



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

Certificate No.:  issue No.:

Status:

Date of Issue: **2014-09-29** Page 1 of 3

Applicant: **Purge Solutions**  
2201 North Highway  
35 Bypass,  
Suite C,  
Alvin,  
Texas,  
77511,  
**United States of America**

Electrical Apparatus: **Range of increased Safety Boxes**  
*Optional accessory:*


Type of Protection: **increased Safety, Dust Protection by Enclosure**

Marking: II 2 G Ex e IIC Gb  
II 2 D Ex tb IIIC Db  
Service Temp -40°C to +80°C  
IECEX ITS 14.0004U

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

*Position:* Certification Officer

*Signature:*  
*(for printed version)*

  
29 Sept 2014

*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:

**Intertek Testing & Certification Limited**  
ITS House, Cleeve Road,  
Leatherhead,  
Surrey, KT22 7SB  
United Kingdom





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Certificate No.: IECEX ITS 14.0004U

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Manufacturer: **Purge Solutions**  
2201 North Highway  
35 Bypass,  
Suite C,  
Alvin,  
Texas,  
77511,  
**United States of America**

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:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-31 : 2008</b> Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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/ITS/ExTR14.0004/00](#)

Quality Assessment Report:  
[NO/DNV/QAR09.0002/02](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The range of increased safety enclosures are cabinets with hinged and clamped doors closed by stainless steel screwed clamps that can be manufactured in any size required, in a range of materials. In order to maintain IP the clamps have a maximum distance apart of eleven inches, or 279.4mm. The maximum distance from the centre of the hinge/clamp to the corner of the enclosure is two and a half inches, or 63.5mm. The enclosure can be fitted with an optional internal mounting plate if required and has both internal and external earthing points. The enclosure utilise a single piece gasket made form a medium density silicone that is fixed to the door of the enclosure with adhesive.

#### Schedule of Limitations

The structural integrity of the enclosure between entries into the enclosure must be maintained and verified. Clause 7.4.3 of IEC 60079-0 6th Edition has not been addressed as part of this certification and must be addressed as part of the equipment certification.

The service temperature range of -40°C to +80°C shall not be exceeded.

The final equipment certificate must have an x-condition informing the end user of a risk of electrostatic discharge and the appropriate precautions to take

### CONDITIONS OF CERTIFICATION: NO