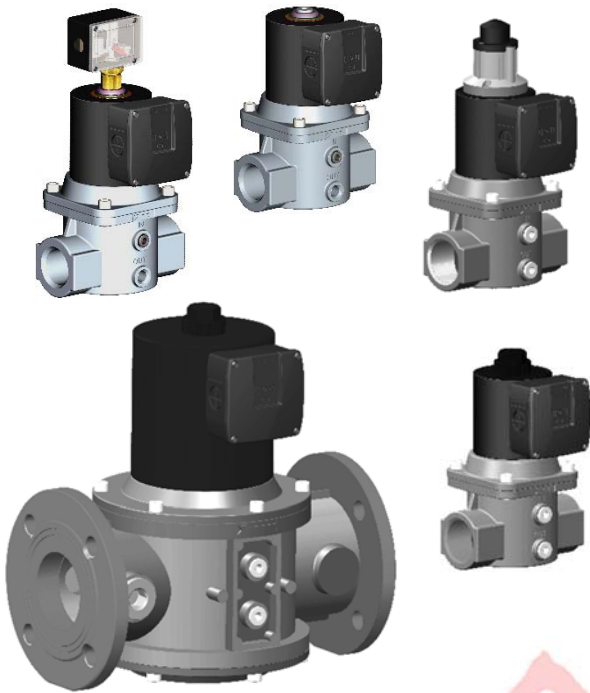


“UNIMAX” VE- AND V429X/829X SINGLE SOLENOID VALVE SERIES

PRODUCT INTRODUCTION BULLETIN



Application

The UNIMAX VE and V429x/829x Series single solenoid safety shut off valves, are used for safe and tight shut off and optional manual control of gaseous fluids in gas powered burners, atmospheric gas boilers, melting furnaces, incinerators and other gas consuming appliances.

The family name “UGV” (Universal Gas Valves) has disappeared and the embedded UGV logo has been removed from the valve bodies. UGV was the name of the company that Honeywell acquired more than 20 years ago.

The new family name “UNIMAX” is a combination of UNiversal and MAXimum performance.

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Manufactured for and on behalf of Honeywell Techn.Sàrl, ACS-ECC Division - Combustion Controls
EMEA, Z.A. La Pièce 16, 1180 Rolle, Switzerland by its Authorized Representative

1. INTRODUCTION

The UNIMAX **Series single solenoid safety shut off valve** is suitable for the control of non corrosive gaseous fuels in gas consuming appliances according to international standards. The new valves are, same as the old valves, produced in our factory in Nagykanisza, Hungary and were (re)designed under the responsibility of our Engineering centre in Emmen, The Netherlands. Over 50 years experience in gas valve design resulted in a high quality and well balanced, state of the art product.

The UNIMAX Series offer:

- high level of reliability because of a long history and well proven design
- great flexibility to mount accessories like valve-position indicator, pressure indication switches, 1/8" or 1/4" (depending on body size) pressure taps, etc on the inlet and outlet at both sides of the valve body, with clear indication of position, by the markings "IN" and "OUT" on the valve body.
- DIN plug electrical connection or screw terminals with field selectable left or right cable entry in the connection box
- a side mounting possibility on the VE Series valve bodies DN65..DN100 with flanged pipe connection as well as on the V4297 series, to attach a C6097 gas pressure switch with flanged connection directly to the valve body
- for the Americas only, models with factory installed Proof Of Closure switch
- a broad range of sizes (DN10..DN100) with threaded or flanged connections
- the most common voltages (24Vac, 24Vdc, 100..120Vac, 200..240Vac)
- support for inlet pressures up to 500mbar for European models and 5psi for American models
- reduced heat generation of the magnetic solenoid by using smart technology to energize the valve
- modern and robust look

For modern and easy identification, two QR Code (Quick response) tags are printed on the product label, besides the product model number.

The tag on the left shows a unique product reference number, that includes product reference, date code and serial number for tracking purposes.

