



Certificate of Compliance

Certificate: 1055233

Master Contract: 184585

Project: 80099269

Date Issued: 2022-11-14

Issued To: CMP Products Ltd
Glasshouse St.
St. Peters
Newcastle Upon Tyne, Tyne and Wear, NE6 1BS
United Kingdom

Attention: Jonathan Hichens

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: *Thong Tong*
Thong Tong

PRODUCTS

CLASS - C441803 - CONDUIT FITTINGS Fittings - For Hazardous Locations

CLASS - C441883 - CONDUIT FITTINGS Fittings - For Hazardous Locations - Certified to US Standards

Part A

Class I, Groups A, B, C and D; IP66, 67, 68; Enclosure Type 4X; Class II, Groups E, F and G; Class III Ex d e II, Class I, Zone 1, AEx d e II

Model No. 737 Series Adaptor and Reducer Thread Forms

Model No. 767 Series Stopping Plug Thread Forms

Class I, Groups A, B, C and D; IP66, 67, 68; Enclosure Type 4X; Ex d e II, Class I, Zone 1, AEx d e II;

Model No. 787 Series Right Angled adaptors



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Model No. 797 Series Male x Male and Female x Female adaptors

**Class I, Groups A, B, C and D; IP66, 67, 68; Enclosure Type 4X; DIP A;
Ex d e II, Class I, Zone 1, AEx d e II;**

Model No. 777 Insulated Adaptor, Ambient rated -60°C to +130°C

Part B

**Class I, Groups A, B, C and D; IP66, 67, 68, Enclosure Type 4X; Class II Groups E, F and G; Class III
Ex d e II, Class I, Zone 1, AEx d e II;**

Model No. 747 Series Stopping Plug Thread Forms

Class I, Groups A, B, C and D; IP66, 67, 68, Enclosure Type 4X; Ex d e II, Class I, Zone 1, AEx d e II;

Model No. 780 Series Union adaptor

Model No. 784 Series Angle Union adaptor

Model No. 789 Series Angle Union adaptor

Class I, Groups A, B, C and D; IP66, 67, 68, Enclosure Type 4X; Ex d e II, Class I, Zone 1, AEx de II;

Model No. PX780 Series Union Adaptor, Ambient rated -60°C to +85°C

Model No. PX784 Series Angle Union Adaptor, Ambient rated -60°C to +85°C

Model No. PX789 Series Angle Union Adaptor, Ambient rated -60°C to +85°C

For vertical or horizontal mounting, for use with manufacturer's Type EP2122 or Rapid Ex sealing compound, trade sizes ½ in NPT through 4 in NPT and M20 through M100 (Metric), when provided with NPT or a minimum of 10 full ISO metric threads.

Part C

Ex e II, Class I, Zone 1, AEx e II; IP66, 67, 68; Enclosure Type 4X; Class II Groups E, F and G; Class III

Model No. 757 series Hex Head Stopping Plugs

Ex e II, Class I, Zone 1, AEx e II; IP66, 67, 68; Enclosure Type 4X;

Model No. 781E Breather / Drain Plug (IP66 Only), Ambient rated -60°C to +130°C

Part D

Ex d IIC, Class I, Zone 1, AEx d IIC; Class I, Division 1, Group A,B,C,D; IP66; Enclosure Type 4X:

Model No. 781D Breather / Drain Plug, Ambient rated -60°C to +130°C

Part E

Ex e IIC Gb; IP66, 67, 68

Class I, Zone 1, AEx e IIC Gb; IP66, 67, 68



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Model No. 780E series Union adaptor, Ambient rated -60°C to 200°C or 180°C or 130°C depending on sealing method.

Seal Type	Ambient Temperature Range
Nylon Washer	-60°C to +130°C
Viton O-ring	-60°C to +180°C
Silicone O-ring	-60°C to +200°C

Condition of Acceptability

- i. O-ring must be used in order to maintain IP and temperature rating. A CMP Nylon Entry Thread Seal can be used but this will change the ambient rated temperature to -60°C to + 130°C.
- ii. Only one Union adaptor or reducer is to be used with any single cable entry on the associated equipment.
- iii. The interfaces between the male thread of the Union adaptor/reducer and an associated enclosure and between the female thread of the union 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.

