



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 TRC 13.0010X Issue No: 2 Certificate history:
Status: **Current** Page 1 of 5 Issue No. 2 (2015-03-20)
Date of Issue: **2015-03-20** Issue No. 1 (2014-03-28)
Applicant: **Val Controls A/S** Issue No. 0 (2013-07-31)
Limfjordsvej 3
DK-6715
Esbjerg N
Denmark

Electrical Apparatus: **Valve Controller, IVC24 Intelligent Valve Controller, IHP24 Intelligent Hydraulic Positioner & IDC24-F Intelligent Diagnostic Controller**

Optional accessory:

Type of Protection: **Flameproof, Intrinsic Safety, Enclosure**

Marking:
Ex d [ib] IIC T6 Gb Tamb = -°C to +60°C
Ex d [ib] IIC T4 Gb Tamb = -°C to +85°C
Ex tb IIIC T85°C Db IP6X Tamb = -°C to +60°C
Ex tb IIIC T135°C Db IP6X Tamb = -°C to +85°C
*See Special Condition for Manufacturing No.3 in Annex.

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

Stephen Winsor

Position:

Certification Team Leader

*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](http://www.iecex.com).

Certificate issued by:



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Unit 1 Pendle Place
Skelmersdale
West Lancashire
WN8 9PN
United Kingdom





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Manufacturer: **Val Controls A/S**
Limfjordsvej 3
DK-6715
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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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

*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/TRC/ExTR13.0004/00](#)

[GB/TRC/ExTR13.0004/01](#)

[GB/TRC/ExTR13.0012/00](#)

Quality Assessment Report:

[DE/TUN/QAR11.0006/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The IVC24/IHP24/IDC24-F Valve Controllers are designed to provide high accuracy feedback of valve position, with comprehensive diagnostics, for use with plant control systems and can be used in hazardous gas or dust atmospheres. The equipment is mounted to a valve via a mounting plate and mounting kit. A shaft on the bottom of is physically linked to the valve and passes into the flameproof IP6X enclosure. This shaft can be linked internally to a variety of internal components - micro switches, position transmitters, reed switches, proximity sensors etc depending on the end user requirements. This shaft can also be equipped to provide a physical 'open/closed' type of visual indication. The proximity and position sensors are approved intrinsically safe components that can be fitted within the enclosure therefore with regard to gas atmospheres these are associated equipment.

There are many options available for the internal components that can be fitted but the enclosure is the same for all models. Two faces contain the entry ports into the enclosure and can be supplied as M20, M25, ½ or ¾ NPT threaded entries.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The equipment shall not be subjected to a build up of dust and is to be cleaned regularly to prevent a build up of dust forming on the enclosure.
2. The intrinsically safe components shall be supplied by an IECEx approved barrier.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 2

Addition of Model IDC24-F – Intelligent Diagnostic Controller

Annex:

[Annex to CoC IECEx TRC 13.0010X is 2.pdf](#)