

# CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** FM20US0020X
3. **Equipment:** YT-3700, YT-3750, YT-3701, YT-3702, YT-3703, Smart Valve Positioner.  
**(Type Reference and Name)**
4. **Name of Listing Company:** Rotork YTC Ltd
5. **Address of Listing Company:** 81, Hwanggeum-ro  
89 beon-gil Yangchon-eup  
Gimpo-si Gyeonggi-do  
415-843 Korea, Republic of
6. The examination and test results are recorded in confidential report number:  
  
PR453858 dated 7<sup>th</sup> July 2020
7. 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 3610:2015, FM Class 3611:2004, FM Class 3810:2005, ANSI/ISA 61010-1 (82.02.01): 2004, ANSI/ISA 60079-0:2009, ANSI/ISA 60079-11:2009, ANSI/ISA 60079-31: 2015  
ANSI/NEMA 250:2003, ANSI/IEC 60529:2004
8. 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.
9. 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.

**Certificate issued by:**

J.E. Marquedant  
VP, Manager - Electrical Systems

7 July 2020

Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://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  
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmapprovals.com](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

# SCHEDULE



Member of the FM Global Group

US Certificate Of Conformity No: FM20US00020X

10. Equipment Ratings:

Intrinsically Safe for Class I, II, III Division 1, Groups A, B, C, D, E, F, and G hazardous (classified) locations in accordance with drawing SKC-190612;

Nonincendive With Nonincendive Field Wiring Parameters for Class I, II, III, Division 2, Groups A, B, C, D, E, F, and G hazardous (classified) locations in accordance with drawing SKC-190612.

Intrinsically Safe for Class I, Zone 0, Group IIC and Zone 21 Group IIIC hazardous (classified) locations in accordance with drawing SKC-190612.

Type 4X and IP66 or IP54

11. The marking of the equipment shall include:

Class I, Div 1, Groups ABCD

Class I, Zone 0 AEx ia IIC

Class II/III, Div 1, Groups EFG

Class I, II, III, Div 2, Groups ABCDEFG

Zone 21 AEx tb IIIC T100C...T85C

NEMA Type 4X IP66 or IP54

AMBIENT TEMP: -40°C to 60°C (T5) / -40°C to 40°C (T6)

12. **Description of Equipment:**

***YT-3700abcLdRefghi, YT-3750abcLdRefghi, Smart Valve Positioner***

a = Motion Type; L, R, A or B

b = Acting Type; S or D

c = Explosion Proof: A or AG

d = Lever Type L: 0, 1, 2, 3, 4, 5 or 6

e = Lever Type R: 1, 2, 3, or 5

f = Conduit – Air Connection: 1, 2, 3, 4 or 5

g = Communication: 0 or 2

h = Option: 0, 1, 2 or 3

i = Operating Temp: S or L

***YT-3702abcLdRefghij, Smart Valve Positioner***

a = Motion Type; L or R

b = Acting Type; S or D

c = Explosion Proof: A or AG

d = Lever Type L: 1, 2, 3 or 4

e = Lever Type R: 5

f = Conduit – Air Connection: 1, 2, 3, 4 or 5

g = Communication: 2

h = Option: 0 or 1

i = Operating Temp: S or L

j = Cable Length : 1, 2, 3 or 4

***Specific Conditions of Use:***

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T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmaprovals.com](mailto:information@fmaprovals.com) [www.fmaprovals.com](http://www.fmaprovals.com)

# SCHEDULE



Member of the FM Global Group

US Certificate Of Conformity No: FM20US00020X

### ***YT-3703abcLdRefghi, Smart Valve Positioner***

- a = Motion Type; L or R
- b = Acting Type; S or D
- c = Explosion Proof: A or AG
- d = Lever Type L: 1, 2, 3 or 4
- e = Lever Type R: 1, 2, 3, 4 or 5
- f = Conduit – Air Connection: 1, 2, 3, 4 or 5
- g = Communication: 2
- h = Option: 0 or 1
- i = OperatingTemp: S or L

### ***YT-3701abcLdRefghij, Smart Valve Positioner***

- a = Motion Type; L or R
- b = Acting Type; S or D
- c = Explosion Proof: A or AG
- d = Lever Type L: 1, 2, 3 or 4
- e = Lever Type R: 5
- f = Conduit – Air Connection: 1, 2, 3, 4 or 5
- g = Communication: 2
- h = Option: 0 or 1
- i = Operating Temp: S or L
- j = Cable Length: 1, 2, 3 or 4

### **13. Specific Conditions of Use:**

1. The model enclosure contains aluminum which is considered to constitute a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.
2. To prevent the risk of electrostatic sparking, the enclosure shall only be cleaned with a damp cloth.
3. Dust tight conduit seals must be used in Class II & III environments.

### **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
7 <sup>th</sup> July 2020	Original Issue.

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