



# 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 14.0005U issue No.:0 Certificate history:.....

Status: **Current**

Date of Issue: 2014-04-28 Page 1 of 4

Applicant: **Flexicon Limited**  
Roman Way  
Coleshill  
Birmingham B46 1HG  
UNITED KINGDOM  
United Kingdom

Electrical Apparatus: **LTPYY-XXX-EXE range of liquid tight conduit fittings**  
Optional accessory:

Type of Protection: **Ex 'e' and Ex 'tb'**

Marking: **Ex e II Gb**  
**Ex tb III IP66**

Approved for issue on behalf of the IECEx Certification Body: V K Varma

Position: Certification Officer

Signature:  
(for printed version)

Date:

Vijay K. Varma  
2014-04-28

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.

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





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Manufacturer: **Flexicon Limited**  
Roman Way  
Coleshill  
Birmingham B46 1HG  
UNITED KINGDOM  
**United Kingdom**

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/ExTR14.0005/00

Quality Assessment Report:  
GB/ITS/QAR14.0005/00



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## Schedule

### EQUIPMENT:

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

The Flexicon LTPYY-XXX-EXE range of liquid tight conduit fittings are used for termination of conduits at the junction or electrical box. They are made of Electro Nickel plated brass or Stainless steel. They incorporate clamping plastic seals and elastomeric sealing washers which are used as protection against ingress of water or dust.

They provide a degree of protection of at least IP66.

The fitting comprises a back nut which is passed over the conduit, the clamping sealing ring which is placed over the conduit, the Insert that fits into internal corrugated section of a conduit and the threaded body that is fitted to the back nut. The conduit which is not part of this certification is located in the body of the fitting such that the seal is displaced up on the tightening of the back nut onto the body and forms a seal with the fitting and act as retention for the conduit. They may be fitted with M16 to M63 metric, 1/2" to 2"NPT or PG11 to PG48 male entry thread forms. The sealing washer is fitted to the body and acts as a seal between the conduit fittings and the external devices like junction box. The YY-XXX is used to identify the thread form size, type and conduit size for the fitting.

### CONDITIONS OF CERTIFICATION: NO

#### Schedule of Limitations:-

These Fittings shall be used within an ambient temperature range of -20°C to +85°C.



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**EQUIPMENT(continued):**

The samples that were provided for testing were four of each of the LTP50-M50 straight, 90°, and 45° type. The results obtained are considered to transfer to the conduit fittings listed below.

**Metric**

Conduit size	Straight	45°	90°
16	LTP16-M16-EXE	LTP16-M16-EXE-45	LTP16-M16-EXE-90
16	LTP16-M20-EXE	LTP16-M20-EXE-45	LTP16-M20-EXE-90
20	LTP20-M20-EXE	LTP20-M20-EXE-45	LTP20-M20-EXE-90
25	LTP25-M25-EXE	LTP25-M25-EXE-45	LTP25-M25-EXE-90
32	LTP32-M32-EXE	LTP32-M32-EXE-45	LTP32-M32-EXE-90
40	LTP40-M40-EXE	LTP40-M40-EXE-45	LTP40-M40-EXE-90
50	LTP50-M50-EXE	LTP50-M50-EXE-45	LTP50-M50-EXE-90
63	LTP63-M63-EXE	LTP63-M63-EXE-45	LTP63-M63-EXE-90

**NPT**

Conduit size	Straight
16	LTP16-050-EXE ½"
20	LTP20-050-EXE ½"
25	LTP25-075-EXE ¾"
32	LTP32-100-EXE 1"
40	LTP40-125-EXE 1¼"
50	LTP50-150-EXE 1½"
63	LTP63-200-EXE 2"

**PG**

Conduit size	Straight
16	LTP16-PG11-EXE
16	LTP16-PG13-EXE
20	LTP20-PG16-EXE
25	LTP25-PG21-EXE
32	LTP32-PG29-EXE
40	LTP40-PG36-EXE
50	LTP50-PG42-EXE
63	LTP63-PG48-EXE