



# IECEX Certificate of Conformity

**INTERNATIONAL ELECTROTECHNICAL COMMISSION**  
**IEC Certification System for Explosive Atmospheres**  
for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX EPS 22.0066X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2023-12-16  
Applicant: **Bürkert Werke GmbH & Co. KG**  
Christian-Bürkert-Straße 13-17  
74653 Ingelfingen  
Germany  
Equipment: **mass flow controller (MFC) / mass flow meter (MFM) type 8742 and 8746**  
Optional accessory:  
Type of Protection: **increased safety "e" and protection by enclosures "t"**  
Marking: Ex ec IIC T4 Gc  
Ex tc IIIC T135°C Dc

Approved for issue on behalf of the IECEx  
Certification Body:

Position:

Signature:  
(for printed version)

Date:  
(for printed version)



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Bureau Veritas Consumer Products Services Germany GmbH**  
Businesspark A96  
86842 Türkheim  
Germany





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Manufacturer: **BÜRKERT SAS**  
20 Rue du Giessen  
TRIEMBACH AU VAL 67220  
France

Manufacturing locations: **BÜRKERT SAS**  
20 Rue du Giessen  
TRIEMBACH AU VAL 67220  
France

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-31:2022** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:3.0

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/EPS/ExTR22.0060/00](#)

Quality Assessment Report:

[DE/PTB/QAR07.0002/12](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

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 Ex-types.

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

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

Risk of electrostatic charges; refer to manufacturer's instructions.

Ambient temperature range: -10 °C ... +50 °C.