



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX CML 18.0177X** Page 1 of 4 [Certificate history:](#)
Issue 0 (2019-02-18)

Status: **Current** Issue No: 1

Date of Issue: 2021-05-04

Applicant: **CMP Products Ltd**
36 Nelson Way, Nelson Park East, Cramlington, NE23 1WH
United Kingdom

Equipment: **Type 737 & 797 Ranges of Adaptors & Reducers and 747, 757 & 767 Ranges of Stopping Plugs**

Optional accessory:

Type of Protection: **Flameproof, Increased Safety and Dust**

Marking: **Metallic Versions** **Non-metallic Versions**

Ex db I Mb / Ex eb I Mb Ex eb IIC Gb

Ex db IIC Gb / Ex eb IIC Gb Ex ta IIIC Da

Ex ta IIIC Da

(NOTE: Equipment marked with mining code are not available in aluminium)

Approved for issue on behalf of the IECEx
Certification Body:

D R Stubbings BA MIET

Position:

Technical Director

Signature:
(for printed version)

Date:

2021-05-04

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 www.iecex.com or use of this QR Code.



Certificate issued by:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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Manufacturer: **CMP Products Ltd**
36 Nelson Way, Nelson Park East, Cramlington, NE23 1WH
United Kingdom

Additional
manufacturing
locations:

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 equipment 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

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

[GB/CML/ExTR18.0299/00](#)

[GB/CML/ExTR21.0102/00](#)

Quality Assessment Reports:

[GB/CML/QAR19.0001/00](#)

[GB/CML/QAR19.0001/01](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Type 737 & 797 Ranges of Adaptors & Reducers and 747, 757 & 767 Ranges of Stopping Plugs

See Annex for full description, Conditions of Manufacture and Specific Conditions of Use

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to Annex for Specific Conditions of Use.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- i. The introduction of a universal certificate schedule drawing detailing critical parts.
- ii. The introduction of additional sizes.
- iii. The introduction of an additional Specific Condition of Use.
- iv. The amendment of drawing text and formatting, including consolidation, for consistency that has no effect on the technical content.

Annex:

[IECEX CML18.0177X Iss 1 Annex.pdf](#)

Annexe to: IECEx CML 18.0177X Issue 1
Applicant: CMP Products Ltd
Apparatus: Type 737 & 797 Ranges of Adaptors & Reducers and 747, 757 & 767 Ranges of Stopping Plugs



Description

The Type 737 & 797 Ranges of Adaptors & Reducers and 747, 757 & 767 Ranges of Stopping Plugs are designed for explosive atmospheres, supplied in metallic and non-metallic (excluding 797 range) material options.

The Adaptor and Reducer product ranges convert an existing cable entry thread to another type and/or size. They comprise a hexagonal or cylindrical body – with machined flats – threaded from both ends providing the change required. These can be manufactured with equal threads or a combination of various sizes and types, unless otherwise stated.

- 737 Adaptor – Comprises a male (M) entry thread, adapting to a female (F) thread of the same size or larger, and limited to a change of two 'standard' thread sizes, e.g. M16 x M25.
- 737 Reducer – Comprises a male (M) entry thread, reducing to a female (F) thread of the same size or smaller and not limited by a specific number of thread sizes, e.g. M130 (M) x M10 (F) being acceptable.
- 797 Adaptor/Reducer – Comprises M/M or F/F threads only and limited to a change of two 'standard' thread sizes; with the exception of F/F thread options, where a change of three 'standard' thread sizes is allowed for M20 (F) x M10 (F) only.

Stopping Plug product ranges provide a means of blanking unused cable entries, giving Ex protection.

- 747 Stopping Plug – Comprises a cylindrical body with an external male thread and socket head recess. Available in two options:
 - Non-tamperproof – socket head only accessible outside the enclosure.
 - Tamperproof – socket head only accessible inside the enclosure.
- 757 Stopping Plug – Comprises a hexagonal head and cylindrical body with an external male thread.
- 767 Stopping Plug – Comprises a cylindrical body with an external male thread and domed head with socket head recess.