Note: For the above Part A, B, C, D Type 4X is not applicable for products manufactured with mild steel.

APPLICABLE REQUIREMENTS

The following standards were used as a guide in the evaluation of the products covered by this report:

CSA C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations

CSA C22.2 No. 94-M1991 - Special Purpose Enclosures Enclosures For Electrical Equipment,
Environmental Considerations

CSA C22.2 No. 60079-0:07 - Electrical apparatus for explosive gas atmospheres - Part 0: General requirements

CSA C22.2 No. 60079-1:07 - Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosures
"d"

CSA C22.2 No 60079-7-12 - Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety "e"

CAN-CSA E61241-1-1:02 (R 2006) - Electrical apparatus for use in the presence of combustible dust – Part 1-1.

UL Standard 50, 11th Edition - Enclosures for Electrical Equipment

UL Standard 1203, 4th Edition - Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in
Hazardous (Classified) Locations

ANSI/UL 60079-0, 5th Edition - Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General
Requirements

ANSI/UL 60079-1, 5th Edition - Electrical Apparatus for Explosive Gas Atmospheres – Part 1: Flameproof
Enclosures "d"

ANSI/UL 60079-7, 2nd Edition - Electrical Apparatus for Explosive Gas Atmospheres – Part 7: Increased Safety



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MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

- (a) Submitter's Identification on the product and containing package.
- (b) Model designation or equivalent.
- (c) Serial number and/or date code, traceable to the month and year (at Least) of manufacture.
- (d) Trade size/Thread form identification
- (e) Complete hazardous location designation and CSA enclosure designation: As specified in the PRODUCTS section above. The word "Class" may be abbreviated "CL", the word "Division" may be abbreviated "DIV", and the word "Groups" may be abbreviated "GRP" or "GP". These markings may include:

Model No. 737 Series Adaptor and Reducer Thread Forms - Class I, Groups A, B, C and D; Class I, Zone 1, AEx de II; Encl. Type 4X; and/or Ex de II; IP66, 67, or 68.

Model No. 767 Series Stopping Plug Thread Forms - Class I, Groups A, B, C, and D; Class I, Zone 1, AEx de II; Encl. Type 4X; and/or Ex de II; IP66, 67, or 68.

Model No. 797 Series Male x Male and Female x Female adaptors – Class I, Groups A, B, C and D; Class I, Zone 1, AEx de II; Encl Type 4X; and/or Ex de II; IP66, 67, or 68

Model No. 787 Series Right Angled Adaptors – Class I, Groups A, B, C and D, Class I, Zone 1, AEx de II; Encl Type 4X; and/or Ex de II; IP66, 67, or 68.

Model No. 777 Insulated Adaptor Thread Forms – Class I, Groups A, B, C and D; Class I, Zone 1, AEx de II; Ex de IIC, DIP A, Encl Type 4X; IP66, 67, or 68

Model No. 747 Series Stopping Plug Thread Forms - Class I, Groups A, B, C and D, Class I, Zone 1, AEx de II; Encl. Type 4X, and/or Ex de II; IP66, 67, or 68.

Model No. 780 / PX780 Series Union Adaptors – Class I, Groups A, B, C and D, Class I, Zone 1, AEx de II; Encl Type 4X; and/or Ex de II; IP66, 67, or 68

Model No. 784 / PX784 Series Angle Union Adaptors – Class I, Groups A, B, C and D, Class I, Zone 1, AEx de II; Encl Type 4X; and/or Ex de II; IP66, 67, or 68



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Model No. 789 / PX789 Series Angle Union Adaptors – Class I, Groups A, B, C and D, Class I, Zone 1, AEx de II; Encl Type 4X; and/or Ex de II; IP66, 67, or 68

