



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 EPS 11.0002X**

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Certificate history:

Status: **Current**

Issue No: 8

Issue 7 (2021-10-29)

Issue 6 (2020-03-09)

Issue 5 (2019-02-01)

Issue 4 (2016-10-25)

Issue 3 (2014-08-06)

Issue 2 (2012-12-27)

Issue 1 (2011-09-12)

Issue 0 (2011-09-01)

Date of Issue: **2025-05-21**

Applicant: **Rotork YTC Limited**
81, Hwanggeum-ro 89, beon-gil, Yangchon-eup
Gimpo-si, Gyeonggi-do
Korea, Republic of

Equipment: **YT-3400, YT-3450, YT-3410 Smart Valve Positioner**

Optional accessory:

Type of Protection: **flameproof enclosures "d" and protection by enclosure "t"**

Marking: **Ex db IIC T5/T6 Gb**
Ex tb IIIC T100°C/T85°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)



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 www.iecex.com or use of this QR Code.



Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **Rotork YTC Limited**
81, Hwanggeum-ro 89, beon-gil, Yangchon-eup
Gimpo-si, Gyeonggi-do
Korea, Republic of

Manufacturing
locations: **Rotork YTC Limited**
81, Hwanggeum-ro 89, beon-gil,
Yangchon-eup
Gimpo-si, Gyeonggi-do
Korea, Republic of

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 Report:

DE/EPS/ExTR11.0002/08

Quality Assessment Report:

DE/EPS/QAR11.0002/14



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The YT-3400 Valve Positioner controls valve stroke, according to an input signal of 4-20 mA, which comes from a controller. The enclosure consists of a flameproof part with electronics and a pneumatic part with a pilot valve inside. YT-3450 model has a stainless steel enclosure. Ingress protection fulfills IP66 and NEMA 4X requirements.

The pneumatic system can be also supplied with natural gas instead of air.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Hazardous area with carbon disulfide shall be excluded.

The ambient temperature range is from -30 °C to +70 °C for temperature class T6 (T85 °C) or -30 °C to +80 °C for temperature class T5 (T100 °C).

With silicone gasket material the minimum ambient temperature can be extended to -40 °C or -55 °C.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Change of Sinter specification, cementing and Ex-d constructions

Extension of ambient temperature range to -55 °C

Addition of option to operate with natural gas instead of air

Update standard IECEx 60079-31.