



# 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.: IECEx ITS 12.0050U issue No.:1

Certificate history:  
Issue No. 1 (2013-1-30)  
Issue No. 0 (2013-1-4)

Status: **Current**

Date of Issue: **2013-01-30** Page 1 of 4

Applicant: **Purge Solutions**  
12450 Galveston Road  
Suite C  
Webster  
Texas  
77598  
**United States of America**

Electrical Apparatus: **Increase Safety Windows Kits**  
*Optional accessory:*

Type of Protection: **Ex e & tb**

Marking: **Ex e IIC Gb**  
**Ex tb IIIC Db IP66**

Approved for issue on behalf of the IECEx Certification Body: Andy Austin

Position: Certification Officer

Signature:  
(for printed version)

Date:

2013-01-30

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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Manufacturer: **Purge Solutions**  
12450 Galveston Road  
Suite C  
Webster  
Texas  
77598  
**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/ExTR12.0051/00](#)

[GB/ITS/ExTR13.0003/00](#)

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 Increased Safety Window Kits are mountable assemblies of aluminium or stainless steel bezels which are fitted with windows. They are secured by various cross-head screw arrangements and rely upon two silicon gaskets to prevent ingress when mounted.

The are available in five sizes which are;

1/32 DIN - 98.6mm x 75.7mm

1/16 DIN - 98.6mm x 98.6mm

1/8 DIN - 146.3mm x 98.6mm

¼ DIN - 146.3mm x 146.3mm

X-Large - 304.8mm x 235.0mm

#### Schedule of limitations

The Increased Safety Window Kits are suitable for instillation into enclosure in atmospheres with flammable gasses and dust. For flammable gasses the enclosure must satisfy the requirements according to IEC 60079-0:2011 and IEC 60079-7:2006. For combustible dust the enclosure must satisfy the requirements according to IEC 60079-0:2011 and IEC 60079-31:2008.

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

Consideration of Clause 7.5 of IEC 60079-0:2011 should be given when fitting the window kits to a non-metallic enclosure or a non-metallic part of an enclosure.

When mounted to an enclosure care should be taken to ensure the joint between the window kit and the enclosure wall maintains the required degree of protection.

### CONDITIONS OF CERTIFICATION: NO



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

### Issue 1

Increase the upper service temperature from +75°C to +80°C.