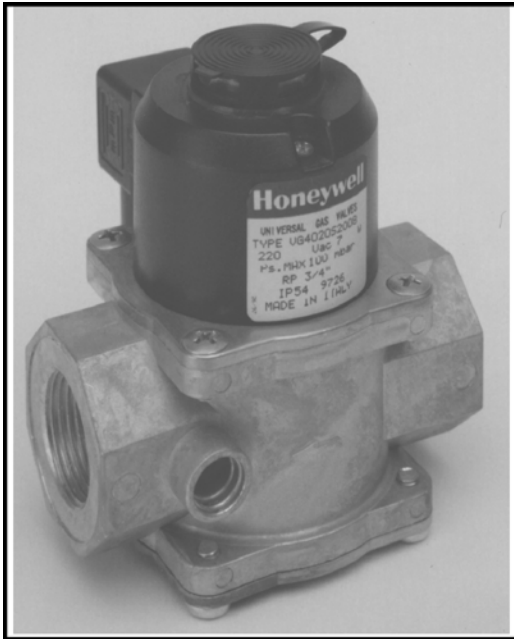


VG400AA & SA SERIES CLASS "A" SEMI-AUTOMATIC SAFETY VALVES

INSTRUCTION SHEET



APPLICATION

These series manually operated safety solenoid valves are used in gas leak detection systems.

SPECIFICATIONS

Models

VG415AA & VG415SA: (DN15)

VG420AA & VG420SA: (DN20)

VG425AA & VG425SA: (DN25)

Pipe sizes

Inlet and outlet 1/2" up to and including 1" internal parallel pipe thread according to ISO 7-1

Torsion and bending stress

Pipe connections meet Group 2 according to EN161 requirements.

Ambient temperature range

-15 +60°C

AA Types: Normally closed valves. Manual opening when energized.

SA Types: Normally closed valves. Manually opened. Closing when energized.

Supply voltage

220...240 VAC, 50/60 Hz

12 VAC, 50/60 Hz

24 VAC, 50/60 Hz

12 VDC

24 VDC

The applicable AC voltage is led to the solenoid coil via a rectifier circuit.

Power consumption

2.4 W

Electrical connections: AA types

Three pin plug electrical connector according to ISO4400 ("DIN plug")

For all VG models 220...240 VAC, 50/60 Hz, a DIN plug with a filter provided with a 0.1 mF capacitor - 275 V class X2 shall be used to meet EMC Directive

Electrical connections: SA types

Three pin plug electrical connector according to ISO4400 ("DIN plug")

Coil insulation safety solenoid valves

Insulation material according to class F.

Enclosure

IP65

Operational voltage range

The safety solenoid valve will function satisfactory between 85% and 110% of the rated voltage.

Capacity in m³/h at dp=2.5 mbar flow of air (15°C - 1013 mbar) ± 5%

DN15	5	m ³ /h
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DN20	9	m ³ /h
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DN25	13.8	m ³ /h
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Maximum operating pressure

500 mbar.

Opening time

Valves are manually opened.

Closing time

Less than 1 second.

INSTALLATION

WARNING

- Take care that installer is a trained experienced service man.
- Turn off gas supply before starting installation
- Disconnect power supply to prevent electrical shock and/or equipment damage

Mounting position

The gas valve can be mounted plus or minus 90 degrees from the vertical.

Mounting location

The distance between the gas valve and the wall/ground, must be at least 30 cm.

Main gas connection

- Take care that dirt cannot enter the gas valve during handling.
- Ensure that gas flows in the same direction as the arrow on the housing of the gas valve
- Use a sound taper fitting with thread according to ISO 7-1 (BS 21, DIN2999) or a piece of new, properly reamed pipe, free from swarf.
- Do not thread or tighten the pipe fitting too far. Otherwise valve distortion and malfunction could result
- Apply a moderate amount of good quality thread compound to the pipe or fitting only leaving the two end threads bare. PTFE tape may be used as an alternative
- In order to tighten the pipe in the valve, do not use the actuator as a leafier but use a suitable wrench operating on the wrench bosses.

WARNING

Tightness test after installation

- Paint all pipe connections and gaskets with a strong soap and water solution.

Electrical connection

CAUTION

- Switch off the power supply before making electrical connections.
- Take care that wiring is in accordance with local regulations

The electrical on/off operator is provided with a 3 pin DIN connector for electrical connections.