The tag on the right can be scanned with for example a smartphone with QR Code reading capabilities and contains the link to the web page of the HIC technical catalogue (General European English version), where detailed product specifications, data sheets and brochures can be downloaded.

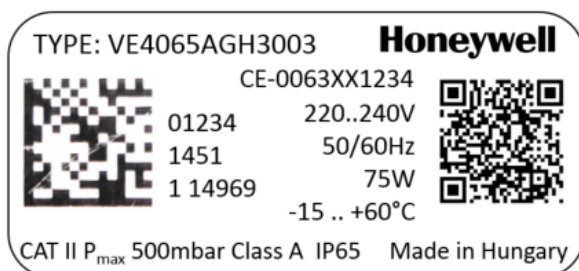


Fig 1. Label on VE-series (Global models)

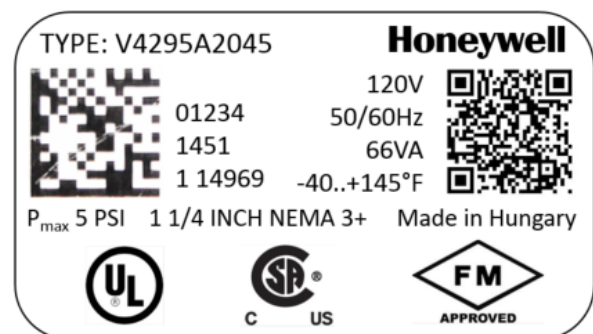


Fig 2. Label on Vx92x-series (American models)

2. MARKET INFORMATION

The European market size for commercial and industrial atmospheric or forced draught burners, using customized gas trains, is approximately 100k units. Of which 80% is of size DN50 and below, and 20% DN65 and above. The UNIMAX Series solenoid valves are available in the range 3/8" up to 3" with threaded and 2½" up to 4" with flanged connections.

In most of these applications two serial valves are mandatory (double blocking) in the gas train. Therefore, the total annual market (TAM) size in Europe for the VE Series is roughly 200k units and our market share is ca. 11%. The market is highly dominated by a few main players, like Dungs (strong in commercial applications). In addition, there are a few "price fighters", like Banico, Elektrogas and Madas (mainly in EU) or Asco (mainly in US).



Fig 3. Market split

In the Americas for the V4295/V8295 series, the TAM roughly 475k units and our market share is currently ca. 5%.

Gas Train Market

- **UNIMAX Series gas valves** target segments are gas trains used for fuel supply in all commercial and industrial gas fired heating systems, where customers require flexibility in building their gas train, up to 500mbar operational pressure and for the Americas 5psi. For commercial building applications in Europe, there are special line voltage models (ON/OFF) rated 200mbar.

Commercial Burner Market

In general, the target market for the UNIMAX Series single solenoid gas valves is the standard efficiency burner market.

Applications can be:

- Mounted upstream of a combination gas valve when because of legislation an additional shut off valve is required.
- Simple pilot valve trains in commercial power burners
- Main valve trains up to 4" pipe size (Americas 3"), used in combination with a gas pressure regulator such as the HUPF series.

Industrial Burner Market

The target markets for the UNIMAX Series single solenoid gas valves can be all single and multiple low to medium temperature process gas burner systems in most of the identified vertical market segments. Applications are, but not limited to, for example ovens, kilns, air heaters, incinerators, dryers and more, where a gas filter and pressure regulator such as our HUF-series gas filters and HUPF-series pressure regulators, are used.

3. APPLICATION OVERVIEW

Target Applications for the UNIMAX Series single solenoid valves

The UNIMAX Series single solenoid valves have been designed for use in (but not limited to) commercial or industrial package and power burner applications or gas trains.

