

EU TYPE-EXAMINATION CERTIFICATE

1. EU type-examination Certificate (Module B)
2. Component intended for use with Equipment or Protective System in potentially explosive atmospheres (Directive 2014/34/EU)



3. EU type examination certificate Nr **ITS-I21ATEX30187U R.0**

4. **Component:** Increased Safety Enclosures

5. **Manufacturer:** Purge Solutions, Inc

Applicant: Purge Solutions, Inc

6. **Address:** 592 Avenue E 1/2, Alvin, Texas 77511 USA

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7. This component 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 component has been found to comply with the essential Health and Safety Requirements relating to the design and construction of components 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. 104693354LHD-001 dated 30th September 2021.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018 and EN 60079-31:2014 except in respect of those requirements referred to at item 18 of the Schedule.
10. If the sign U placed after the certificate number indicates that this certificate must not be mistaken relative to an equipment or protective system.
11. This EU-Type Examination Certificate relates only to the design and construction of the specified component. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.
12. The marking of the component shall include the following:



II 2 GD
Ex eb IIC Gb
Ex tb IIIC Db IP66
Service Temp: -40°C to +80°C

Certificate issue date

6th April 2022

Mark Newman

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



SCHEDULE

EU TYPE EXAMINATION CERTIFICATE NUMBER: ITS-I21ATEX30187 R.0

13. DESCRIPTION OF COMPONENT

The range of increased safety enclosures are cabinets with hinged doors closed and sealed by clamps and screws around all sides of door. The enclosures can be manufactured in any size as long as the clamp center to center maximum distance of 355.6 mm, center to door edge maximum distance of 101.6 mm and can be fabricated in various materials and finishes. The enclosure can be fitted with an optional internal mounting plate and / or gland plate and has both internal and external earthing points. The enclosure door and gland plate utilizes a gasket made from a medium density silicone that is fixed to the door with adhesive.

14. DRAWINGS AND DOCUMENTS

TITLE	DOCUMENT Nr	LEVEL	DATE
ATEX, IECEX AND UKEx LABEL INCREASED SAFETY ENCLOSURES	SM-10009-E-1	E	25/OCT/13
ATEX, IECEX AND UKEx LABEL INCREASED SAFETY ENCLOSURES	SM-10009-E-2	E	25/OCT/13
CLAMP & GASKET COMPRESSION DETAILS INCREASED SAFETY ENCLOSURES	SM-10010-A	A	12/DEC/13
GLAND PLATE DETAILS INCREASED SAFETY ENCLOSURES	MM-11270-A	A	11/FEB/17
4 SIDE CLAMP / HINGE DOOR DETAIL INCREASE SAFETY ENCLOSURE	SM-10005-F	F	15/OCT/13
IOM MANUAL INCREASE SAFETY ENCLOSURES (pages 5, 6, 8 and 9)	DO-11209-I	I	05/MAY/21

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

15. LIMIT CONDITIONS FOR USE

- Entries into the enclosure can be drilled by the end user within the constraints of the table found on page 8 of the user manual. The structural integrity of the enclosure between entries into the enclosure must be maintained and verified.
- Clause 7.4.3 of EN IEC 60079-0:2018 regarding the avoidance of a build-up of electrostatic charge on equipment for Group III has not been addressed as part of this certification and must be addressed as part of the equipment certification.
- The service temperature (maximum operating temperature) of the gasket is -40°C to +80°C and shall not be exceeded

16. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

The relevant essential Health and Safety Requirements have been identified and assessed in Intertek Report Nr. 104693354LHD-001 dated 30th September 2021.

17. ROUTINE (FACTORY) TESTS

None