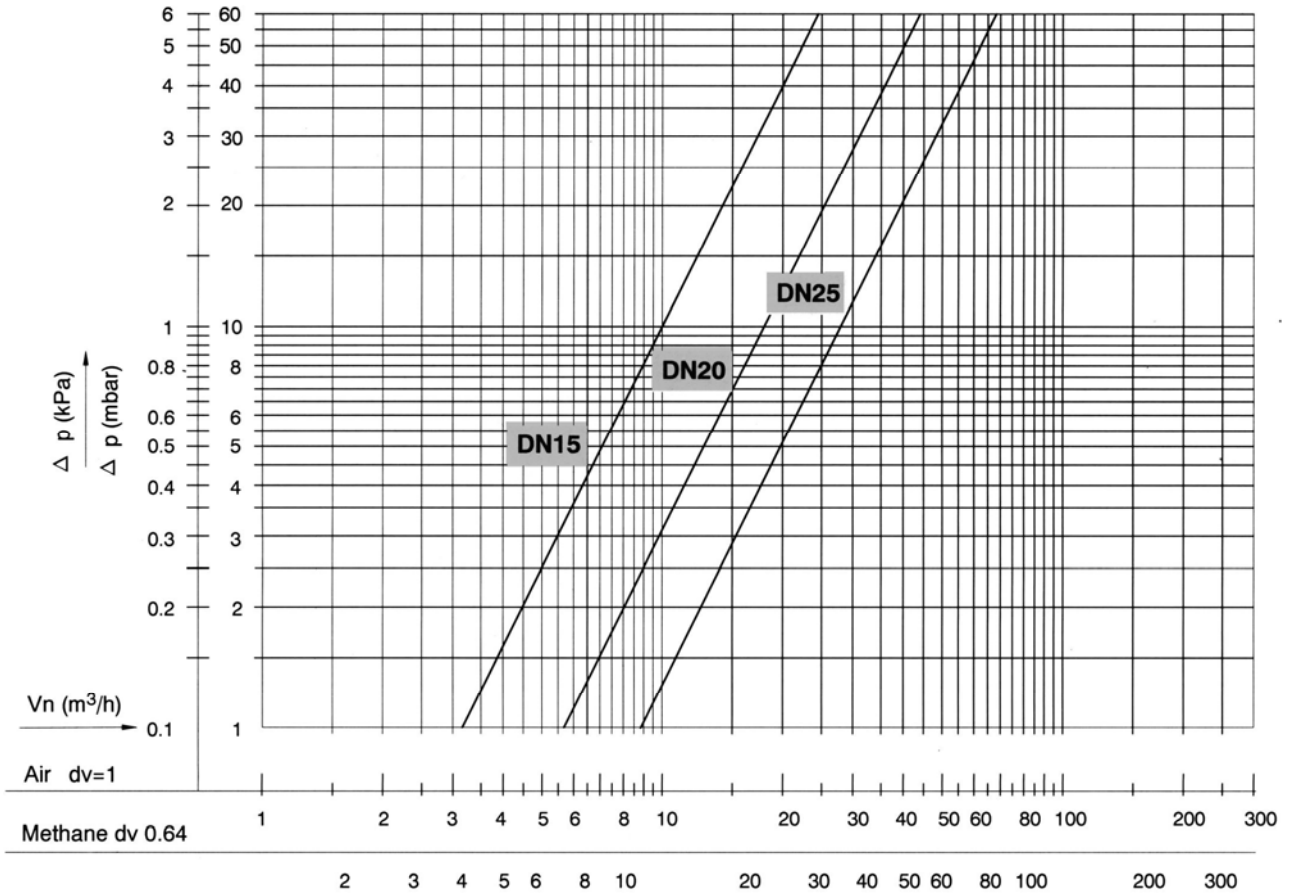
Follow the instructions supplied by the appliance manufacturer.

Set appliance in operation and observe several complete cycles to ensure that components function correctly.

Use lead wire which can withstand 105°C ambient.

Table Capacity in m³/h air at p = 2,5 mbar (SG=1 a 1013 mbar, 15°C)

1/2" DN15	3/4" DN20	1" DN25
5	9	13.8



STANDARDS AND APPROVALS


 THE POWER OF CONNECTED



EU – Declaration of Conformity

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Branding	Honeywell		
Product	Automatic shut-off valves		
Type & Models	VG4xxx(A,S) xxxx, VG8xxx(A,S) xxxx VG4xx(A,S)A xxxx, VG8xx(A,S)A xxxx		
Product-ID-Number	CE-0063AS1865		
EU-Acts	2009/142/EC	GAD	Till April 21 st 2018
	2016/426/EU	GAR	From April 21 st 2018
	2014/35/EU	LVD	
	2014/30/EU	EMC	Immunity
			Emission conformity can only be verified in combination with the appliance
Standards	EN161:2013	Automatic Shut Off Valves	
EU-Type Examination	(EU) 2016/426 Annex III paragraph 1 Kiwa Nederland B.V., Notified Body 0063		
Surveillance Procedure	(EU) 2016/426 Annex III paragraph 3 Kiwa Nederland B.V. Notified Body 0063		

In our capacity as manufacturer, we hereby declare:

Products labelled accordingly meet the requirements of the listed directives, regulations and standards. They correspond to the tested type samples. The production is subject to the stated surveillance procedure. This products comply with the substance restrictions of RoHS II, but they are not in the scope of the directive RoHS II (2011/65/EU). The corresponding operating instructions are included with the product and can be downloaded from:

<https://products.ecc.emea.honeywell.com/europe/>

2018-03-26



Manager Standards and Approvals
J. Hepping

Honeywell Products & Solutions Sarl, Rolle, Switzerland