

EU TYPE-EXAMINATION CERTIFICATE

1. **EU type-examination Certificate (Module B)**

2. **Equipment or Protective System intended for use in potentially explosive atmospheres (Directive 2014/34/EU)**



3. **EU type examination certificate Nr** **ITS-I24ATEX39900X R.0**

4. **Product:** High Pressure Type 240 I/P Converter

5. **Manufacturer:** IMI International s.r.o **Applicant:** IMI International s.r.o

6. **Address:** Evropská 862, 66442, Modřice, Czech Republic **Address:** Evropská 852, 66442, Modřice, Czech Republic

7. This product and any acceptable variation thereto are specified in the schedule to this certificate and therein referred to.

8. INTERTEK ITALIA S.p.A., Notified Body n° 2575 in accordance with article 17 of the Directive 2014/34/EU of the European Parliament and Council of the 26 February 2014, certifies that the equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective system intended for use in potentially explosive atmosphere, given in Annex II of the Directive.

The examination and tests results are recorded in confidential technical evaluation Intertek Report Nr. 105621308CHE-001A dated 27th June 2024.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN 60079-1:2014 and EN 60079-31:2014 except in respect of those requirements referred to at item 16 of the Schedule.

10. If the sign X is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12. The marking of the product shall include the following:



II 2 GD

Ex db IIC T5 Gb (T_{amb} -40°C to +85°C)

Ex db IIC T6 Gb (T_{amb} -40°C to +70°C)

Ex tb IIIC T95°C Db (T_{amb} -40° to +85°C)

Certificate issue date

28th June 2024

Richard Tunnicliffe

Certification Officer
Intertek Italia S.p.A. (NB 2575)



PDR N° 277B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Intertek Italia S.p.A. Via Miglioli, 2/A - 20063 Cernusco sul Naviglio, Milano - Italy

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13. DESCRIPTION OF THE EQUIPMENT OR PROTECTIVE SYSTEM

The High Pressure Type 240 I/P Converter is an electronic pressure regulator, providing an output pressure that is proportional to a control signal. It is intended for pneumatic applications.

The equipment is housed in a metallic enclosure and electrically comprises a single PCB and pilot coil module. The enclosure provides degree of protection of at least IP6X.

The equipment utilises the Flameproof and Dust Ingress protection concept of protection and is intended for use in Group IIC and Group IIIC atmospheres.

Both internal and external earthing facilities are provided.

Electrical Parameters:

U_{max} = 30Vdc

CE Marking shall be accompanied by the identification number of the Notified Body responsible for surveillance of production.

14. DRAWINGS AND DOCUMENTS

TITLE	DOCUMENT Nr	LEVEL	DATE
240 Housing Certification Detail	2014-113	a	16/02/2015
Type 240 Lid Certification Drawing	2014-178	a	08/09/2014
High Pressure Type 240 General Assembly Ex d Certification Drawing	UKLEETC002024645	B	2024-06-27
High Pressure Type 240 Marking Label Certification	UKLEETC002024646	B	2024-06-27
High Pressure Type 240-I&M – Handbook	UKLEETC002024636	-	As stamped

Copies of the above listed documents are kept at Intertek Italia S.p.A. archive.

15. SPECIFIC CONDITIONS OF USE

- The installer and user must take precautions to avoid accumulation of electrostatic charge on plastic parts. Refer to the manufacturer's instructions.
- When installed using the Flameproof or Dust ignition protection by enclosure methods of protection:
 - Use in atmosphere containing carbon disulphide is prohibited.
 - The process medium shall be air or other inert gas.
 - The supply cable shall have a suitable temperature rating of 10K higher than the maximum ambient temperature in service, with 70°C as a minimum.
- Where EPL Db or Dc is required, the cable entry device shall comply with the requirements of EN IEC 60079-0 and maintain an IP rating of IP6X.



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16. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

The relevant Essential Health and Safety Requirements have been identified and assessed in Intertek Report Nr. 105621308CHE-001A dated 27th June 2024.

17. ROUTINE (FACTORY) TESTS

None.