Note: (A)Ex de II may optionally be written as (A)Ex d II and / or (A)Ex e II

(f) Ordinary location designations and CSA enclosure designation markings may include:

Model No. 757 Series Hex Head Stopping Plugs Thread Forms – Ex e II and/or Class I, Zone 1, AEx e II, Encl. Type 4X; IP66, 67, or 68

Model No. 781E Breather Drain Plugs Thread Forms – Ex e II and/or Class I, Zone 1, AEx e II, Encl Type 4X; IP66

Model No. 781D Breather Drain Plugs Thread Forms – Ex d IIC and /or Class I, Zone 1; Class I, Division 1, Group A,B,C,D; AEx d IIC; IP66; Enclosure Type 4X:

Model No. 780E Series Union Adaptors– Ex e IIC Gb; IP66, 67, 68 and/or Class I, Zone 1, AEx e IIC Gb; IP66, 67, 68

(g) The CSA Mark with or without the “C” and “US” indicators, as shown on the Certificate of Conformity

(h) Ambient temperature rating: as specified in the PRODUCTS section above.

(i) Method of Protection markings (Ex – markings): As specified in the PRODUCTS section, above. The word “Class” may be abbreviated “CL”, the word “Zone” may be abbreviated “ZN”.

Jurisdictions in Canada require markings to be also in French. It is the responsibility of the Customer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the Customer to determine this requirement and have bilingual wording added to the “Markings”.

METHOD OF MARKING

The markings are permanent, etched or engraved on the body of the Adapter/Reducer/Stopping/Breather Drain Plug.

Notes:

Products certified under Class C441803, C441883 have been certified under CSA’s ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





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Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80099269	2022-11-14	Update to cCSAus report 1055233 (LR 113642) to cover addition of new model 780E which is identical to model 780 with the thread length modified from 15mm to 10mm. Model 780E is evaluated for increase safety "e" only. Ex e IIC Gb; IP66, 67, 68 Class I, Zone 1, AEx e IIC Gb; IP66, 67, 68
70012789	2014-10-02	Update to report 1055233 to clarify the acceptance of the materials using R17464B/00.
70007188	2014-07-10	Update of the report 1055233 to include revised drawings.
2708744	2014-05-09	Update to add Class II Groups E,F and G; Class III rating to the 737 adaptors and reducers and the 747, 757, 767 stopping plugs.
2686468	2014-01-07	Update to reduce the lower operating ambient from -20C° to -60C° for Model No. 781E Breather/Drain Plug.
2565072	2013-07-25	Update report 1055233 to include the 784, 789, PX784 and PX789 .
2540445	2012-12-20	Update of Report 1055233 to add a Class I Div 1 rating to Breather Drain Plug Model 781D.
2448658	2011-10-21	Update report 1055233 to include the new model 781D series based on acceptance of IEC Ex report GB/SIR/ExTR11.0090/00, change model 781 to 781E and add the model series PX780 based on acceptance of IEC Ex report GB/SIR/ExTR11.0232/00.
2354404	2010-11-02	Update report 1055233 to include new construction for the Model 777, Insulated Adaptor based on an IECEx report.
2303295	2010-05-04	Update of report 1055233 to include revised drawings.
2284672	2010-03-11	Update of report 1055233 to include IP66 in listing.



2115389	2008-12-03	Update of report 1055233 to Correct ratings based on project 2086316
2086316	2008-09-18	Update of report 1055233 to include minor construction changes to 780 Union
1911108	2007-07-19	Update to report 1055233 for 777 Insulated Adaptor Conduit Fitting for hazardous locations of Class I, Groups ABCD, NEMA 4X, E xde II, IP68
1794398	2007-03-06	Update to report 1055233 to include new Models of nipples, breather drain plugs and adaptors for use in hazardous locations (Zone and Div).
1055233	2000-09-29	Models 737, 767, 747, 757 (Adaptors, Reducers, Stopping Plugs)