



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 TUR 22.0034** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2023-07-14
Applicant: **Qingdao Alltank Technology Co., Ltd.**
No.13 Hancheng Road, Qingdao Free Trade Zone
Shandong 266555
China
Equipment: **Retractable Grounding Reel RGR Series**
Optional accessory:
Type of Protection: **Ex h**
Marking: **Ex h IIC T5 Gb**

Approved for issue on behalf of the IECEx
Certification Body:

Dipl. -Ing. Klauspeter Graffi

Position:

Head of Certification Body

Signature:
(for printed version)

Date:
(for printed version)

2023-07-14

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:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany





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Manufacturer: **Qingdao Alltank Technology Co., Ltd.**
No.13 Hancheng Road, Qingdao Free Trade Zone
Shandong 266555
China

Manufacturing
locations:

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

[ISO 80079-36:2016](#) Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements
Edition:1.0

[ISO 80079-37:2016](#) Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k"
Edition:1.0

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/TUR/ExTR22.0034/00](#)

Quality Assessment Report:

[DE/TUR/QAR23.0009/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Retractable Ground Reel is used for External Floating Roof Storage Tanks in oil depots.

Retractable Grounding Reel (RGR) is designed to provide the lowest impedance connection between the shell of a floating roof tank and its roof by creating the shortest possible path between the two. This connection is obtained by keeping constant tension on the braided cable.

The RGR can be installed during erection, maintenance shut downs or during regular operation of a tank. It needs minimal maintenance and is easy to install on both new and existing tanks in petrochemical facilities.

SPECIFIC CONDITIONS OF USE: NO