Gas trains & burner applications



Fig 4. Industrial burner



Fig 5. Small gas train

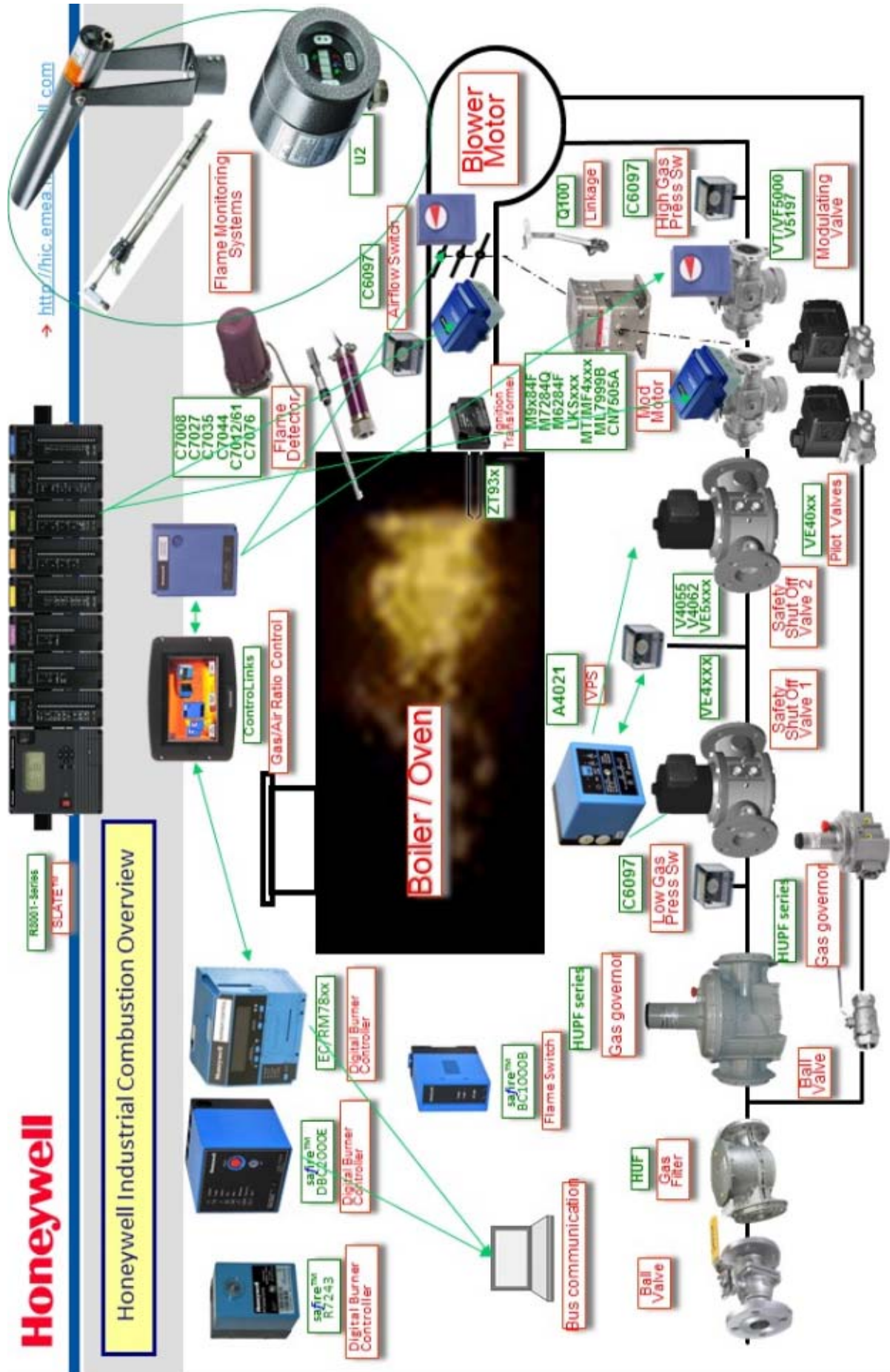


Fig 6. Multi burner oven application



Fig 7. Commercial burner (USA)

4. SYSTEM OVERVIEW



5. PRODUCT SPECIFICATION

Pipe connections

Threaded (ISO7-1) pipe connections:

Rp 3/8" ... 3" (DN10 ... DN80)

