



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

Certificate No.: **IECEx FMG 11.0001X**

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Certificate history:

Status: **Current**

Issue No: 9

[Issue 8 \(2024-01-23\)](#)

[Issue 7 \(2022-04-05\)](#)

[Issue 6 \(2020-04-21\)](#)

[Issue 5 \(2019-10-09\)](#)

[Issue 4 \(2017-11-30\)](#)

[Issue 3 \(2017-01-25\)](#)

[Issue 2 \(2016-02-19\)](#)

[Issue 1 \(2013-11-19\)](#)

[Issue 0 \(2011-02-09\)](#)

Date of Issue: 2024-04-15

Applicant: **Valmet Flow Control Inc (MN).**
26271 US Hwy 59,
Fergus Falls MN 56537
United States of America

Equipment: **Stonel Quartz QX and QC Series Valve Position Monitor**

Optional accessory:

Type of Protection: **Ex db IIC T5 Ta* Gb; Ex db IIC T6 Ta* Gb; Ex tb IIIC T85°C Db, Ex tb IIIC T100°C Db**

Marking: **IECEx FMG 11.0001X**

Ex db IIC T5 Gb Ta = -55°C to +80°C; IP66

Ex db IIC T5 Gb Ta = -40°C to +80°C; IP66 IP67

Ex db IIC T5 Gb Ta = -25°C to +80°C; IP66 IP67 (_B and _N sensors)

Ex tb IIIC T100°C Db Ta = -40°C to +80°C; IP66 IP67

Ex tb IIIC T100°C Db Ta = -25°C to +80°C; IP66 IP67 (_B and _N sensors)

Ex db IIC T6 Gb Ta = -55°C to +65°C; IP66

Ex db IIC T6 Gb Ta = -40°C to +65°C; IP66 IP67

Ex db IIC T6 Gb Ta = -25°C to +70°C; IP66 IP67 (_E and _F sensors)

Ex db IIC T6 Gb Ta = -25°C to +65°C; IP66 IP67 (_B and _N sensors)

Ex tb IIIC T85°C Db Ta = -25°C to +70°C; IP66 IP67 (_E and _F sensors)

Approved for issue on behalf of the IECEx
Certification Body:

J. E. Marquedant

Position:

VP, Manager - Electrical Systems

Signature:
(for printed version)

Date:
(for printed version)

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Certificate issued by:

FM Approvals LLC
One Technology Way
Norwood MA 02062
United States of America





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Manufacturer: **Valmet Flow Control Inc (MN).**
26271 US Hwy 59,
Fergus Falls MN 56537
United States of America

Manufacturing
locations: **Valmet Flow Control Oy**
Vanha Porvoontie 229
Vantaa FI-01380
Finland

Valmet Flow Control (Jiaxing)
Co.,Ltd
No.1022, Fenghua Road
Economic & Technology Development
Zone
Jiaxing City Zhejiang Province
China

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 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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

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 Reports:

US/FMG/ExTR11.0001/00
US/FMG/ExTR11.0001/03
US/FMG/ExTR11.0001/06
US/FMG/ExTR11.0001/09

US/FMG/ExTR11.0001/01
US/FMG/ExTR11.0001/04
US/FMG/ExTR11.0001/07

US/FMG/ExTR11.0001/02
US/FMG/ExTR11.0001/05
US/FMG/ExTR11.0001/08

Quality Assessment Reports:

GB/FME/QAR20.0004/03

NO/DNV/QAR09.0008/15



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

QXabcdefg. Valve Position Monitor

a = Function 2A, 4A, 5A, 7A, BA, CA, TA, 2B, 2J, 4J, 5J, 7J, BJ, CJ, 2M, 4M, 5M, 7M, BM, CM, 2N, 4N, 5N, 6N, 7N, BN, CN, TN, 2V, 4V, 5V, 6V, 7V, BV, CV, TV, 8V, 2W, 4W, 5W, 6W, 7W, 8W, BW, CW, TW, 14, 2P, 4P, 5P, 7P, BP, CP, 2L, 4L, 5L, 7L, BL, CL, 2H, 4H, 5H, 7H, 8H, BH, CH, 2S, 4S, 5S, 7S, BS, CS, 2G, 4G, 5G, 7G, BG, CG, 2E, 4E, 5E, 7E, BE, CE, TE, 2F, 4F, 5F, 7F, BF, CF, TF, 53, 35, 5T, 7T, BT, CT, TT, 45, 5R, 7R, BR, CR, TR, 92, 93, 96, 97, 5O, 7O, TO, BO, CO, 4X, 6X.

b = Enclosure K, N, R, or T.

c = Junction 02, 03, 05 or 06.

d = Shaft output X, S, N, or H.

e = Visual Indicator R, G, C, 1, 2, 3, 4, 5, X, N, D, A, S, T, U, V, W, or 0.

f = Branding A or M.

g = Options: A dash symbol (-) followed with up to 5 alpha or numeric identification digits after model number for special and marketing purposes. Option digits are not normally applied.

Note: 'Options' do not affect the integrity of the housing, the electrical safety, or the title plate.

QCabcdefg. Valve Position Monitor

a = Function 2V, 4V, 2W, 4W, 35, or 45.

b = Enclosure K, N, R, or T.

c = Junction 03 or 06.

d = Shaft output X, S, N, or H.

e = Visual Indicator R, G, C, 1, 2, 3, 4, 5, X, N, D, A, S, T, U, V, W, or 0.

f = Branding A or M.

g = Options: A dash symbol (-) followed with up to 5 alpha or numeric identification digits after model number for special and marketing purposes. Option digits are not normally applied.

Note: 'Options' do not affect the integrity of the housing, the electrical safety, or the title plate.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. To minimize the risk of electrostatic sparking, the equipment shall be cleaned only with a damp cloth.
2. Consult the manufacturer if dimensional information on the flameproof joints is necessary.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Documentation and option code updates.