

Certificate of Compliance

Certificate: 1161897 (LR 68526)

Master Contract: 155295

Project: 1400708

Date Issued: January 20, 2003

Issued to: ABB Bomem Inc.

585 boul. Charest est, suite 300

Quebec, QC G1K 9H4

*The products listed below are eligible to bear the CSA Mark shown
with adjacent indicators 'C' and 'US'*



Issued by:


Robert Douville, Eng.

Authorized by: Alain Ste-Marie


Operations Manager

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

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

PART A:

Class I, Groups A, B, C and D, Div. 2:

Optichrom Advance FTIR Part No 2013810 rated 120V ac, 10A max Temp Code T4, with integral intrinsically safe barrier board (P/N 2000189) which provides intrinsically safe circuits for portable service panel (P/N 2000322) Temp Code T4 at 50°C ambient temperature and application cartridge (P/N 2000327) Temp Code T4 at 50°C ambient temperature. Certified when provided with an air supply and purged and pressurized in accordance with NFPA 496, Type Z.

PART B:

Class I, Groups A, B, C and D, Div. 2:

FTIR units, Models AFT160, AFT154, AFT104, AFT102, AFT100, rated max. 230 volts, 7 Amp / 115 volt 15 Amp, Temp. Code T4 at 50°C ambient temperature. Certified when provided with air supply and purged and pressurized in accordance with NFPA 496, Type Z.

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



CSA INTERNATIONAL

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PART C:

Class I, Groups A, B, C and D, Div. 2:

FTTR units, Models FTPA2000-400, FTPA2000-402, FTPA2000-404, FTPA2000-454 and FTPA2000-460, rated max. 230 volts, 7 Amp / 115 volt 15 Amp., Temp. Code T4 at 50°C ambient temperature. Certified when provided with air supply and purged and pressurized in accordance with NPPA 496, Type Z.

The Models 4XX may be followed by one or two characters used for further detailed differentiation of the product for marketing purpose.

APPLICABLE REQUIREMENTS

- CSA Std C22.2 No. 142-M1987 Process Control Equipment
- CAN/CSA-C22.2 No. 157-92 Intrinsically Safe and Non-Incentive Equipment for Use in Hazardous Locations
- CSA Std C22.2 No. 213-M1987 Non-Incentive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
- T.I.L. E13A Requirements for Purged and Pressurized Enclosures
- UL Std No. 913 Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations
- UL Std No. 1092 Process Control Equipment
- UL Std No. 1604 Electrical Equipment for Use in Class I and II, Division 2; Class III Hazardous (Classified) Locations
- NPPA 496 Purged and Pressurized Enclosures for Electrical Equipment 1993 Edition

Supplement to Certificate of Compliance

Certificate: 1161897 (LR68526)

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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
1400708	January 20, 2003	Addition of models FTPA2000-400, -402, -404, -454, -460.
126596	May 2, 2002	Addition of Models AFT160, AFT154, AFT104, AFT102, AFT100.
1161897	February 20, 2001	Original Certification.