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

Certificate No.:	IECEx SIR 07.0052X issue No.:0	Certificate history:
Status:	**Current**	
Date of Issue:	**2007-08-31**	Page 1 of 3

Applicant: **CMP Products Limited**
Glasshouse Street
St Peters
Newcastle upon Tyne NE6 1BE
United Kingdom

Electrical Apparatus: **Type 737, 797 and MA/TF Ranges of Adapters and Reducers**
Optional accessory:

Type of Protection: **Flameproof, Inceased safety and Dust**

Marking:
Type 737 Range
Ex d I / Ex e I / Ex d IIC / Ex e II / Ex tD A21 IP6X
Type 797 Range
Ex d I / Ex e I / Ex d IIC / Ex e II / Ex tD A21 IP6X
Type MA/TF Range
Ex d I

Approved for issue on behalf of the IECEx Certification Body: C Ellaby

Position: Certification Officer

Signature: (for printed version)

Date: 2007-08-31

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:

SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

sira CERTIFICATION

IECEx Certificate of Conformity

Certificate No.: IECEx SIR 07.0052X

Date of Issue: **2007-08-31** Issue No.: **0**

Manufacturer: **CMP Products Limited**
Glasshouse Street
St Peters
Newcastle upon Tyne NE6 1BE
United Kingdom

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 manufacture'rs 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:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/SIR/ExTR07.0064/00

Quality Assessment Report:
GB/SIR/QAR07.0009/00

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Schedule

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

The **Type 737 Range** of Adaptors and Reducers, the **Type 797 Range** of Adaptors and the **Type MA/TF Range** of Flanged Adaptors are fully defined in the Annexe of this certificate.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Only one of these devices shall be used per cable entry.
2. Types 737 Non metallic Adaptors and Reducers shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -20°C to +60°C.
3. The adaptors and reducers shall be assembled in such a way that their protrusion from an associated enclosure is not increased.
4. Any cable gland used with the adaptors and reducers shall be non-metallic and of the A2 type.
5. Refer to the manufacturer's instructions for the action necessary regarding electrostatic risk.
6. The interfaces between the male thread of the adaptor/reducer and an associated enclosure and between the female thread of the adaptor/reducer and the cable entry device cannot be defined. Therefore it is the installer's responsibility to ensure that the appropriate ingress protection level is maintained at these interfaces.
7. Types 737 & 797 Non metallic Adaptors and Reducers shall not be used in group I applications.

Annexe: 07_0052X_Issue0_Annexe.pdf

Annexe to: IECEx SIR 07.0052X

Applicant: CMP Products Ltd

Apparatus: Type 737 Range of Adaptors and Reducers
Type 797 Range of Adaptors
Type MA/TF Range of Flanged Adaptors

The **Type 737 Range** of Adaptors and Reducers are manufactured from metallic and non-metallic material and are used to convert an existing cable entry aperture to another thread form and/or size in an increased safety enclosure.They comprise a hollow hexagonal body, partly threaded from both ends, one end having a male thread and the other a female thread. Additionally, they may be used to convert an existing cable entry aperture to a different thread form and/or size. Thread combinations are such that a maximum of one 'standard' size difference is maintained. The adaptors and reducers may also be fitted with an optional O-ring seal.

Products can be marked with one or more of the following marking codes:

Ex d I / Ex e I / Ex d IIC / Ex e II / Ex tD A21 IP64

The **Type 797 Range** of Adaptors with entry thread form sizes between M16 x 1.5 and M100 x 2.0, intended for mounting to a threaded entry point on either flameproof or increased safety enclosures. They are metallic in manufacture and are used to convert an existing cable entry aperture to the opposite male or female thread form. They comprise a hollow body partly threaded from both sides with either male threads or female threads at each end. Additionally, they may be used to convert an existing cable entry aperture to a different thread form and/or size. Thread combinations are such that a maximum of one 'standard' size difference is maintained. The male to male threaded adaptors may also be fitted with optional O-ring seals.

Products can be marked with one or more of the following marking codes:

Ex d I / Ex e I / Ex d IIC / Ex e II / Ex tD A21 IP64

Threadform sizes for the Type 737 and 797 Range:

Adaptors	
Female Threadform	Male Threadform
M20 x 1.5*	M16 x 1.5
M25 x 1.5	M20 x 1.5
M32 x 1.5	M25 x 1.5
M40 x 1.5	M32 x 1.5
M50 x 1.5	M40 x 1.5
M63 x 1.5	M50 x 1.5
M75 x 1.5	M63 x 1.5
M90 x 2.0	M75 x 1.5
M100 x 2.0*	M90 x 2.0

Reducers	
FemaleThreadform	MaleThreadform
M16 x 1.5	M20 x 1.5
M20 x 1.5	M25 x 1.5
M25 x 1.5	M32 x 1.5
M32 x 1.5	M40 x 1.5
M40 x 1.5	M50 x 1.5
M50 x 1.5	M63 x 1.5
M63 x 1.5	M75 x 1.5
M75 x 1.5	M90 x 2.0
M90 x 2.0*	M100 x 2.0

* metallic sizes only, alternatively they are available from a non-metallic material thread form (type 737 only) sizes from M20 to M75 x 1.5 mm pitch inclusive and M90 x 2 mm pitch.

The **Type MA/TF Range** of Flanged Adaptors are metallic in manufacture, elliptical in shape and are bored out to allow for cable cores to pass through. One end of the adaptor is threaded with a metric male thread of medium fit (6g) thread. In sizes: 20S, 20, 25, 32, 40, 50S, 50, 63S, 63, 75S & 75. At the opposite end, the bore is enlarged to allow for a suitably certified non-threaded cable entry to be inserted. The threaded side of the MA/TF converter may have one thread size smaller than the equivalent non-threaded spigot entry.

The coding being:

Ex d I

Alternative materials of manufacture:

Brass - BS EN 12164:1998/BS1400
Aluminium - BS EN 755 Part 6:1996/BS EN 1706 (Not Group I)
Mild Steel - BS EN 10088 Part 3:1995
Stainless Steel - BS EN 10088 Part 3:1995
Glass reinforced flame retardant nylon (737 range only)

Date: 30 August 2007

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