

UK-TYPE EXAMINATION CERTIFICATE

Component Intended for use on/in a Product and Protective Systems Intended for Use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

- UK-Type Examination Certificate Number:** ITS21UKEX0219U **Issue 00**
- Product:** Increased Safety Enclosures
- Manufacturer:** Purge Solutions, Inc
- Address:** 592 Avenue E 1/2, Alvin, Texas 77511 USA
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing and Certification Limited, Approved Body number 0359, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that the product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of the product intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential report 104693354LHD-001 dated 30th September 2021.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN 60079-31:2014 and EN IEC 60079-7:2015+A1:2018 except in respect of those requirements referred within item 14 of the Schedule.
- The sign “U” is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for equipment or a protective system. This partial certification may be used as a basis for certification of a product or a protective system.
- This UK-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- The marking of the product shall include the following:



II 2 GD
Ex eb IIC Gb
Ex tb IIIC Db IP66

Service Temperature -40C to +80°C

Certification Officer: _____ **Date:** 6th April 2022
Mark Newman

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. This Certificate is accredited under UKAS schedule 0010.

Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 7SA
Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

SCHEDULE:

EU-Type Examination Certificate Number: ITS21UKEX0219U Issue 00

11. 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/gland plate gasket is made from a medium density silicone that is fixed to the door with adhesive.

12. Report Number

Intertek Report: 104693354LHD-001 dated 30th September 2021.

13. Conditions of Certification

(a). Schedule of Limitations

- 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.

(b). Conditions of Manufacture - Routine Tests

- None.

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 104693354LHD-001 dated 30th September 2021.

15. Drawings and Documents

Title:	Drawing No.:	Rev. 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 INCREASED SAFETY ENCLOSURES (pages 5, 6, 8,9)	DO-11209-I	I	05-MAY-21

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