Certificate of Compliance

Certificate: 2298432 **Master Contract:** 218481

Project: 70006049 **Date Issued:** June 13, 2014

Issued to: **Max-Air Technology, Inc.**

751 Hoff Rd
O'Fallon, MO 63366
USA
Attention: Seth 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.

James Cotton

Issued by: James Cotton

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; Model Series SV71, SV72, SV73, SV27-3 and SV27-5; 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: Vmax = 28V, Imax = 115mA, Li = 0, Ci = 0 when installed per installation dwg 1259 06 400; Ambient temperature -10°C to +50°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

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- Electrically Operated Solenoid Pneumatic Valves; Model Series SV91, SV92, SV93, SV29-3 and SV29-5; rated 12Vdc, 375mA; 24Vdc, 191mA; 120Vac 60Hz, 57mA; 240Vac 60Hz, 28mA; Ambient temperature -10°C to +50°C. Pressure range 30psi to 120psi, Maximum Working Pressure 120psi.

APPLICABLE REQUIREMENTS

The following standards apply to all models:

CAN/CSA C22.2 No. 0-M91	General Requirements - Canadian Electrical Code, Part II
CSA Standard C22.2No. 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.

The following standards apply to model series SV71, SV72, SV73, SV27-3 and SV27-5:

CAN/CSA Std C22.2 No. 14-05 *(with updates 1-3, April 2008)*	Industrial Control Equipment
CAN/CSA Std C22.2 No. 157-92 *(Reaffirmed 2006)*	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.

The following standards apply to model series SV91, SV92, SV93, SV29-3 and SV29-5:

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 *(Reaffirmed 2007)*	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	

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	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"

The following standard was used in whole or in part as a guideline to all models:

UL 1203 4th Ed.	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations

MARKINGS

See Descriptive Report