

# Certification of

# EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

## Certificate of Conformity

Certificate No: **ANZEx 11.2001X** Issue: **0 15 February 2011** Original Issue  
Issue: **1 12 September 2017** Change location

Applicant: **Triflex Manufacturing Pty Ltd**  
**Warehouse 29**  
**2-4 Picrite Close**  
**PEMULWUY NSW 2145**  
**AUSTRALIA**

Electrical Equipment: **Nicote FLWN Series Cable Glands**

Type of Protection and Marking Code: **Ex d I/IC Ex tD A21 IP66/68**  
**ANZEx 11.2001X**

Manufactured by: **Triflex Manufacturing Pty Ltd**  
**Warehouse 29**  
**2-4 Picrite Close**  
**PEMULWUY NSW 2145**  
**AUSTRALIA**

The certification database located at <http://www.anzex.com.au> shows the currency of this certificate.

Issued by:

**Simtars**

**Safety in Mines, Testing and Research Station**  
2 Robert Smith Street, REDBANK QLD 4301 Australia  
Postal Address: PO Box 467, GOODNA QLD 4300 Australia  
Phone: + 61 7 3810 6381 Fax: + 61 7 3810 6366



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This certificate is granted subject to the conditions as set out in Standards Australia/Standards New Zealand P-008 Ex Mark Management Committee Publication MP87.1.

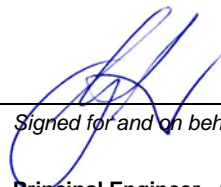
The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0: 2004</b>	<b>Electrical apparatus for explosive gas atmospheres Part 0: General requirements</b>
<b>IEC 60079-1: 2007</b>	<b>Explosive atmospheres Part 1: Equipment protection by flameproof enclosures "d"</b>
<b>IEC 61241-0: 2004</b>	<b>Electrical apparatus for use in the presence of combustible dust Part 0: General requirements</b>
<b>IEC 61241-1: 2004</b>	<b>Electrical apparatus for use in the presence of combustible dust Part 1: Protection by enclosures "tD"</b>

This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

The equipment listed has successfully met the examination and test requirements as recorded in

Test Report No. and Issuing Body: **AU/SIM/EXTR11.0002/00; Simtars**  
Quality Assessment Report No. and Issuing Body: **AU/TSA/QAR10.0001; TestSafe Australia**  
File Reference: **09/0150, 09/0165**



Signed for and on behalf of issuing authority

**Principal Engineer - Certification**

Position

**12 September 2017**

Date of issue

This certificate is not transferable, remains the property of the issuing body and must be returned in the event of its being revoked or not renewed.

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## Schedule

Equipment:

The Nicote FLWN Series cable glands, listed in Table 1, are for use with armoured cables. The glands comprise a brass body, sleeve, gland nut, cone and clamp, inner neoprene seal, outer neoprene seal, body o-ring and a fibre washer on the entry thread. The glands have a male metric thread of various sizes.

Table 1: Nicote FLWN Series cable glands

Model Number	Thread Size	Overall Cable Diameter Range (mm)
FLWN202	M20 x 1.5	11.00 to 13.00
FLWN203	M20 x 1.5	12.50 to 15.50
FLWN204	M20 x 1.5	15.10 to 17.00
FLWN205	M20 x 1.5	16.60 to 20.00
FLWN206	M20 x 1.5	17.00 to 20.00
FLWN253	M25 x 1.5	19.60 to 22.50
FLWN254	M25 x 1.5	19.60 to 22.50
FLWN255	M25 x 1.5	22.10 to 26.00
FLWN256	M25 x 1.5	23.00 to 26.00
FLWN323	M32 x 1.5	25.60 to 30.00
FLWN324	M32 x 1.5	25.60 to 30.00
FLWN325	M32 x 1.5	29.60 to 34.00
FLWN326	M32 x 1.5	30.00 to 34.00
FLWN403	M40 x 1.5	33.60 to 37.00
FLWN404	M40 x 1.5	36.60 to 39.50
FLWN405	M40 x 1.5	37.00 to 41.50

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Manufacturer's documents:

Drawings associated with Issue 0:

Drawing No.	Drawing Title	Revision No.	Drawn/ Revision Date
IS183	Nicote <sup>T</sup> FLWN Cable Gland Range	C	07/ 02/ 2011
FLPW202-405	FLWN CABLE GLANDS	C	23.02.09
FLPW RD 202-405	FLWN FLAMEPROOF CABLE GLANDS MARKING DETAILS	D	19.01.2011
D 221	O-RING (BS017 TO BS1806)	B	11.04.95
FLPW 1	O-RING (BS015 TO BS1806)	-	27.04.95
FLPW 2	O-RING (BS028 TO BS1806)	B	27.03.98
FLPW 3	O-RING	A	12.11.97
FLPW113	BODY	E	17 June 2010
FLPW114	CLAMP	C	17 June 2010
FLPW115	CONE	B	17 June 2010
FLPW 116	NUT	C	09.02.09
FLPW117	SLEEVE	D	17 June 2010

