



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX FME 07.0001X	Issue No: 8	<u>Certificate history:</u>
Status:	Current	Page 1 of 4	Issue No. 8 (2017-05-05)
Date of Issue:	2017-05-05		Issue No. 7 (2016-12-07)
Applicant:	Flowserve US Inc 1350 North Mountain Springs Parkway Springville, UT 84663 United States of America		Issue No. 6 (2016-11-29)
Equipment:	Logix 3400MD & Logix 3400IQ Series Digital Valve Positioner		Issue No. 5 (2016-03-10)
<i>Optional accessory:</i>			Issue No. 4 (2015-09-03)
Type of Protection:	Intrinsic Safety 'i'		Issue No. 3 (2012-01-11)
Marking:	Ex ia IIC T4, Ta = -52°C to 80°C, T6, Ta = -52°C to 40°C Ga Ex ic nA IIC T4, Ta = -52°C to 80°C, T6, Ta = -52°C to 40°C Gc Ex ia III C T95°C Ta = -52°C to 55°C Da Energy Limitation Parameters: Ui = 24V, Ii = 250 mA, Pi = 1.2 W, Ci = 3300 pF, Li = 10 uH FISCO Parameters: Ui = 17.5V, Ii = 380 mA, Pi = 5.32 W, Ci = 3300 pF, Li = 10 uH		Issue No. 2 (2010-06-09)
			Issue No. 1 (2008-09-24)
			Issue No. 0 (2007-09-07)

Approved for issue on behalf of the IECEx
Certification Body:

Mick Gower

Position:

Certification Manager

Signature:
(for printed version)

Date:

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

FM Approvals Ltd
1 Windsor Dials
SL4 1RS Windsor
United Kingdom



Member of the FM Global Group



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Certificate No: IECEx FME 07.0001X Issue No: 8
Date of Issue: 2017-05-05 Page 2 of 4
Manufacturer: **Flowsolve US Inc**
1350 North Mountain Springs Parkway
Springville, UT 84663
United States of America

Additional Manufacturing location(s):

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 electrical apparatus 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:

*This Certificate **does not** indicate compliance with electrical 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:

GB/FME/ExTR07.0001/00	GB/FME/ExTR07.0001/01	GB/FME/ExTR07.0001/02
GB/FME/ExTR07.0001/03	GB/FME/ExTR07.0001/04	GB/FME/ExTR07.0001/05
GB/FME/ExTR07.0001/06	GB/FME/ExTR07.0001/07	GB/FME/ExTR07.0001/08

Quality Assessment Report:

[GB/FME/QAR16.0006/01](#)



IECEx Certificate of Conformity

Certificate No: IECEx FME 07.0001X

Issue No: 8

Date of Issue: 2017-05-05

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

34abccdefg40h00. Logix 3400IQ/MD Digital Valve Positioner

a = Diagnostics: 0, 1 or 2

b = Enclosure: 0, 1, 2, 3, 4, or 5

cc = Software: IQ or MD

d = Certification: 33

e = Shaft: D6 or N6

f = Conduit entry: E or M

g = Action: 04, 03, 3P, 4V or 3V

h = Gauges: 0G, 0S, KG, KS, or 0U

i = Special options: 00 or SF

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. To prevent the risk of electrostatic sparking, the equipment's mechanical pressure gauges shall be cleaned only with a damp cloth.

2. When used within a Zone 0 location, cast-aluminum enclosures (Enclosure Options 0, 2, 3, 4, 5) shall be installed in such manner as to prevent the possibility of sparks resulting from friction or impact against the enclosure.

3. When used within a dust environment, the cable gland(s) used must be certified for a dust environment.



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Certificate No: IECEx FME 07.0001X

Issue No: 8

Date of Issue: 2017-05-05

Page 4 of 4

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

Updated lower ambient temperature range. Corrected model code option for Certification.