- 200 ... 240 Vac: VE4xxxXXX1xxx
- 100 ... 120 Vac: VE6xxxXXX1xxx
- 24Vac or 24Vdc: VE8xxxXXX1xxx (24V up to 2")

Threaded (NPT) pipe connections (only for the Americas):

Rp 3/8" ... 3"

- 120 Vac: V4295Axxxx
- 24Vac: V8295Axxxx

Flanged (ISO7005) pipe connections:

FL 2 1/2" ... 4" (DN65 ... DN100)

- 200 ... 240 Vac: VE4xxxXXX3xxx
- 100 ... 120 Vac: VE6xxxXXX3xxx

Inlet pressure and electrical connection

The standard rating for the maximum inlet pressure of the UNIMAX VE Series valves is **500mbar**. All models have standard IP65 protection and are available as models with:

1. **M20 x 1.5** cable gland electrical connection and screw terminals.
2. **DIN** connector electrical connection.

The DIN connector CO020012 must be ordered separately

Especially for European commercial building applications there are VE series models with on/off control only that are specified for 200mbar inlet pressure.

The low voltage UNIMAX VE Series valves are rated for 360mbar maximum inlet pressure for valve diameters up to and including DN40 and 200mbar up to and including DN100.

All UNIMAX V4295 and V8295 series valves (for Americas only) have **5psi** maximum inlet pressure and have NEMA 4 protection. These models all have screw terminals and right or left conduit cable entry (field selectable).

5. PRODUCT SPECIFICATION (cont.)

Openings characteristics:

The UNIMAX VE series single solenoid valves are available in:

- VEx0xxAXX: ON/OFF
- VEx0xxBXX: With flow adjuster.
- VEx0xxCXX: Characterized opening and flow adjuster, up to and including DN50.
- VEx0xxSXX: OFF/ON Normally Open vent valve, DN20 and DN25 only.

In the size range from 3/8" up to and including 3" NPT threaded connection the UNIMAX V4295 and V8295 series single solenoid valves (only for the Americas) are available in

- Vx925A2: ON/OFF
- Vx925A3: ON/OFF with Proof Of Closure (POC)



