

# Certificate of Compliance

**Certificate:** 1821895

**Master Contract:** 236132

**Project:** 1821895

**Date Issued:** September 26, 2006

**Issued to:** Valpes  
Z.I. Centr'alp, 89 Rue des Etangs  
38430 Moirans  
FRANCE

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'*



**Issued by:** G. Foulem



**Authorized by:** Maurice Hoendervangers  
Area Director



## PRODUCTS

CLASS – 3221 02 VALVES Actuators

CLASS – 3221 82 VALVES Actuators - Certified to US Standards

90° or 180° electrical motorized valve actuators, Series VSA and VRA, ambient temperature from -20°C up to 70°C, with duty cycle from 20% to 80%, permanently connected, outdoor enclosure type 4X with the following rating:

model	Rating	Operation time (sec)	Control and Supply PCB 30/60W	Torque (in N)	Option / PCB#
VSA300 Series	100-240Vac 50-60Hz, 85W or 24Vac/dc, 85W	50	60W SNAA 560 x00	300	ERI.B (Heater) P5 (Drive and recopy PCB) / SNAA 480 000 EBS 24 (Battery) / SNAA 550 000
VSA150 Series		30		150	
VSA100 Series		15		100	
VRA75 Series	100-240Vac 50-60Hz, 45W or 24Vac/dc, 45W	20	60W SNAA 560 x00 or 30W SNAA 510 x00	75	ERI.B (Heater) P5 (Drive and recopy PCB) / SNAA 480 000 EBS 24 (Battery) / SNAA 550 000
VRA45 Series		15		45	
VRA25 Series		7		45	

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.

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**Conditions of Acceptably:**

- 1) For all AC supplied models of the VSA and VRA series (except for VSA300 Series 300N and VRA75 Series 75N models), the duty cycle is 80% at 50°C maximum ambient temperature and it decreased linearly to 50% at 60°C maximum ambient temperature and 20% at 70°C maximum ambient temperature.
- 2) For AC supplied VSA300 Series 300N models, the duty cycle is 50% at 45°C maximum ambient temperature and it decreased linearly to 20% at 60°C maximum ambient temperature.
- 3) For AC supplied VRA75 Series 75N models, the duty cycle is 80% at 45°C maximum ambient temperature and it decreased linearly to 50% at 60°C maximum ambient temperature and 20% at 70°C maximum ambient temperature.
- 4) For all DC supplied models the duty cycle is 80% at 60°C maximum ambient temperature and it decreased linearly to 50% at 65°C maximum ambient temperature and 20% at 70°C maximum ambient temperature.
- 5) The installation of the actuator in the final application shall prevent excessive heat transfer from the valve to the actuator by additional mounting bracket or similar device. To be evaluated in the end application.
- 6) With the P5 (Drive and Recopy PCB) option the maximum torque is 250N.
- 7) All actuators shall be mounted on the vertical axis (indicator toward the top).
- 8) All actuators shall be protected in the end application by an over current branch circuit protection devices (circuit breaker or fuse) rated 3A. ac, or 5A dc for dc supply version.

**APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No 139	Electrically Operated Valves
ANSI/UL 429	Electrically Operated Valves
Binational standard CSA/UL60950-1	(This standard is used as guide to cover some requirements not covered by UL 429 AND CSA C22.2 N°139 for the power supply circuit.)



CSA INTERNATIONAL

## *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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
1821895	Sept. 26, 2006	cCSAus Original Certification of 90° or 180° electrical motorized valve actuators Series VSA and VRA