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Certificate of Conformity

- (1)
- (2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**
- (3) Certificate Number

EPS 22 ATEX 1 277 X

Revision 0

- (4) Equipment: Massflowmeter (MFM) / Massflowcontroller (MFC)
type: 8742 und 8746
- (5) Manufacturer: Bürkert Werke GmbH & Co. KG
- (6) Address: Christian-Bürkert-Straße 13-17
74653 Ingelfingen
Germany
- (7) This equipment and any acceptable variation thereto are specified in the annex to this Certificate of Conformity and the documentation therein referred to.
- (8) Bureau Veritas Consumer Products Services Germany GmbH certifies based on a voluntary assessment that this equipment 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 of the Directive 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 22TH0435.
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018

**EN 60079-7:2015,
EN IEC 60079-7:2015/A1:2018**

IEC 60079-31:2022

- (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 annex to this certificate.
- (11) This Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.
- (12) The marking of the equipment shall include the following:



II 3G Ex ec IIC T4 Gc
II 3D Ex tc IIIC T135°C Dc



Certification department of explosion protection

Tuerkheim, 2023-08-22

Ulrich Feike



Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.



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(13)

Annex

(14) **Certificate of Conformity EPS 22 ATEX 1 277 X**

Revision 0

(15) Description of equipment:

The device types 8742 and 8746 are available in two versions: as mass flow meter (MFM) and as mass flow controller (MFC). Both versions have an integrated sensor that measures the mass flow. This value is either provided via an output signal (field bus or analog) (MFM) or serves as an input variable for controlling an integrated proportional valve (MFC).

The complete type-code of the device types 8742/8746 ends with "PX70" for the ATEX-types.

Electrical data:

Supply voltage: 24 V DC ($\pm 10\%$)

(16) Reference number: 22TH0435

(17) Special conditions for safe use:

Danger of electrostatic charges, see supplementary operating instructions 1000292136.

Ambient temperature range: $-10\text{ }^{\circ}\text{C}$... $+50\text{ }^{\circ}\text{C}$.

(18) Essential health and safety requirements:

Met by compliance with standards.

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