(Drawing list continued next page)

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Drawing No.	Drawing Title	Revision No.	Drawn/ Revision Date
FLPW118	BODY	F	17 June 2010
FLPW 119	CLAMP	E	20.06.07
FLPW120	CONE	B	17 June 2010
FLPW 121	NUT	C	20.06.07
FLPW 122	SLEEVE	H	23.02.09
FLPW123	BODY	G	17 June 2010
FLPW124	CONE	B	17 June 2010
FLPW 125	NUT	C	09.02.09
FLPW126	SLEEVE	D	17 June 2010
FLPW127	BODY	F	17 June 2010
FLPW 128	CLAMP	E	20.06.07
FLPW129	CONE	B	17 June 2010
FLPW 130	NUT	C	20.06.07
FLPW 131	SLEEVE	E	23.02.09

(Drawing list continued next page)

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Drawing No.	Drawing Title	Revision No.	Drawn/ Revision Date
FLPW132	BODY	E	17 June 2010
FLPW133	CONE	B	17 June 2010
FLPW135	BODY	F	17 June 2010
FLPW136	CLAMP	B	17 June 2010
FLPW137	CONE	B	17 June 2010
FLPW 138	NUT	C	09.02.09
FLPW139	SLEEVE	F	17 June 2010
FLPW140	BODY	F	17 June 2010
FLPW141	CONE	B	17 June 2010
FLPW143	BODY	F	17 June 2010
FLPW 144	CLAMP	E	20.06.07
FLPW145	CONE	B	17 June 2010
FLPW 146	NUT	E	18-02-08
FLPW 147	SLEEVE	F	23.02.09

(Drawing list continued next page)

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Drawing No.	Drawing Title	Revision No.	Drawn/ Revision Date
FLPW148	BODY	F	17 June 2010
FLPW149	CONE	B	17 June 2010
FLPW151	BODY	C	17 June 2010
FLPW152	CLAMP	B	17 June 2010
FLPW153	CONE	B	17 June 2010
FLPW 154	NUT	C	09.02.09
FLPW155	SLEEVE	G	17 June 2010
FLPW156	BODY	C	17 June 2010
FLPW157	CONE	B	17 June 2010
FLPW159	BODY	C	17 June 2010
FLPW 160	CLAMP	E	20.06.07
FLPW161	CONE	B	17 June 2010
FLPW 162	NUT	C	20.06.07
FLPW 163	SLEEVE	I	23.02.09

(Drawing list continued next page)

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Drawing No.	Drawing Title	Revision No.	Drawn/ Revision Date
FLPW164	BODY	C	17 June 2010
FLPW165	CONE	B	17 June 2010
FLPW167	BODY	C	17 June 2010
FLPW168	CLAMP	B	17 June 2010
FLPW169	CONE	B	17 June 2010
FLPW 170	NUT	C	09.02.09
FLPW171	SLEEVE	F	17 June 2010
FLPW172	BODY	C	17 June 2010
FLPW173	CLAMP	D	17 June 2010
FLPW174	CONE	B	17 June 2010
FLPW 175	NUT	C	09.02.09
FLPW176	SLEEVE	F	17 June 2010
FLPW177	BODY	C	17 June 2010
FLPW 178	CLAMP	D	20.06.07

(Drawing list continued next page)

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Drawing No.	Drawing Title	Revision No.	Drawn/ Revision Date
FLPW179	CONE	B	17 June 2010
FLPW 180	NUT	C	20.06.07
FLPW 181	SLEEVE	H	23.02.09
FLWN OUTER SEALS 202-405	FLWN OUTER SEALS 202-405	N	17 June 2010
FLWN TAPER Seals 202-405	FLPW TAPER Seals202-405	H	17 June 2010
LS13	O-RING	F	17 June 2010
LS 17	O-RING (BS021 TO BS1806)	C	12.04.95
NRS 3	O-RING (BS020 TO BS1806)	E	12.04.95
UB 55	MOUNTING THREAD FIBRE WASHERS FOR I.P.INSTALLATIONS	E	25.07.07

Drawings associated with Issue 1:

Nil

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## Conditions of Certification:

The certificate number includes an X to indicate that apparatus is designed for use in an ambient temperature range of -20 °C to +60 °C.

## Additional Information:

The female mating thread provided on the separately certified device, to which the glands are to be fitted, must have a class of fit of 6H to ISO 965 and a minimum length of thread engagement of 8 mm.

In order to prevent the ratings of the sealing rings being exceeded, the temperature of the cable glands must not exceed 60 °C.

The IPX8 test was carried out at a simulated depth of 40 m for the duration of 1 hour.

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