



Certificate of Compliance

Certificate: 70104984

Master Contract: 220369

Project: 70104984

Date Issued: April 17, 2019

Issued to: Biffi Italia SRL
Strada Biffi 165
29017 Fiorenzuola d'Arda PC
Piacenza,
Italy

Attention: Lorenzo Vigliano

The products listed below 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 US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: B Spencer

PRODUCTS

CLASS 2258 02 – PROCESS CONTROL EQUIPMENT For Hazardous Locations

Class I Division 1 Groups B, C, D T4

Class II, Groups E, F, and G; Class III

Ex db ia IIC T4 Gb

Ex tb IIIC T135°C Db

Integrated Monitoring Valve System, Model IMVS2000v2, Ambient temperature range -40°C to +75°C; Type 4, 4X, 6, IP66/68.

Class I Division 1 Groups C, D T4

Class II, Groups E, F, and G; Class III

Ex db ia IIB T4 Gb

Ex tb IIIC T135°C Db

Integrated Monitoring Valve System, Model IMVS2000v2 with optional local indicator, Ambient temperature range -40°C to +75°C; Type 4, 4X, 6, IP66/68.



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CLASS 2258 82 – PROCESS CONTROL EQUIPMENT For Hazardous Locations - Certified to US Standards

Class I Division 1 Groups B, C, D T4

Class II, Groups E, F, and G; Class III

Class I Zone 1 AEx db ia IIC T4 Gb

Zone 21 AEx tb IIIC T135 Db

Integrated Monitoring Valve System, Model IMVS2000v2, Ambient temperature range -40°C to +75°C; Type 4, 4X, 6, IP66/68.

Class I Division 1 Groups C, D T4

Class II, Groups E, F, and G; Class III

Class I Zone 1 AEx db ia IIB T4 Gb

Zone 21 AEx tb IIIC T135 Db

Integrated Monitoring Valve System, Model IMVS2000v2 with optional local indicator, Ambient temperature range -40°C to +75°C; Type 4, 4X, 6, IP66/68.

Integrated Monitoring Valve System

Model : IMVS2000v2

Type : 234IMVxxxxxxxx

Options: local indicator (beacon)

Supply Voltage : 24Vdc to 48Vdc

Supply Current : 125mA (24Vdc), 62.5mA (48Vdc)

Process pressure : 345 bar maximum

: 180 bar maximum (explosive fluids)

Process temperature : -40 °C to +75 °C

Conditions of Acceptability:

1. The flameproof joints are not intended to be repaired but where necessary the original manufacturer shall be contacted for guidance and information on the dimensions of the flameproof joints.
2. The user shall be aware that all external fasteners on which the flameproof enclosure depends are stainless steel socket head cap screws class A4 -grade 70.
3. Equipment is only to be installed by manufacturer trained personnel.
4. The scope of this approval does not include any safety related function, performance or reliability of the equipment.
5. If at any time there is a conflict between the system safety provisions and any relevant local (national Or regional) requirements, the local requirements always take precedence



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APPLICABLE REQUIREMENTS

- CAN/CSA-C22.2 No. 61010-1-12 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
- UL Std. No. 61010-1 (3rd Edition) - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
- CAN/CSA-C22.2 No. 0-10 (R2015) - Canadian Electrical Code, Part II - General requirements
- CAN/CSA-C22.2 No. 60079-0:15 - Electrical apparatus for explosive gas atmospheres- Part 0: General requirements
- CAN/CSA-C22.2 No. 60079-1:16 - Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
- CAN/CSA-C22.2 No 60079-11:14 - Explosive atmospheres — Part 11: Equipment protection by intrinsic safety “i”
- CAN/CSA-C22.2 No 60079-31:15 - Explosive atmospheres — Part 31: Equipment dust ignition protection by enclosure "t"
- CAN/CSA-C22.2 No.30-M1986 (2016) - Explosion-Proof Enclosures for Use in Class I Hazardous Locations
- CAN/CSA-C22.2 No 25:1966 (R2014) - Enclosures for Use in Class II Groups E, F, and G Hazardous Locations.
- CAN/CSA C22.2 No 157 - Intrinsically safe and non-incendive equipment or use in hazardous locations
- ANSI/ISA 60079-0: Ed 6 - Electrical Apparatus for Explosive Gas Atmospheres - Part 0: Equipment - General Requirements
- ANSI/ISA 60079-1: Ed 6 - Explosive Atmospheres - Part 1: Equipment Protection by Flameproof Enclosures “d”
- ANSI/ISA 60079-11: Ed 6.2 - Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”
- ANSI/ISA 60079-31: Ed 6 - Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection by Enclosure “t”
- FM 3600:2011 - Electrical Equipment for Use in Hazardous (Classified) Locations General Requirements
- FM 3615:2006 - Explosionproof Electrical Equipment, General Requirements
- FM 3610:2015 - Intrinsically Safe Apparatus for Use in Class I, II and III, Division 1
- FM 3616:2011 - Dust-Ignitionproof Electrical Equipment, General Requirements
- CSA C22.2 No. 94.2-15 / UL50E - Enclosures for Electrical Equipment, Environmental Considerations



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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.

The following markings are provided on an engraved stainless steel nameplate secured with non-removable fasteners in blind bottomed holes.

- Manufacturer's name: Biffi Italia
- Model designation: As specified in the PRODUCTS section, above.
- Electrical ratings: As specified in the PRODUCTS section, above.
- Ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to year and month of manufacture.
- Enclosure ratings: As specified in the PRODUCTS section, above.
- The CSA Mark, as shown on the Certificate of Conformity.
- The designation: CSA19CA70104984X.
- Method of Protection markings (Ex -- markings).
- Temperature code: As specified in the PRODUCTS section, above.
- Rated maximum working pressure, as specified in the PRODUCTS section, above.
- ISO 60417, Symbol 5019  adjacent to the equipment ground (protective conductor) terminal.
- The following warnings
- "WARNING – DO NOT OPEN WHEN ENERGISED"
- "AVERTISSEMENT – NE PAS OUVRIR SOUS TENSION"
- "WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT"
- "AVERTISSEMENT - NE PAS OUVRIR SI UNE ATMOSPHERE EXPLOSIVE GAZEUSE EST PRÉSENTE"
- "WARNING - A SEAL SHALL BE INSTALLED WITHIN 50 mm OF THE ENCLOSURE"
- "AVERTISSEMENT - UN SCÉLLEMENT DOIT ÊTRE INSTALLÉ À MOINS DE 50 mm DU BOÎTIER"