



Certificate of Compliance

Certificate: 70011088

Master Contract: 157406

Project: 80163254

Date Issued: 2023/11/07

Issued To: Karl Dungs Inc
3890 Pheasant Ridge Dr NE
Blaine, Minnesota, 55449
United States

Attention: Kevin Carlisle

Issued by:

Ashutosh Bandekar



PRODUCTS

CLASS - C337801 - VALVES (GAS) Electrically Operated - For Use in Hazardous Locations

CLASS - C337881 - VALVES (GAS)-Electrically Operated For Use in Hazardous Locations-Certified to U.S. Standards

Class I, Division 2, Groups B, C and D, Temperature code T4A

Single Automatic Valve

Trade Name: DUNGS

For use with Natural, Mfd., Mixed, Propane, Liq. Pet. Gases and LP Gas-Air Mixtures

Model Number	Capacity (Btu/Hr.)	Size(NPT)	PSIG
CV 10020/602 VIP, HPSV 10020/604 VIP	11,627,250	2	100
CV 10020/614 HL & HPSV 10020/614 HL	11,627,250	2	100
HPSV 10020/614 PI	11,627,250	2	100
CV 10020/614 PI	11,627,250	2	100



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Flange Installation: A105, ANSI B16.5, 150 Lbs, 2"NPT (F)
Electrical ratings: 24VDC
Power consumption: 45W
Ambient temperature range: -20°F to 140°F (-29 °C to 60 °C)
Max operating pressure: 100PSI
Mounting Position: Solenoid vertical to horizontal
Closing/opening time: < 1 sec

Conditions of Acceptability:

- 1) Model number CV 10020/602 VIP uses Coil 250 CV VIP, and HPSV 10020/604 VIP uses Coil 250 HPSV VIP and Model CV 10020/614 HL uses Coil 250 CV HL & HPSV 10020/614 HL uses Coil 250 HPSV HL, HPSV 10020/614 VI uses coil 250 HPSV PI
- 2) For HL version: Proximity switch must be operated within its ratings (3A@24 VDC or 4A@110/120VAC)
For PI version: Proximity switch must be operated within its ratings: (24 VDC & 110 / 120 VAC: min. 0.02 A; max. 0.25 A)
- 3) This product is certified for use in a final assembly, installed and wired in accordance with the requirements of CEC and NEC for Class I, Division 2. The final installation shall be subjected to acceptance of local Authority Having Jurisdiction.

APPLICABLE REQUIREMENTS

ANSI Z21.21-2019 CSA 6.5-2019	Automatic Valves for Gas Appliances (Part I through Part IV)
ANSI/ISA-12.12.01-2021	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
CAN/CSA C22.2 No. 213-2021	Non-incendive electrical equipment for use in class I, division 2 hazardous locations

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.



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Nameplate adhesive label material approval information:

Method of Marking: An adhesive label is used, UL Recognized for US and Canada and suitable for outdoor applications.

Adhesive printed nameplate:

Material: Polyester 3M 7879EJ silver Matt
Ink: Armor AXR-7+

Following details must appear on nameplate of equipment:

- Manufacturer's name: "DUNGS", or CSA Master Contract Number "157406", adjacent to the CSA Mark in lieu of manufacturer's name.
- Model number: As specified in the PRODUCTS section, above.
- Electrical ratings: 24 VDC, 45W
- Ambient temperature rating Ta: -20°F to 140°F OR -29°C to 60°C
- Manufacturing date in MMY format, or serial number, traceable to year and month of manufacture.
- Enclosure ratings: Type 4
- The CSA Mark with or without "C" and "US" indicators, as shown on the Certificate of Conformity.
- Hazardous Location designation: **Class I, Division 2, Groups B, C and D, T4A**
"WARNING – EXPLOSION HAZARD - Substitution of components may impair suitability for Class I, Division 2."

AVERTISSEMENT- RISQUE D'EXPLOSION - LA SUBSTITUTION DE COMPOSANTS PEUT RENDRE CE MATERIEL INACCEPTABLE POUR LES EM- PLACEMENTS DE CLASSE I, DIVISION 2;

- "WARNING – EXPLOSION HAZARD – Do not connect while circuit is live unless area is known to be nonhazardous."

AVERTISSEMENT - RISQUE D'EXPLOSION. NE PAS DÉBRANCHER TANT QUE LE CIRCUIT EST SOUS TENSION, À MOINS QU'IL NE S'AGISSE D'UN EMPLACEMENT NON DANGEREUX.

- "Install per drawing 263756/264712"

COMMERCIAL/INDUSTRIAL SAFETY GAS SHUT-OFF VALVES shall include the following Markings:

1. The designation "C/I" shall appear on the valve. The minimum height of the letters "C/I" shall each be 3/32 in (2.4 mm) high;
2. The list of gases for which the valve is tested shall appear on the valve;

Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".

Notes:



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
80163254	2023-11-07	FIR follow-up, update to Report 70011088 for non-conformance issues noted in (FC# 157407) FIR dated February 15, 2023, drawing update.
80105068	2022-04-21	Update of report # 70011088 DUNGS Single Automatic Gas Valve Model Number CV 10020/602 VIP and HPSV 10020/604 VIP for addition of Group B evaluation to Hazardous Location rating, and addition of option to mount FS Series proximity switches. This project includes updates to 213-M1987 per certification notice Hazloc No. 28. Removed CSA No. 94.1, 94.2, UL50 and UL 50E and Type 4 ratings from the report per customer's request.
80077340	2021-06-09	Update to Report 70011088 to address FIR findings and delist models CV 10020/602 and HPSV 10020/604.
70174393	2018-04-05	Update Report 70011088 to update note in product and marking section as "This product is certified for use in a final assembly, installed and wired in accordance with the requirements of CEC and NEC for Class I, Division 2. The final installation shall be subject to acceptance of local authority having jurisdiction" Currently note says as "Note: Wiring for CV model shall be Ex ia, Ex ib, Ex ic, or Nonincendive field wiring, as defined under the Canadian Electrical Code, C22.1 and the National Electrical Code, NFPA 70."
70128690	2017-06-21	Revise report 70011088 to revise nameplate drawing.
70048925	2016-01-15	Update to report 70011088 was made to add Type 4 ratings and add drawings.
70046249	2015-09-30	Update to report 70011088 to update drawings.
70021109	2015-01-30	Addition of classes 3378 01, 3378 81 in Germany for Hazardous locations.
70011088	2014-12-05	(DAL126; 1of1; cCSAus) # Evaluation for possible cCSAus Certification of Gas Safety Valves, Models CV 10020/604 and HPSV 10020/604 for Class I, Division 2, Rated 24 VDC.