Fig 8. Threaded gasvalve

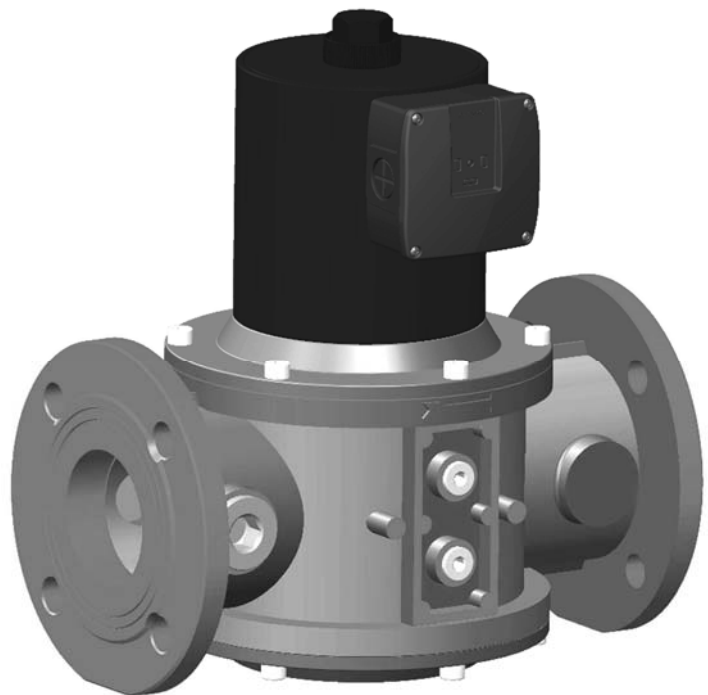






Fig 9. Flanged gas valve


6. COMPETITOR ANALYSIS

Comparison Honeywell vs Competitors

<p>Honeywell</p> 		<p>DUNGS[®] Combustion Controls www.dungs.de</p> 	
+	-	+	-
<ul style="list-style-type: none"> • Proven reliability • Reduced coil temperature • Less electrical power consumption • Standard 500mbar (A: 5psi) • Standard IP65 	<ul style="list-style-type: none"> • Size limited to DN100 	<ul style="list-style-type: none"> • Market acceptance • Size up to DN200 	<ul style="list-style-type: none"> • High coil temperature • IP65 optional
<p>Honeywell</p> 		<p>elektrogas[®] http://delta-elektrogas.com</p> 	
+	-	+	-
<ul style="list-style-type: none"> • Robust design • Global approvals 	<ul style="list-style-type: none"> • Reduced coil temperature • Size limited to DN100 	<ul style="list-style-type: none"> • Price • Size up to DN150 	<ul style="list-style-type: none"> ▪ 500mb only DN40+ ▪ Cheap looking design ▪ Complex design

6. COMPETITOR ANALYSIS (cont)

Honeywell 		 www.madas.it 	
+	-	+	-
<ul style="list-style-type: none"> • 500mbar inlet pressure • Reduced coil temperature • High reliability and quality • Honeywell brand name • Own and global design 	<ul style="list-style-type: none"> • Max size DN100 	<ul style="list-style-type: none"> • Price • Sizes up to DN125 	<ul style="list-style-type: none"> ▪ Heat generation of coils ▪ Market reputation ▪ Limited inlet pressure ▪ Cheap looking design

Honeywell 		 www.banicocontrols.com 	
+	-	+	-
<ul style="list-style-type: none"> • 500mbar inlet pressure • Reduced coil temperature • High reliability and quality • Honeywell brand name • Own and global design 	<ul style="list-style-type: none"> • Max size DN100 	<ul style="list-style-type: none"> • Sizes up to DN125 • Broad offering 	<ul style="list-style-type: none"> • Heat generation of coils • Market reputation • Limited inlet pressure • 3rd party design

6. COMPETITOR ANALYSIS (cont)

Why should a customer buy the Honeywell product?

The UNIMAX Series is a completely redesigned platform of single solenoid valves, based on an existing more than 25 years well proven design. During the Six Sigma design processes special focus was applied on the heat generation of the coils when they are energized for a longer period, as well as there was special attention to reduce the electrical power consumption. The standard protection is IP65 or NEMA 4. Customer suggestions for improvements were applied, such as pressure taps on both the inlet as the outlet side of the valve body for increased flexibility. The electrical connection box was completely redesigned to improve the IP protection.

This makes the valves very suitable when used in continuous operation and/or under harsh environmental conditions.

By designing smart power supply circuitry for line voltage models, the UNIMAX series are now capable to be powered from a wide supply voltage range, 100..120Vac or 200..240Vac, which makes the UNIMAX series a real global valve, including Japan where special voltages are present. And of course there are models for 24Vac and 24Vdc power sources.

There are 2 basic models: a range of models with screw terminals and conduit cable entry and models for using a DIN Plug. The models with cable entry can have a field selectable left or right cable entrance.

Most models will be available from stock for optimal delivery.

7. Features – Functions - Benefits

Features	Functions	Benefits
Global design	One basic design used for all versions and variations used around the globe.	Less part numbers Easier to obtain service replacements anywhere, except the Americas (different approval standards)
Global approvals	All valves are approved (or approvable) for use in all countries on the globe, except the Americas, because different standards apply.	Less stock of models and less parts lists for appliances for customers who export globally.
Robust design	Meets commercial and industrial standards	Less issues over time when used under harsh environmental conditions.
High inlet pressure	Inlet pressure increased to max. 500mbar	Broader applicability
Improved protection	Standard protection IP65/NEMA 4	Less part numbers
Smart technology to energize the valve (DN25 and larger)	Use electrical energy only when needed: during opening of the valve	Less heat generation and electrical power consumption
Modern label with tags for product identification and information beside the product reference	Easy product identification by using a barcode scanner (EAN). Easy product details and datasheet lookup over the internet using a smartphone	Less cost of service

8. VALUE PROPOSITION

What's in it for me?

