

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) **Certificate Number** TÜV 08 ATEX 554726 X
- (4) for the equipment: Bypass Level Indicator type BNA-S../.. EX
- (5) of the manufacturer: **Barksdale GmbH**
- (6) Address: Dorn-Assenheimer Str. 27
61203 Reichelsheim
- Order number: 8000554726
- Date of issue: 2008-12-19

- (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, notified body No. 0044 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 No. 08 203 554726.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 13 463-1:2001 **EN 13 463-5:2003**
- (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:

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TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, accredited by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the certification body

Schwedt

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(13) **SCHEDULE**

(14) **EC-Type Examination Certificate No. TÜV 08 ATEX 554726 X**

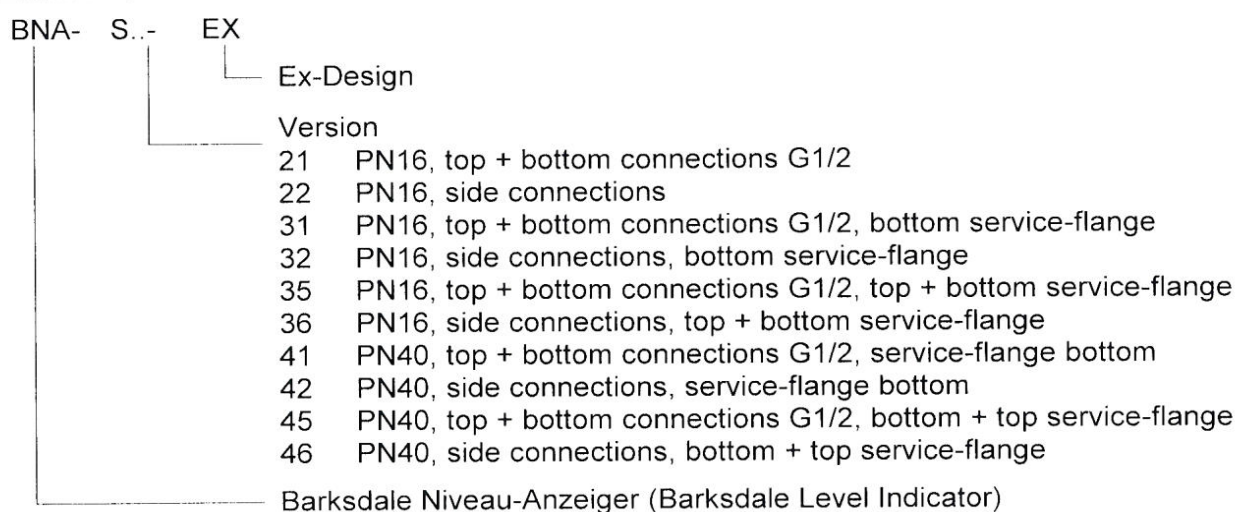
(15) Description of equipment

The Bypass Level Indicator type BNA-S../.. EX is used for indication of liquid levels in tanks.

The above mentioned equipment consists of a guide tube with float and an indication rail with freely moving indicator elements. The above mentioned equipment is connected with the tank by side or top and bottom connections and can be designed with service-flanges.

A permanent magnet, mounted within the head of the float, actuates the indicator elements and indicates the consistent liquid level.

Type code



Technical data

Range of permitted ambient temperature	-20 °C to 60 °C
Range of permitted process pressure in presence of potentially explosive atmosphere	0.8 to 1.1 bar absolute
Max. flow rate	1 m/s

(16) Test documents are listed in the test report No. 08 203 554726.

(17) Special conditions for safe use

Because of the equipment is no heat source according to EN 13463-1, section 14.2 g the equipment is not marked with a temperature class. The maximum surface temperature depends on the medium temperature.

(18) Essential Health and Safety Requirements

no additional ones