



# Certificate of Compliance

**Certificate:** 2516969

**Master Contract:** 177618

**Project:** 2516969

**Date Issued:** July 26, 2012

**Issued to:** Heinzmann GmbH & Co. KG.

Am Haselbach 1  
79677 Schoenau im Schwarzwald, Baden-Wurttemberg  
Germany  
Attention: Ronny Graenz

*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.*



*Jay McVeigh*

**Issued by:** Jay McVeigh

## **PRODUCTS**

**CLASS 3228 02** - VALVES - Actuators - For Hazardous Locations

**CLASS 3228 82** - VALVES - Actuators - For Hazardous Locations-Certified to U.S. Standard

Class I, Division 2, Group A, B, C and D; T4A; Ta 80C:

Model: E-LES 30; E-LES 50; E-LES 80; electronically adjustable mixture regulating valve; rated 10-32Vdc, 1.1A max, 64W; Absolute pressure 2 bar; Differential pressure 0.1 bar

Model: E-LES 80FC; electronically adjustable mixture regulating valve; rated 18-33Vdc, 2A max; IP65; Absolute pressure 2 bar; Differential pressure 0.1 bar

## **Notes:**

1. The E-LES 30, 50 and 80 valves are intended to operate with Submitter's previously Certified Kronos 20 electronic controllers
2. The E-LES 80FC is intended to operate as a standalone independent valve



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3. The end use suitability of the combination of the associated electronic controller and the actuator is to be determined by the local inspection authority having jurisdiction.
  4. All equipment shall use 3 inch or smaller pipe trade size for installation
  5. The E-LES 30, 50 and 80 valves are considered Class II devices
  6. The E-LES 30, 50, 80 and E-LES 80FC valves have been satisfactorily evaluated and tested to meet the endurance requirements for greater than 100, 000 cycles

**APPLICABLE REQUIREMENTS**

CSA C22.2 No 0 - 10	-	General Requirements - Canadian Electrical Code Part II
CSA C22.2 No 0.4 - 04	-	Bonding of Electrical Equipment
CSA C22.2 No 139 - 10	-	Electrically Operated Valves
CSA C22.2 No 213 - M1987	-	Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
CAN/CSA 60529: 05;	-	Degrees of protection provided by enclosures (IP Code)
UL 429 - 2009	-	Electrically Operated Valves
ISA 12.12.01: 2011	-	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations