



# Certificate of Compliance

**Certificate:** 70086210 **Master Contract:** 158158 (112491\_0\_000)

**Project:** 70147003 **Date Issued:** 2017-12-21

**Issued to:** Honeywell International Inc., ACS, Environmental & Combustion  
1985 Douglas Dr N  
Golden Valley, Minnesota 55422  
USA  
**Attention:** Divya Venkat

*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.*



**Issued by:** Yan (Grace) Gao  
Grace Gao

## PRODUCTS

- CLASS - C337103 - VALVES (GAS)-Automatic - For Gas Appliances
- CLASS - C337183 - VALVES (GAS)-Automatic-For Gas Appliances-Certified to U.S. Standards
- 4823 05 TEMPERATURE - INDICATING AND REGULATING EQUIPMENT - Appliance Type - Gas Ratio Controls
- 3335 10/3335 90 (Valve Proving System)

Safety shut-off valves, Models V2, followed by F or V, followed by 2, followed by A, B, C or D, followed by N or B, followed by 1, 2, 3 or 4, followed by 0, 1, 2 or 3, followed by 5 or 6, followed by L or R, followed by N, followed by N, followed by N or 4, followed by B or U, followed by 0000.

## RATINGS:

Fluid Type:	Natural Gas, LP Gas
Ambient & Fluid Temperature	V2F types: -40°C to 63°C
	V2V types: -15°C to 63°C
MOPD	9.94 psi
Max. Body Pressure	10 psi
Electrical	DN20-25 types: 100-120V, 50/60Hz, 105W (+)
	DN40-50 types: 100-120V, 50/60Hz, 207W (+)
Duty Cycle	Continuous



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Enclosure	Type 1
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(+) - For complete assembly, coils draw 44W (DN20-25) or 96W (DN40-50Z) each for 2 s. then drops to 25% (see note below) and PWB assembly draws 15W.

**Line Voltage Inputs/Outputs –**

Mains Supply P8.1-2	- 100-120V, 15VA
Solenoids (P9.5, P9.6)	- max. 120V, nominal 24VA (DN20-25) or 48VA (DN40-50) total Pilot Duty
Interlock In/Out (P9.1-2; K201)	– max. 120V, 8 FLA
Valve Proving System Relay (P9.3; K200)	– 120V, 24VA Pilot Duty
Main Valve 1 (P9.5; K203)	– max. 120V, 12VA (DN20-25) or 24VA (DN40-50) Pilot Duty
Main Valve 2 (P9.6)	– max. 120V, 12VA (DN20-25) or 24VA (DN40-50) Pilot Duty

- Component Type Safety Shut-Off Valve Control, Vulcan Control Pressure Sensing Device, Model PRESSMOD followed by 1 or 4, followed by 1, 2, 3 & 4, followed by 000.
- Fuel Air Ratio Module, model FARMOD followed by 1 or 4, followed by 4 or x, followed by xxx.

**Notes:**

1. There are 2 dimensions of the valve: DN20/25, 100-120V (small body), DN40/50, 100-120V (large body).
2. The Vulcan Model V2 automatic safety shut off valve system is a microprocessor based intelligent fuel safety shut-off valve. It is intended to operate a flame safeguard system as part of a combustion control system.
3. The Vulcan Model V2V is intended for use with an external burner control system (BCS) for eGARC applications. The control of the airflow (fan or flapper valve) is to be done in an external system which may be part of the BCS.
4. The subject device is intended for use with an external burner control system (BCS) for Valve Proving System (VPS) and pressure limiting functions.
5. The eGARC, BCS and power/temperature control system are part of a gas fired heating appliance.
6. The safety class of the eGARC and VPS for interface with an external burner control system (BCS) has been evaluated to meet with the applicable CSA and US requirements in compliance with CAN/CSA E60730-1 and UL 60730-1 to a safety level Class C software classification.
7. Power to coils is FWR continuously when initially energized; after 2 s. the power is rapidly and repeatedly turned on and off to reduce the power to 25%.
8. The pressure module models (PRESSMOD) are certified as a component pressure sensing device to provide Valve Proofing, Low Gas Pressure and High Gas Pressure supervision functionality in conjunction with the V2 valve series only. The PRESSMOD will be used as an add-on device, which shall be installed by a qualified technician in case VPS and/or LPG/HGP functionality is required.

**APPLICABLE REQUIREMENTS**



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CSA-6.5/ANSI Z21.21-2015 - Automatic Valves For Gas Appliances.

CSA Std C22.2 No. 24-15-Temperature-Indicating and -Regulating Equipment (Annex A)

CSA International Requirement No. 4.01 U.S. – Valve Proving Systems for Automatic Gas Shut-Off Valves;

CSA Technical Information Letter No. R-15 – Valve Proving Systems for Automatic Gas Shut-Off Valves.



## *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>
70147003	2017-12-21	Update Safety shut-off valves, Models V2 report 70086210 to cover POC function
70086210	2017-05-18	Vulcan Valve approval including eGARC and VPS functions. New Class: 3335 10/3335 90 VPS System; 4823 05 TEMPERATURE-INDICATING AND REGULATING EQUIPMENT - Appliance Type - Gas air ratio controls