Value Proposition for the OEM

Broad range of valve models according the highest quality standards and at competitive prices

Benefits for OEM customers

- Global design: one basic design for all countries on the globe
- We offer a safety family of shut of valve in all applicable sizes and connections to meet the OEM's demand at a competitive price
- Well known and proven design
- One to one replacement for existing VE (US: V4295) with more flexibility
- Clear portfolio
- Modern identification labels offer easy traceability and retrieval of information
- Wide specification of supply voltages results in more flexibility and lower handling cost for the OEM
- Worldwide support due to global Honeywell combustion representatives
- Honeywell Application Centre in Emmen (NL) supports to reduce the design time of the application by providing dedicated application support

Value Proposition for the Installer

A reliable gas valve found in applications all over the world

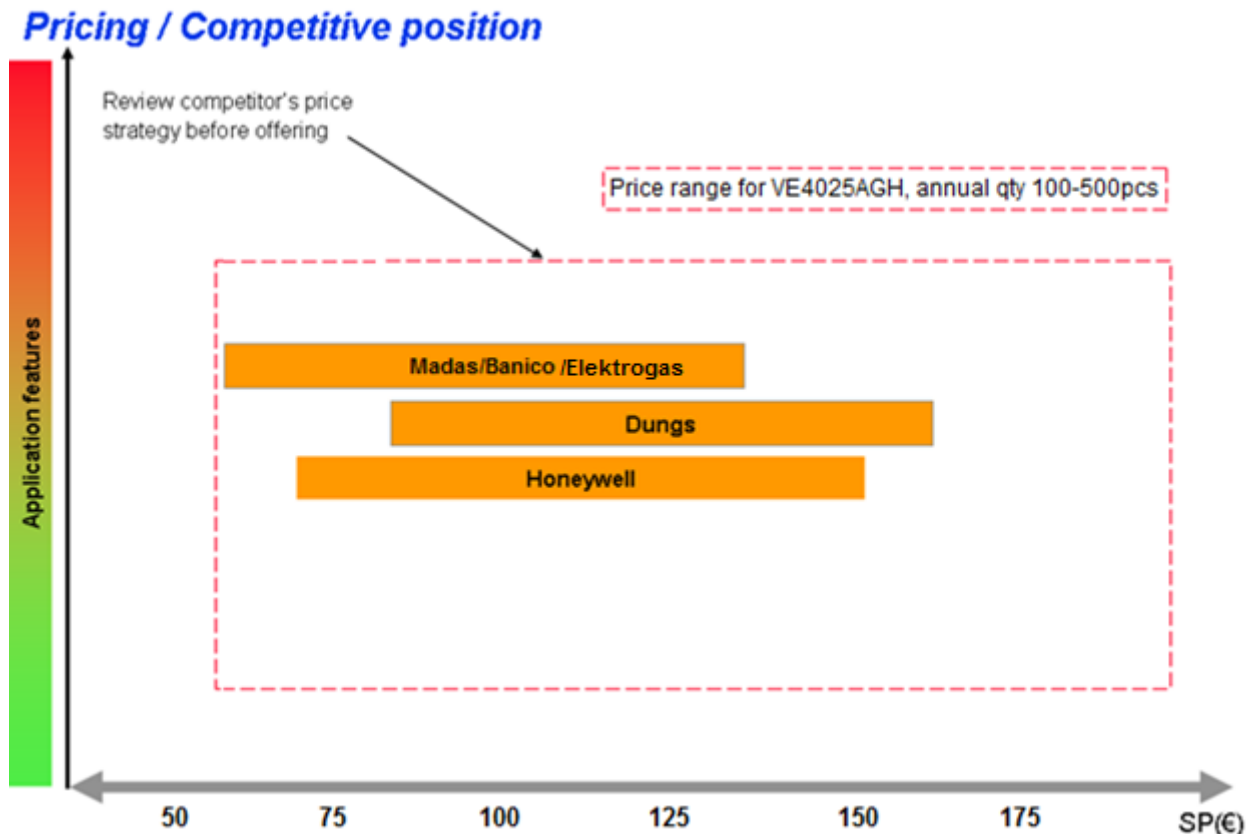
Benefits for customers

- Highly reliable due to the use of well-known and proven technology
- Easy set-up
- Clear, informative installation instructions in many local languages
- One-to-one replacement for existing VE (US: V4295) valve
- Easy component replacement (coils) in case of failures
- Worldwide technical support in case of questions or need for replacement parts
- "Easy to handle" replacement parts packaging

