

CERTIFICATE OF CONFORMITY




- HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
- Certificate No:** FM16US0379
- Equipment:** IQT3 Electric Valve Actuator
(Type Reference and Name)
- Name of Listing Company:** Rotork Controls Ltd
- Address of Listing Company:** Brass Mill Ln
Bath BA1 3JQ
United Kingdom
- The examination and test results are recorded in confidential report number:

3049913 dated 28th July 2015
- FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Class 3600:2011, FM Class 3615:2006, FM Class 3616:2011, FM Class 3810:2005, ANSI/NEMA 250:2008
- If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
- This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
- Equipment Ratings:**

The Model IQT3 Electric Valve Actuators consisting of Types IQT, IQTF, IQTM and IQTFM are rated as Explosionproof for Class I, Division 1, Groups B, C and D or Groups C and D T4: Dust-ignitionproof for Class II, Division 1, Groups E, F and G T4 Hazardous (Classified) Locations, indoors and outdoors Type 4 or 6. The actuators are rated for an overall ambient temperature range of -50°C to +70°C. Ambient temperature range varies depending on the configuration. Electrical ratings are 200 to 600 Vac, 3Ø, 50 or 60 Hz; 110 to 240 ±10% Vac, 1Ø, 50 or 60 Hz, 24Vdc depending on configuration.

Certificate issued by:



J.E. Marquedant
Manager, Electrical Systems

5 April 2017

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC, 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
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11. The marking of the equipment shall include:

Class I, Division 1, Groups B, C, D or Groups C and D
Class II, Division 1, Groups E, F, G
Temperature Code T4
Tamb = -30°C to +70°C, -40°C to +70°C or -50°C to +40°C
Type 4 or 6

12. **Description of Equipment:**

IQTabc, IQT3 Electric Valve Actuator.
IQTFdbc, IQT3 Electric Valve Actuator.
IQTmabc, IQT3 Electric Valve Actuator.
IQTFMabc, IQT3 Electric Valve Actuator.
a = Size 125, 250, 500, 1000, 2000 or 3000.
b = Bases F05, FA05, F07, FA07, F10, FA10, F12, FA12, F14, FA14, F16, FA16, G0, G1, G2, G3.
c = Couplings A, B, B3, B4, C, D, E, Z, Z3, L, or T.
d = Size 50, 100, 125, 250, 500, 1000, 2000 or 3000.

Non-model code electrical options include:
Extra Alarm Relays, CPT, CTT, Folomatic, Network interface cards – Pakscan, Modbus, Profibus, Fieldbus Foundation, Devicenet.
With deep cover – Profibus disconnect applications or a wireless network PCB and associated External aerial enclosure.

13. **Specific Conditions of Use:**

None

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

16. **Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
28 th July 2015	Original Issue.
9 th November 2016	<u>Supplement 2:</u> Report Reference: – RR206960 dated 9 th November 2016 Description of the Change: Update certificate to add 24 Vdc rating previously Approved under RR206714.

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5 th April 2017	<u>Supplement 3:</u> Report Reference: – RR208355 dated 5 th April 2017 Description of the Change: Update certificate with IQT3000 and to add 36 Vdc rating..
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