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 07.0051U issue No.:2	Certificate history: Issue No. 2 (2009-2-11) Issue No. 1 (2008-7-31) Issue No. 0 (2007-8-31)
Status:	**Current**	
Date of Issue:	**2009-02-11**	Page 1 of 4

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

Electrical Apparatus: **Type 780 Ranges Union Adaptors**
Optional accessory:

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

Marking: **Ex d IIC / Ex e II / Ex tD A21 IP6X**

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

Position: Certification Officer

Signature:
(for printed version)

Date: 2009-02-11

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

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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 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 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
GB/SIR/ExTR08.0095/00
GB/SIR/ExTR09.0013/00

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 780 Range** of Union Adaptors, metallic in manufacture and intended for in-line cable gland connection of male to female threads when conventional adaptor/reducers are impractical. Additionally, they may be used to convert an existing cable entry aperture to a different threadform and/or size. Each union comprises a stepped male and partly female threaded internal components, an integral internal Viton O ring and an external part-threaded coupling component. The components are assembled such that flamepaths are formed by all threads, the non-threaded internal mating surfaces and between the two internal components themselves. They are designed such that connection at both ends is achieved without twisting the cable. Entry thread combinations are such that a maximum of one 'standard' size difference is maintained. See Annexe for design options and schedule of limitations.

Products can be marked with one or more of the following marking codes:
Ex d IIC / Ex e II / Ex tD A21 IP6X

CONDITIONS OF CERTIFICATION: NO

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 – this Issue introduced the following changes:	
1	The overall length of the 780 Union was increased, thus enabling a hexagon on the entry component to be included.
Issue 2 – this Issue introduced the following changes:	
1	The Type 780 unions were allowed to be alternatively machined with female threads at both ends, this version becomes the Type 780 F-F.

Annexe: 07_0051U_Issue2_Annexe.pdf