10. PRODUCT POSITIONING & PRICING

Product Positioning

The Unimax Series single solenoid valves have been positioned a little below the price ranges of Dungs (www.dungs.de), except with higher specifications and features.



For details on pricing, please refer to the PMF.

Note that during the transition period from the old “UGV” valve series to the “UNIMAX” series, prices and models may not yet be visible in the PMF. In that case ask Product Management for advice on proper pricing.

Warranty conditions:

The warranty period is 30 months from date code.

11. PACKAGING - LEAD TIME - MOQ

All UNIMAX Series valves have a minimum order quantity of 1pcs

Packaging: cardboard boxes, box size depends on valve size.

Leadtime (model dependent):

SIOP class A, D, C or W; leadtime CLT=5 .. 28 days.

Check PMF for exact Lead Time, carton weights and dimensions



Fig 10. Packaging

12. PRODUCT- / ORDER NUMBER (OS#):

A. Global versions, Ordering Specification number:

Format: **VExxxxYYYzzzz**

Product:
VExxxx: Single solenoid gas valve
 (EU model)

Supply voltage:
4xxx: 200..240V, 50/60Hz
6xxx: 100..120V, 50/60Hz
8xxx: 24V, 50/60Hz or 24Vdc

Valve size:
x010: DN10 (3/8")
x015: DN15 (1/2")
x020: DN20 (3/4")
x025: DN25 (1")
x032: DN32 (1 1/4")
x040: DN40 (1 1/2")
x050: DN50 (2")
x065: DN65 (2 1/2")
x080: DN80 (3")
x100: DN100 (4")

Opening Characteristics:
AYY: on/off
BYY: flow adjuster
CYY: flow adjuster and openings curve
DYY: 24Vdc models, with flow adjuster
SYy: Normally Open, off/on.

Electrical Connection:
YGY: conduit and screw terminals
YPY: DIN plug connection

Max. Inlet Pressure:
YYL: 200/360mbar maximum inlet pressure
YYH: 500mbar maximum inlet pressure

Pipe Connection and medium:
1zzz: screwed
2zzz: screwed and biogas (dry) capable
3zzz: flanged
4zzz: flanged and biogas (dry) capable

B. American versions, Ordering Specification number:

Format: **Vx29xYz*****

Product:
Vx29x: Single solenoid gas valve
 (NA model)

Supply voltage and model:
4295: 120, 50/60Hz, on/off,
 NPT screwed connection
4297: 120, 50/60Hz, on/off,
 Special flanged version
8295: 24V, 50/60Hz, on/off,
 NPT screwed connection

Operation:
A: normally closed
S: normally open (vent valve)

Valve Proofing:
2*:** standard version
3*:** with proof of closure (POC) switch

Valve Size:
z*:** number varies for different sizes
 DN10 (3/8") ... DN80 (3")

12A. CROSS REFERENCE LIST

A cross reference list will become available and can be downloaded from the internet catalogue: hic.emea.honeywell.com or refer to the "Replacements" column in the PMF

