



EU Type Examination Certificate CML 18ATEX1320X Issue 1

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **Type 737 & 797 Ranges of Adaptors & Reducers and 747, 757 & 767 Ranges of Stopping Plugs**
- 3 Manufacturer **CMP Products Ltd**
- 4 Address Unit 36 Nelson Way
Nelson Park East,
Cramlington
NE23 1WH
UK
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V., Chamber of Commerce No 6738671, Koopvaardijweg 32, 4906CV Oosterhout The Netherlands, Notified Body Number 2776, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018

EN IEC 60079-7:2015+A1:2018

EN 60079-1:2014

EN 60079-31:2014

- 10 The equipment shall be marked with the following:



I M2 Ex db I Mb and/or Ex eb I Mb



II 2 G Ex eb IIC Gb

II 2 G Ex db IIC Gb and/or Ex eb IIC Gb

II 1 D Ex ta IIIC Da

II 1 D Ex ta IIIC Da

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



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11 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 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, 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 allen key hexagonal recess. Available in two options:
 - Non-tamperproof – allen key hexagonal recess only accessible outside the enclosure.
 - Tamperproof – allen key hexagonal recess 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 allen key hexagonal recess.



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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.

Design Options

- The male 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	1/8	1/8	1/8	1/8	-	3/8
12	M12	1/4	1/4	1/4	1/4	PG7	1/2
16	M16	3/8	3/8	3/8	3/8	PG9	5/8
20	M20	1/2	1/2	1/2	1/2	PG11 PG13.5	3/4
25	M25	3/4	3/4	3/4	3/4	PG16 PG21	1
32	M32	1	1	1	1	-	1-1/4
40	M40	1-1/4	1-1/4	1-1/4	1-1/4	PG29	1-1/2
50	M50	1-1/2	1-1/2	1-1/2	1-1/2	PG36	2
63	M63	2	2	2	2	PG42	2-1/2
75	M75	2-1/2	2-1/2	2-1/2	2-1/2	PG48	3
90	M90	3	3	3	3	-	3-1/2



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737 / 747 / 757 / 767 / 797							
Size Reference and Recognised Equivalent Threads							
Size Ref.	Metric	NPT	NPSM	BSPP	BSPT	PG DIN	E.T.
100	M100	3-1/2	3-1/2	3-1/2	3-1/2	-	4
115	M115	4	4	4	4	-	-
130	M130	5	5	5	5	-	-

NOTE: Metric entry threads of all model ranges may be manufactured with a thread pitch between 0.7 mm and 2.0 mm, with 1.5 mm as standard, with the exception of Size 10 which is only permitted with a 1.0 mm thread pitch.

Table 2

Product Range	Metallic*	
	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*	
	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		

Variation 1

This variation introduces the following modifications:

- 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.
- v. The update to the latest standard editions.



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12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	18 Feb 2019	R12060D/00	Issue of the prime certificate
1	04 May 2021	R12735B/00 R12922A	Introduction of variation 1

Note: Drawings that describe the equipment or component are listed in the Annex.

13 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.

14 Specific Conditions of Use (Special Conditions)

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

- i. For flameproof type “db” applications, only one adaptor or reducer shall be used per cable entry.
- ii. 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.
- iii. 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.
- iv. 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.
- v. Any cable gland used with the non-metallic adaptors and reducers shall be non-metallic.
- vi. The adaptors, reducers and stopping plugs sizes 10 & 12 have been tested to a mechanical impact of 7 J and therefore, when used in Group I applications, shall only be installed where the risk of mechanical impact is low.

Certificate Annex

Certificate Number CML 18ATEX1320X
Equipment Type 737 & 797 Ranges of Adaptors & Reducers and 747,
757 & 767 Ranges of Stopping Plugs
Manufacturer CMP Products Ltd



The following documents describe the equipment or component defined in this certificate:

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
GA077	1 of 1	06	11 Feb 2019	ATEX Adaptors, Reducers and Stopping Plugs
GA133	1 of 1	05	11 Feb 2019	ATEX Non-metallic Adaptors, Reducers and Stopping Plugs
GA134	1 of 1	03	11 Feb 2019	Type 797 Male/Male & Female/Female Adaptors
GA307	1 of 1	03	11 Feb 2019	Type 737 & Type 797 Adaptors (Optional Sizes)
SCH0070	1 of 1	07	11 Feb 2019	Adaptor/Reducer Cross-Reference Chart

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Drawing No	Sheets	Rev	Approved date	Title
GA2372	1 to 2	00	04 May 2021	Adaptors, Reducers and Stopping Plugs
SCH0070	1 of 1	08	04 May 2021	Adaptor/Reducer Cross-Reference Chart