



Certificate of Compliance

Certificate: 1382688

Master Contract: 150143

Project: 80038812

Date Issued: 2021-03-10

Issued To: Altronic, LLC
712 Trumbull Ave
Girard, Ohio, 44420
United States

Attention: Glenn Terry

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:

Joshua Burdeshaw



PRODUCTS

CLASS – 3228 01 - VALVES For Hazardous Locations

CLASS – 3228 81 - VALVES For Hazardous Locations - Certified to US Standards

Class I, Division 1, Group D; Temp Code T4;

- Model AGV5 followed by a “-“ followed by 1A or 2A - Natural Gas Fuel Metering Valve, permanently connected, rated 24Vdc, 2.0A. Ambient temperature range: $-50^{\circ}\text{C} \leq T_a \leq +85^{\circ}\text{C}$; Maximum rated pressure 150psi. ANSI CLASS 150 2” Pipe Flange Connections.

Class I, Division 2, Group D; Temp Code T4,



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- Model AGV5 followed by “-“ followed by 1AC or 2AC - Natural Gas Fuel Metering Valve with MS connector 893004-X, permanently connected, rated 24Vdc, 2.0A. Ambient temperature range: $-50^{\circ}\text{C} \leq T_a \leq +85^{\circ}\text{C}$; Maximum rated pressure 150 psi. ANSI CLASS 150 2” Pipe Flange Connections.

Model Code:

AGV5 followed by “-“ followed by A, 1AC, 2A or 2AC

Where:

- 1A - Gas Fuel Valves for engines up to 3,500 HP
- 1AC - Gas Fuel Valves for engines up to 3,500 HP with MS Connector (893004)
- 2A - Gas Fuel Valves for engines from 3,500 to 10,000 HP
- 2AC - Gas Fuel Valves for engines from 3,500 to 10,000 HP with MS Connector (893004)

Optional Items:

- Harness, 48” (MS connector option) ... 293023-16
- Harness, 84” (MS connector option) ... 293026-16
- Harness, 96” (MS connector option) ... 293028-16
- Harness, 144” (MS connector option) ... 293027-16

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 0-10	General Requirements - Canadian Electrical Code, Part II
CAN/CSA C22.2 No. 30-M1986 Third Edition	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA C22.2 No. 139:19	Electrically Operated Valves
CAN/CSA C22.2 No. 213-17 + UPD 1 (2018) + UPD 2 (2019)	Nonincendive electrical equipment for use in Class I and II, Division 2 and Class III, Divisions 1 and 2 hazardous (classified) locations
ANSI/UL 1203-18 Fifth Edition	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
ANSI/UL 429 Seventh Edition (January 16, 2020)	STANDARD FOR SAFETY Electrically Operated Valves
ANSI/UL 121201-2017 (R2019) Ninth Edition	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.



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- 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 appear on an aluminum plate no less than 0.5 mm thick, permanently attached to the enclosure cover by means of three 4-40 X 1/8 rd. head screws secured with Loctite. All markings are screen printed except model number and serial number are stamped.

- Manufacturer's name: "Altronic", or CSA Master Contract Number "150143", or approved Trademark/Tradename registered with CSA Group, adjacent to the CSA Mark in lieu of manufacturer's name.
 - Model number: 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.
 - The CSA Mark, as shown on the Certificate of Conformity.
 - Temperature code: As specified in the PRODUCTS section, above.
 - The CSA Mark with or without "C" and "US" indicators, as shown on the Certificate of Conformity.
 - Hazardous Location designation: As specified in the PRODUCTS section, above (may be abbreviated).
 - Rated maximum working pressure, as specified in the PRODUCTS section, above.
 - Direction of Flow
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- For Class I Division 2: the following words on the device:
 - "WARNING – EXPLOSION HAZARD - Substitution of components may impair suitability for Class I, Division 2."
 - "WARNING – EXPLOSION HAZARD – Do not disconnect while circuit is live unless area is known to be nonhazardous."
 - For Class I, Division 1: the following words on the device:
 - "OPEN CIRCUIT BEFORE REMOVING COVER" or "KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE".



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
80038812	2021-03-10	<p>Update to report 1382688 for non-conformance issues noted in (FC# 150144) FIR dated June 4, 2018 and January 15, 2015.</p> <p>Update to cCSAus report 150143-1382688 (last updated under project 2672512) in response to FIR findings: (a) 4 revised drawings, (b) missing warning markings and pressure rating markings, (c) metallic nameplate, (d) missing manual contents. Report contents and formatting updated / clarified.</p> <p>Withdrawn standards UL 1002 and UL 1604 replaced by / reassessed to UL 429 and UL 121201 respectively. Standards C22.2 No. 0, C22.2 No. 139, C22.2 No. 213 and UL 1203 updated to latest editions.</p>
0002672512	2013-11-21	Update to Report 1382688 to include updated drawings
0002658597	2013-10-08	Update report 1382688 to include the revisions required from Factory Inspection report 150144 that require Warning marking updates on the device and manual and drawing revision level updates.
0002399476	2011-03-14	Update to report 1382688 to remove label drawing and change means of marking product.
0001783353	2006-06-05	Addition of CSA/US Certification
0001470077	2003-12-15	Update to Report 1382688 to include alternate construction.