examination Certificate Number

TÜV 05 ATEX 2820

- (4) Equipment: **high-level sensor SEPARIX-T L or SEPARIX-T H**
(5) Manufacturer: **FAFNIR GmbH**
(6) Address: **Bahrenfelder Strasse 19, D-22765 Hamburg**

- (7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

- (8) The TÜV NORD CERT GmbH & Co. KG, TÜV CERT-Certification Body, notified body number N° 0032 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential report N° 05 YEX 551985-6.

- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50 014:1997+A1+A2 EN 50 020:2002 EN 50 284:1999

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system 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, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

- (12) The marking of the equipment or protective system must include the following:

 **II 1 G EEx ia IIB T3**

TÜV NORD CERT GmbH & Co. KG
Am TÜV 1
D-30519 Hannover
Tel.: +49 (0) 511 986-1455
Fax: +49 (0) 511 986-1590

Hanover, 2005-06-01

Head of the
Certification Body

This certificate may only be reproduced without any change, schedule included.
Excerpts or changes shall be allowed by the TÜV NORD CERT GmbH & Co. KG

(13) **SCHEDULE**

(14) **EC-Type Examination Certificate N° TÜV 05 ATEX 2820**

(15) Description of equipment

The high-level sensor SEPARIX-T L or SEPARIX-T H serves the purpose of detecting a build-up of liquid inside separators.

If the sensor is in liquid, it can no longer be heated up to a specific temperature because of the increased dissipation of heat, and an alarm signal is produced via the respective measuring transducer SEPARIX-Control T.

The ambient temperature range is -25 °C to +60 °C.

Electrical data

Signal and supply circuit (cable tail-end)	in the type of protection intrinsic safety EEx ia IIB only to be connected to certified intrinsically safe circuits with the following maximum values: $U_i = 30 \text{ V}$ $I_i = 200 \text{ mA}$ $P_i = 1.5 \text{ W}$
---	--

The effective inner capacitance and inductance are negligibly small.

(16) Test documents are listed in the test report N° 05 YEX 551985-6.

(17) Special conditions for safe use

none

(18) Essential Health and Safety Requirements

no additional ones