



# 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 SEV 23.0029X** Page 1 of 4 [Certificate history:](#)  
Status: **Current** Issue No: 1 [Issue 0 \(2024-01-15\)](#)  
Date of Issue: 2024-04-04  
Applicant: **Camfil AB**  
Industrigatan 29  
Trosa 61933  
Sweden  
Equipment: **Hi-Flo pocket air filter**  
Optional accessory:  
Type of Protection: **h**  
Marking: Ex h IIC Gb  
Ex h IIIB Db

Approved for issue on behalf of the IECEx  
Certification Body:

**Thomas Köhntopp**

Position:

**Manager Product Certification**

Signature:  
(for printed version)

Date:  
(for printed version)

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Certificate issued by:

**Eurofins Electric & Electronic Product Testing AG**  
Luppenstrasse 3  
8320 FEHRALTORF .  
Switzerland



E&E



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Manufacturer: **Camfil s.r.o.**  
Priemyselny park Géňa  
UL. E. Sachsa 8  
934 01 Levice  
**Slovakia**

Manufacturing  
locations:

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

**ISO 80079-36:2016** Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements  
Edition:1.0

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:

[CH/SEV/ExTR23.0032/01](#)

Quality Assessment Report:

[CH/SEV/QAR22.0005/01](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Hi-Flo EX GS 0160 pocket air filters from Camfil's Hi-Flo product line, are exclusively intended for filtering solid particles and dust particles of any type and size from the air in air conditioning systems.

The air to be filtered may be contaminated with foreign matter that cause the environment to be classified as as potentially explosive according to IEC 80079-36:2016 (gas, vapour, mists, dust and mixes of the before mentioned).

The filter is made out of glass fiber bags or pockets with a metal frame (stainless steel or zinc-plated sheet steel).

The number of bags is 3 to 15. The dimensions of the frame are given in the product types below.

Ratings:

Maximum pressure drop: 500 Pa

Example of a product name: **Hi-Flo EX GS 0160 592x592x520-10-25**

**Hi-Flo:** product name

**EX:** refers to the IECEx certification

**GS:** Refers to the frame material. Can be galvanized steel (GS) or stainless steel (SS)

0160: refers to the particle efficiency of the media according to ISO16890. Possible options are:

1060: ePM10 60%

2550: ePM2.5 50%

0160: ePM1 60%

0170: ePM1 70%

0185: ePM1 85%

**592:** width of the filter. Limits are 150 mm to 1000 mm

**592:** height of the filter. Limits are 150 mm to 1000 mm

**520:** bag length of the filter. Limits are 100 mm to 1000 mm

**10:** amount of bags. Limits are 3-15 bags

**25:** depth of the header frame. Can be 25 mm or 20 mm

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

- The frame must be earthed.
- At the time of exchange of the filter, no explosive atmosphere is permitted.
- Dust atmospheres with an ignition protection energy < 3 mJ are not permitted.
- The air speed must not exceed 4 m/s.
- Hibrid mixtures are not allowed.
- For application in explosive atmospheres gas group IIC, the air velocity and pressure drop must be monitored to reduce the risk of hazard.

## Additional Notes:

Prior to installation (unpacking) or deinstallation of the Hi-Flo EX GS 0160 the operator must be free from electrostatic charging (risk of sparking).



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

The product type code is modified.