Materials of manufacture

Metallic:

- Brass; aluminium; stainless steel; mild steel.

Non-Metallic:

- Glass reinforced flame-retardant nylon (Excluded from Group I applications).

All brass manufactured component parts can be optionally nickel-plated. All mild steel manufactured components can be optionally zinc plated.

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Design Options

- The front entry component can be fitted with an O-ring seal, which locates on the mating face with its associated enclosure. This option having the product type prefixed with the letter 'R'. Applicable to 737, 757, 767, and 797 (M/M only) product ranges.
- Alternative entry component thread forms; Metric, ET (conduit), PG, BSPP, BSPT, ISO, NPT, and NPSM. Refer to R12922A for thread specifications.
- Intermediate thread sizes permitted, e.g. M28.

Thread and Size Designations:

Table 1 details the size reference and thread designation of the thread options covered. Table 2 details the products and their approved thread size ranges:

Table 1

737 / 747 / 757 / 767 / 797							
Size Reference and Recognised Equivalent Threads							
Size Ref.	Metric	NPT	NPSM	BSPP	BSPT	PG DIN	E.T.
10	M10 x 1.0	1/8	1/8	1/8	1/8	-	3/8
12	M12 x 1.5	1/4	1/4	1/4	1/4	PG7	1/2
16	M16 x 1.5	3/8	3/8	3/8	3/8	PG9	5/8
20	M20 x 1.5	1/2	1/2	1/2	1/2	PG11 PG13.5	3/4
25	M25 x 1.5	3/4	3/4	3/4	3/4	PG16 PG21	1
32	M32 x 1.5	1	1	1	1	-	1-1/4
40	M40 x 1.5	1-1/4	1-1/4	1-1/4	1-1/4	PG29	1-1/2
50	M50 x 1.5	1-1/2	1-1/2	1-1/2	1-1/2	PG36	2
63	M63 x 1.5	2	2	2	2	PG42	2-1/2
75	M75 x 1.5	2-1/2	2-1/2	2-1/2	2-1/2	PG48	3
90	M90 x 2.0	3	3	3	3	-	3-1/2
100	M100 x 2.0	3-1/2	3-1/2	3-1/2	3-1/2	-	4
115	M115 x 2.0	4	4	4	4	-	-
130	M130 x 2.0	5	5	5	5	-	-

Table 2

Product Range	Metallic* Sizes	
	Male Thread (Size Ref.)	Female Thread (Size Ref.)
737 Adaptor	12 to 130	12 to 130
737 Reducer	16 to 130	10 to 115
797	12 to 130	10 to 130
747 / 757 / 767	12 to 130	-
* Stainless Steel only, when any thread size 10 or 12 is required		
Product Range	Non-metallic* Sizes	
	Male Thread (Size Ref.)	Female Thread (Size Ref.)
737 Adaptor	20 to 75	20 to 90
737 Reducer	20 to 90	16 to 75
747 / 757 / 767	20 to 100	-
* Excluded from Group I applications		

Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Where the product incorporates certified parts or safety critical components, the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- ii. Non-metallic and aluminium adaptors, reducers and stopping plugs shall not bear any Group I marking.

Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment.

- i. For flameproof type “db” applications, only one adapter or reducer shall be used per cable entry.
- ii. The adaptors, reducers and stopping plugs shall be assembled in such a way that their protrusion from an associated enclosure is not increased.
- iii. The interfaces between a male thread of an adaptor/reducer and an associated enclosure, between a female thread of an adaptor/reducer and a cable entry device, and between a stopping plug and an associated enclosure cannot be defined. Therefore, it is the installer's responsibility to ensure that the appropriate ingress protection level is maintained at these interfaces.
- iv. Non-metallic adaptors, reducers and stopping plugs shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -20°C to +60°C.
- v. The installer shall refer to the manufacturer's instructions for the action necessary regarding the electrostatic risk associated with non-metallic adaptors, reducers and stopping plugs.
- vi. Any cable gland used with the non-metallic adaptors and reducers shall be non-metallic.