



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 CML 14.0009 Issue No: 0 Certificate history:
Issue No. 0 (2014-05-07)

Status: **Current** Page 1 of 3

Date of Issue: **2014-05-07**

Applicant: **Thompson Valves Ltd**
17 Balena Close,
Creekmoor,
Poole,
Dorset,
BH17 7EF
United Kingdom

Electrical Apparatus: **MAXSEAL ICO4E Solenoid Valves**
Optional accessory:

Type of Protection: **Flameproof and Dust**

Marking: Ex d IIC T6 Gb or Ex d IIC T4 Gb
Ex tb IIIC T130°C Db
Up to -60°C to +90°C

*Approved for issue on behalf of the IECEx
Certification Body:*

M D Shearman FlntMC

Position:

Managing Director

*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](#).

Certificate issued by:

Certification Management Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port
CH65 4LZ
United Kingdom





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Manufacturer: **Thompson Valves Ltd**
17 Balena Close,
Creekmoor,
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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:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6
IEC 60079-31 : 2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition:1

*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/CML/ExTR14.0010/00](#)

Quality Assessment Report:

[GB/BAS/QAR07.0002/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Maxseal ICO4E range of Solenoids control a spindle valve attached to the bottom of the equipment and have a maximum internal power dissipation of 20W. The Maxseal ICO4E Type Solenoids use a cylindrical cast housing, manufactured from Stainless Steel, designated as the solenoid pot and incorporates a range of valve body configurations, secured with fasteners which are a minimum of Steel Grade 12.9 or Stainless Steel Grade A2-70.

See annex for full description and Conditions of Manufacture

CONDITIONS OF CERTIFICATION: NO

Annex:

[IECEx CML 14.0009 issue 0 Annex.pdf](#)