

Certificate of Compliance

Certificate: 1524800

Master Contract: 224176

Project: 2144103

Date Issued: May 11, 2009

Issued to: BARTEC BENKE GmbH
Borsigstrasse 10
Reinbek / Hamburg D-21465
GERMANY

Attention: Mr Acksel

The products listed below are eligible to bear the CSA Mark shown



Issued by: E.Giusti

Authorized by: M.Hoendervangers



PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations
CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - CERTIFIED TO U.S. STANDARDS

Class I, Div. 2, Groups B, C, D.

Class I, Zone 1, Groups IIA or IIB or IIB +H2;

AEx dp IIXT5 or AEx dp [ib] IIXT5

Ex dp II X T5 or Ex dp [ib] IIX T5 where X may be A or B or B+H2:

- Distillation Point Analyzer Model DPA-4.1.H or -4.1.B or -4.1.A, rated 100V to 240V ac, 50/60 Hz, 1kW, with or without cooling unit rated 100V to 600V ac, 50/60 Hz, 3 ph or 1ph, 4 kW.

Note: Models with the optional cooling unit are temperature rated T4.

Class I, Div 2, Groups B, C, D.

Class I, Zone 1, Groups IIB or IIB+H2

AEx dp IIX T4 or AEx dp [ib]IIX T4

Ex dp IIXT4 or Ex dp [ib]IIX T4 where

X may be B or B+H2.

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- Cloud Point Analyzer Model CPA-4.1.H or -4.1.B, rated 100V to 240V ac, 50/60Hz, 1kW, with or without cooling unit rated 100V to 600V ac, 50/60Hz, 3 ph or 1ph, 4kW.

Class I, Div 2, Groups B, C, D.

Class I, Zone 1, Groups IIA or IIB or IIB+H2

AEx dp IIX T3 or T4

Ex dp IIXT3 or T4 where X may be A or B or B+H2.

- Flash Point Analyzer Model FPA-4.1.H or -4.1.B or -4.1.A, rated 100V to 240V ac, 50/60Hz, 1kW, with or without cooling unit rated 100V to 600V ac, 50/60Hz, 3 ph or 1ph, 4kW.

Class I, Div 2, Groups D or C or B.

Class I, Zone 1, Groups IIA or IIB or IIB+H2

AEx pdem [ib]IIX.T3

Ex pdem [ib]IIXT3 where X may be B or B+H2.

- Cold Filter Plugging Point Analyzer Model CFPP-4.1.B or -4.1.H rated 100V to 240V ac, 50/60Hz, with cooling unit rated 100V to 600V ac, 50/60Hz, 3 ph or 1ph, 4kW.

Class I, Div 2, Groups B, C, D.

Class I, Zone 1, Groups IIB or IIB+H2

AEx dp IIX T4

Ex dp IIX T4 where X may be B or B+H2.

- Freezing Point Analyzer Model FRP-4.1.H or -4.1.B rated 100V to 240V ac, 50/60Hz, with cooling unit rated 100V to 600V ac, 50/60Hz, 3 ph or 1ph, 4kW.

Class I, Div 2, Groups B, C, D.

Class I, Zone 1, Groups IIB or IIB+H2

AEx dpe IIX T4 or AEx dpe [ia]IIXT4

Exdpe IIX T4 or Exdpe [ia]IIXT4 where X may be B or B+H2.

- Pour Point Analyzer Model PPA-4.1.H or -4.1.B rated 100V to 240V ac, 50/60Hz, 1kW, with or without cooling unit rated 100V to 600V ac, 50/60Hz, 3 ph or 1ph, 4kW.

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APPLICABLE REQUIREMENTS

CSA Std C22.2 No.142-M1987-Process Control Equipment

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

CSA Std C22.2 No.174-M1984 Cables and Cable Glands for Use in Hazardous Locations

CSA Std C22.2 No.213-M1987-Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

CAN/CSA E60079-0-07 – Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General Requirements

CAN/CSA E60079-1-07 - Electrical Apparatus for Explosive Gas Atmospheres – Part 1: Flameproof Enclosures “d”

CAN/CSA E60079-2-02 (R2006) – Electrical Apparatus for Explosive Gas Atmospheres – Part 2: Pressurized Enclosures “p”

CAN/CSA-E79-7-03 – Electrical Apparatus for Explosive Gas Atmospheres – Part 7: Increased Safety “e”

CAN/CSA-E60079-11-02 (2006) – Electrical Apparatus for Explosive Gas Atmospheres – Part 11: Intrinsic Safety “I”.

CAN/CSA-E60079-15-02 (R2006)– Electrical Apparatus for Explosive Gas Atmospheres – Part 15: Type of Protection “n”

UL Std No. 1203, Third Ed. - 2000 - Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations

UL Std No. 1604, Third Ed. - 1994 - Electrical Equipment for Use in Class I and II, Division 2; Class III Hazardous (Classified) Locations

ANSI/UL 60079-0 First Ed. - 2002 - Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements

ANSI/UL 60079-1 First Ed. - 2002 - Electrical Apparatus for Explosive Gas Atmospheres - Part 1: Flameproof Enclosures "d"

ANSI/UL 60079-7 First Ed. - 2002 - Electrical Apparatus for Explosive Gas Atmospheres - Part 7: Increased Safety "e"

ANSI/UL 60079-11 First Ed. - 2002 - Electrical Apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety "i"

ANSI/UL 60079-15 First Ed. - 2002 - Electrical Apparatus for Explosive Gas Atmospheres - Part 15: Electrical Apparatus with Type of Protection "n"

NFPA 496 - Purged and Pressurized Enclosures for Electrical Equipment.

TIL - 13A - Interim Certification Requirements for Purged and Pressurized Electrical Equipment for Use in Class I Hazardous Locations

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MARKINGS

Markings appear on metallic nameplate riveted on product enclosure. Different markings are detailed in the following documents:

DPA-4: illustration 4 (name plate), 13 and 14 (labels), 12 and 27 (label location)

CPA-4: illustration 28 (name plate), 13 and 14 (labels), 12 (label location)

PPA-4: illustration 49 (name plate), 13 and 14 (labels), 12 (label location)

CFPP-4: illustration 38 (name plate), 13 and 14 (labels), 12 (label location)

FPA-4: illustration 32 (name plate), 13 and 14 and 33 (labels), 12 (label location)

FRP-4: illustration 43(name plate), 13 and 14 (labels), 12 (label location)

All nameplate materials were evaluated and accepted in previous edition of CSA report.



CSA INTERNATIONAL

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
2144103	May 11, 2009	Update to project 1632419 to include design modifications on DPA and PPA and to include optional chiller unit xKSx-KWS-/x/x
1632419	April 25, 2005	Update to report 1524800 to cover minor revisions to DPA-4.1 and addition of similar Models.
1524800	March 5, 2004	Original cCSAus Certification.