



## EU Type Examination Certificate CML 19ATEX1330X Issue 3

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **RA\*\* Range of Rotating Adaptors Reducers and Elbows**
- 3 Manufacturer **Peppers Cable Glands Limited**
- 4 Address **Stanhope Road, Camberley,  
Surrey, GU15 3BT, United Kingdom**
- 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 60079-1:2014                      EN IEC 60079-7:2015+A1:2018  
EN 60079-31:2014

- 10 The equipment shall be marked with the following:



I M2

Ex db I Mb

Ex eb I Mb

Ts = -60°C to +135°C

IP66 / IP68 (2 m for 24 hours)



II 2 G

Ex db IIC Gb

Ex eb IIC Gb



II 1 D

Ex ta IIIC Da





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The Types and Model numbers of the RA\*\* Range of Rotating Adaptors Reducers and Elbows are as follows:

<b>Type</b>	<b>Adaptors/Reducers</b>	<b>Type</b>	<b>Elbow</b>
RAFF	Female to Female	RAFF 90	Female to Female Elbow
RAMF	Male to Female	RAMF 90	Male to Female Elbow
RAMM	Male to Male	RAMM 90	Male to Male Elbow

#### **Variation 1**

This variation introduced the following modifications:

- i. To permit the use of an alternative internal O-ring seal material.
- ii. To permit modifications to the product length to accommodate design requirements for other approvals.
- iii. To recognise minor certification document modifications.

#### **Variation 2**

This variation introduced the following modifications:

- i. Addition of specific condition of use relating to EPL Mb

#### **Variation 3**

This variation introduced the following modifications:

- i. Changes to tolerance dimensions. Reduction of diameters 'K' on F1 and M1 options.
- ii. The option to leave a full hexagon form on components F1 & M1 in brass material.
- iii. Reduction to IPX8 depth and duration.
- iv. Re-introduction of silicone O-ring seal material 714177.

### **12 Certificate history and evaluation reports**

<b>Issue</b>	<b>Date</b>	<b>Associated report</b>	<b>Notes</b>
0	06 Sep 2019	R12052A/00	Issue of Prime Certificate
1	18 Feb 2020	R13039A/00	Introduction of Variation 1
2	21 May 2020	R12052A/01	Inclusion of additional specific condition of use
3	14 Dec 2021	R14802A/00	Introduction of Variation 3

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

### **13 Conditions of Manufacture**

None



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#### **14 Specific Conditions of Use (Special Conditions)**

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

- i. The Adaptors, Reducers, and Elbows are manufactured with a cylindrical joint between the entry body and threaded ferrule. This joint shall not be repaired.
- ii. The Adaptors, Reducers, and Elbows shall not be used outside their service temperature range of -60°C to +135°C.
- iii. The Adaptors, Reducers, and Elbows, when used in Group I (mining) applications, shall be mounted in a location with low risk of mechanical damage.

## Certificate Annex

**Certificate Number** CML 19ATEX1330X  
**Equipment** RA\*\* Range of Rotating Adaptors Reducers and Elbows  
**Manufacturer** Peppers Cable Glands Limited



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

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
PCG/ATX/RAFF	1 to 3	1	06 Sep 2019	RA – Series Rotating Adaptors & Reducers Female – Female
PCG/ATX/RAFF 90	1 to 3	1	06 Sep 2019	RA 90 – Series Rotating Adaptors & Reducers Female – Female
PCG/ATX/RAMF	1 to 3	1	06 Sep 2019	RA – Series Rotating Adaptors & Reducers Male – Female
PCG/ATX/RAMF 90	1 to 3	1	06 Sep 2019	RA 90 – Series Rotating Adaptors & Reducers Male – Female
PCG/ATX/RAMM	1 to 3	1	06 Sep 2019	RA – Series Rotating Adaptors & Reducers Male – Male
PCG/ATX/RAMM 90	1 to 3	1	06 Sep 2019	RA 90 – Series Rotating Adaptors & Reducers Male – Male
PCG/OR	1 of 1	15	06 Sep 2019	O-Ring Seal – CR & UL Barrier Cable Glands and RA Range Internal O-ring Seal
PCG/ATX/ARSNPRG	1 of 1	1	06 Sep 2019	Snap Ring
PCG/MATS/SB	1 of 1	5	06 Sep 2019	Standard Materials ATEX Certified Glands Using “M”, “V” AND “N” Components

### Issue 1

Drawing No	Sheets	Rev	Approved date	Title
PCG/ATX/RAFF	1 to 3	2	18 Feb 2020	RA – Series Rotating Adaptors & Reducers Female – Female Options
PCG/ATX/RAFF 90	1 to 3	2	18 Feb 2020	RA 90 – Series Rotating Adaptors & Reducers Female – Female Options
PCG/ATX/RAMF	1 to 3	2	18 Feb 2020	RA – Series Rotating Adaptors & Reducers Male – Female Options
PCG/ATX/RAMF 90	1 to 3	2	18 Feb 2020	RA 90 – Series Rotating Adaptors & Reducers Male – Female Options
PCG/ATX/RAMM	1 to 3	2	18 Feb 2020	RA – Series Rotating Adaptors & Reducers Male – Male Options
PCG/ATX/RAMM 90	1 to 3	2	18 Feb 2020	RA 90 – Series Rotating Adaptors & Reducers Male – Male Options

## Certificate Annex

**Certificate Number** CML 19ATEX1330X  
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Drawing No	Sheets	Rev	Approved date	Title
PCG/AROR	1 of 1	1	18 Feb 2020	Accessory Component – O-Ring Seal – RA Range Internal O-ring Seals
PCG/ATX/ARSNPRG	1 of 1	2	18 Feb 2020	Snap Ring

### Issue 2

No additional documents

### Issue 3

Drawing No	Sheets	Rev	Approved date	Title
PCG/ATX/RAFF	1 to 3	3	14 Dec 2021	RA - Series Rotating Adaptors & Reducers Female - Female
PCG/ATX/RAFF 90	1 to 3	3	14 Dec 2021	RA 90 - Series Rotating Adaptors & Reducers Female - Female
PCG/ATX/RAM	1 to 3	3	14 Dec 2021	RA - Series Rotating Adaptors & Reducers Male - Female
PCG/ATX/RAMF 90	1 to 3	3	14 Dec 2021	RA 90 - Series Rotating Adaptors & Reducers Male - Female
PCG/ATX/RAMM	1 to 3	3	14 Dec 2021	RA - Series Rotating Adaptors & Reducers Male - Male
PCG/ATX/RAMM 90	1 to 3	3	14 Dec 2021	RA 90 - Series Rotating Adaptors & Reducers Male – Male
PCG/AROR	1 of 1	2	14 Dec 2021	Accessory Component – O-Ring Seal – RA Range Internal O-ring Seals