



Certificate of Compliance

Certificate: 2298432

Master Contract: 218481

Project: 2298432

Date Issued: January 4, 2011

Issued to: Max-Air Technology, Inc.

751 Hoff Rd
O'Fallon, MO 63366
USA

Attention: Jeffrey Ellebrecht

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.



Scott Wallace

Issued by: Scott Wallace

PRODUCTS

CLASS 3228 01 - VALVES - For Hazardous Locations

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

Class I, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III; T4

- Electrically Operated Solenoid Pneumatic Valves; Models SV71, SV72, and SV73; rated 24Vdc, 0.09A; Intrinsically Safe (System) when connected to a CSA Certified barrier device, rated 28V max, 300 ohms min; Intrinsically Safe (Entity) with entity parameters of: $V_{max} = 28V$, $I_{max} = 115mA$, $L_i = 0$, $C_i = 0$ when installed per installation dwg 1259 06 400; Ambient temperature $-10^{\circ}C$ to $+50^{\circ}C$. Pressure range 30psi to 120psi, Maximum Working Pressure 120psi.

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

Ex m II T4

AEx m II T4

- Electrically Operated Solenoid Pneumatic Valves; Models SV91, SV92, and SV93; rated 24Vdc, 191mA; 120Vac 60Hz, 57mA; 240Vac 60Hz, 28mA; Ambient temperature $-10^{\circ}C$ to $+50^{\circ}C$. Pressure range 30psi to 120psi, Maximum Working Pressure 120psi.



Certificate: 2298432

Master Contract: 218481

Project: 2298432

Date Issued: January 4, 2011

APPLICABLE REQUIREMENTS

All Models	
CAN/CSA C22.2 No. 0-M91	General Requirements - Canadian Electrical Code, Part II
CSA Standard C22.2 No. 139-10	Electrically Operated Valves
CSA Std C22.2 No. 25-1966	Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
UL 429, 6th Edition	Electrically Operated Valves
FM 3600, Nov. 1998	Electrical Equipment for Use in Hazardous (Classified) Locations, General Requirements.
FM 3810 (Including supplement #1), Mar. 1989 (July 1995)	Electrical and Electronic Test, Measuring and Process Control Equipment.
Model SV71, SV72 and SV73	
CAN/CSA Std C22.2 No. 14-05 <i>(with updates 1-3, April 2008)</i>	Industrial Control Equipment
CAN/CSA Std C22.2 No. 157-92 <i>(Reaffirmed 2006)</i>	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations.
FM 3610, Oct. 1999	Intrinsically Safe Apparatus and Associated Apparatus for Use on Class I Zone 0 & 1 Hazardous (Classified) Locations.
Model SV91, SV92 and SV93	
CSA Std C22.2 No. 142-M1987	Process Control Equipment
CAN/CSA E79-0-95	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
CAN/CSA E79-18-95	Electrical apparatus for explosive gas atmospheres - Part 18: Encapsulation "m"
CSA Std C22.2 No. 30-M1986 <i>(Reaffirmed 2007)</i>	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
UL 1002, 7th Edition	Electrically Operated Valves For Use in Hazardous (Classified) Locations.
FM 3615, Mar. 1989	Explosionproof Electrical Equipment – General Requirements
ANSI/ISA-S12.0.01-1998	Electrical Apparatus for Use in Class I Zone 0 & 1 Hazardous (Classified) Locations – General Requirements.
ISA-S12.23.01-1998	Electrical Apparatus for Use in Class I Zone 2 Hazardous (Classified) Locations - Type of Protection "m"



Certificate: 2298432

Master Contract: 218481

Project: 2298432

Date Issued: January 4, 2011

The following standard was used in whole or in part	as a guideline for all models.
UL 1203 4th Ed.	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations

MARKINGS

The following markings appear on a CSA accepted, UL recognized adhesive label manufactured by Fasson (Avery), material: PET 50 matt chrome TOP/S333/85SCK. The label is suitable for adhesion on aluminum, for 50°C or higher.

Common markings for all models:

- Manufacturers name: "Max-Air Technology, Inc.", or CSA Master Contract Number "218481", adjacent to the CSA Mark in lieu of manufacturers name.
- Catalog/model number: as specified in the PRODUCTS section, above
- Complete 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 month of manufacture.
- Maximum Working Pressure
- Maximum Operating Differential Pressure
- The CSA Mark, as shown on the Certificate of Compliance
- Time rating (if not continuous, Maximum "on" time and Minimum "off" time)
- Intended Flow Direction
- Hazardous Location designation: as specified in the PRODUCTS section, above
- Temperature Code; as specified in the PRODUCTS section, above

Intrinsically Safe model SV71, 72 and 73 series

- The designation: "Exia"
- The words Intrinsically Safe
- Reference to I.S. installation instructions "1259 06 400"

Explosion-proof model SV91, 92 and 93 series

- Statement: "MUST BE SEALED WITHIN 18 INCHES" or equivalent

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".