



Certificate of Compliance

Certificate: (085902_0_000)

Master Contract: 152218

Project: 70106567

Date Issued: 2016-12-28

Issued to: **Mac Valves Incorporated**
30569 Beck Rd
Wixom, Michigan 48393, USA
Attention: **Laura Lally**

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



Issued by: **Siros Ghanbar-zadeh**
Siros Ghanbarzadeh

PRODUCTS

CLASS - C322801 - VALVES-For Hazardous Locations

Class I, Division 1, Groups B, C and D; Class II, Groups E, F, and G:

Series 200B solenoid operated in-line and manifold air valves.

Notes:

1. Suffix numbers are added to the series designation to form a model number indicating type, size, electrical ratings (refer to the Note 2), enclosure, modifications.
2. Electrical rating suffix numbers/parameters:
3. "-11" (110/ 120V, 50/ 60 Hz, 15W); "-12" (220/ 240V, 50/ 60 Hz, 15W); "-22" (24V, 50/ 60 Hz, 14/12W); "-50" (24Vdc, 6W); "-55" (12Vdc, 6W); "-60" (12Vdc, 9.5W); "-61" (24Vdc, 8.5W).
4. Maximum rated fluid and ambient temperature 40°C, maximum pressure 1035kPa (150 psi).

APPLICABLE REQUIREMENTS

C22.2 No. 0 - 10	General Requirements – Canadian Electrical Code, Part II
C22.2 No. 0.4 - M1982(R 2006)	Bonding and Grounding of Electrical Equipment (Protective Grounding)
C22.2 No. 0.5 - M1982(R 2003)	Threaded Conduit Entries
C22.2 No. 25 - 1966(R 2004)	Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
C22.2 No. 30 - M1986(R 2007)	Explosion-proof Enclosures for Use in Class I Hazardous Locations
C22.2 No. 139 - 10	Electrically Operated Valves



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MARKINGS

Product markings shall be in accordance with the related standards. In addition, it shall be the responsibility of the manufacturer to provide additional markings on the product to comply with the requirements of the local regulatory authorities. For example, in Canada, any caution and warning markings must be provided in French and English.

Submitter's name, model designation, complete electrical rating, maximum working pressure in kPa, hazardous location designation, temperature code (T4A), bilingual caution re use in hazardous locations and the CSA Monogram on metal nameplate (Fig 12) attached to the "retainer plug" (Fig 7) in the cover (Fig 6) recess with the screw (Fig 11).

Notes:

1. The manufacturing date code is die-stamped onto the valve body.
2. Each solenoid coil is permanently marked with submittor's name, part number, voltage and hertz.

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".



Supplement to Certificate of Compliance

Certificate: (085902_0_000)

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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
70106567	2016-12-28	Update to certificate # 1342775 for non-conformance issues as noted in FIR dated Oct. 21, 2016 (FC# 152221) update of drawings
2539554	Jul 17, 2012	Update to include revised drawings.
2360580	Nov 05, 2010	Update of Report 1342775 to include revised drawings.
1342775	August 30, 2002	Update Report LR85902-1 to include a new Model 275B and Modification M603
-1	June 13, 1989	Original Certification