Honeywell

UNIMAX single solenoid valves cross reference list

Old OS number	Current SAP Status	Unimax OS number:	Size
VE4010A1006	Active	VE4010AGH1001	DN10
VE4010A1014	Obsolete	VE6010BPH1006	DN10
VE4010A1030	Obsolete	VE4010AGH1001	DN10
VE4010A1048	Obsolete	VE4010AGH2002	DN10
VE4010B1005	Obsolete	VE4010BGH1004	DN10
VE4010B1013	Obsolete	VE6010BGH1005	DN10
VE4010B1054	Active	VE6010BPH1006	DN10
VE4010B1062	Active	VE4010BPH1006	DN10
VE4010C1004	Obsolete	VE4010CGH1007	DN10
VE4010C1012	Obsolete	VE6010CGH1007	DN10
VE4010C1038	Obsolete	VE4010CGH1007	DN10
VE4010C1046	Obsolete	VE6010CGH1007	DN10
VE4010NB1100	Active	VE6010BGH1005	DN10
VE4010NB1200	Active	VE4010BGH1004	DN10
VE4010NC1100	Active	VE6010CGH1007	DN10
VE4015A1005	Active	VE4015AGH1002	DN15
VE4015A1013	Active	VE6015AGH1004	DN15
VE4015A1039	Obsolete	VE4015BPH1007	DN15
VE4015A1054	Obsolete	VE6015BPH1007	DN15
VE4015A1070	Active	VE4015APH1004	DN15
VE4015A1138	Active	VE6015APH1005	DN15
VE4015B1004	Active	VE4015BGH1005	DN15
VE4015B1012	Active	VE6015BGH1006	DN15
VE4015B1038	Obsolete	VE4015BGH1005	DN15
VE4015B1053	Obsolete	VE6015BGH1006	DN15
VE4015B1061	Obsolete	VE4015BGH2006	DN15
VE4015B1087	Active	VE4015BPH1007	DN15
VE4015B1095	Active	VE6015BPH1007	DN15
VE4015C1003	Active	VE4015CGH1008	DN15
VE4015C1011	Obsolete	VE6015CGH1008	DN15
VE4015C1045	Obsolete	VE4015CGH1008	DN15
VE4015C1052	Obsolete	VE6015CGH1008	DN15
VE4015C1060	Obsolete	VE4015CPH1001	DN15
VE4015C1110	Active	VE4015CPH1001	DN15
VE4015C1128	Active	VE6015CPH1009	DN15
VE4015NR1100	Active	VE6015BGH1006	DN15

12B. SPARE PARTS

Background

Until now we offered a large range of spare coils for service purposes, to repair a defective valve withing the boundaries of what the standards allow.

For every valve that we offer, also a spare coil is needed. For over 200 different sizes and variations, we almost need the same amount of different spare coil models as well. And these should all be stock items, to keep customers happy.

Keeping stock of complete coils is very cost inefficient, creates large amounts of IOS and results in unacceptable high selling prices:

From experience we have noticed that when a valve becomes defective, that in >85% of the cases the coil itself is not defetive, but that the rectifier circuit is broken.

Some customers mount a new coil on an old valve body (>10 years or >100k cycles). This is unsafe and not allowed by the standards.

No complete spare coil assemblies will be available anymore, only the printed circuit board as servicable part, including a new cover and screws and instruction.

This also applies to old valves that are already in the field.

In incidental cases that a coil becomes defective, then the complete valve must be replaced.

Overview of spare boards

OS number	For old valve series	Valve size
CS020012U	VE8xxx (24Vac)	All
CS020020U	VE4xxx (115Vac) and VE(N)4xxx (100/200Vac)	DN10..DN50
CS020021U	VE4xxx (115Vac) and VE(N)4xxx (100/200Vac)	DN65..DN80
CS020070U	VE4xxx (230Vae)	DN10..DN25
CS020071U	VE4xxx NEEDS UPDATE	DN32..DN50
CS020072U	VE4xxx (200mbar, 230Vae)	DN65..DN100
CS020101U	VE4xxx (360mbar, 230Vac)	DN80..DN100
CS020102U	VE4xxx (360mbar, 115Vac)	DN80..DN100
CSA20001U	V429x-series	All
CSA20002U	V8295-series	DN10..DN50
CSA20003U	V8295-series	DN65..DN80



OS number	Electrical connection	For UNIMAX valve series	Valve size
CS020030U	Cable entry	VE4xxx and VE6xxx VE8xxx (24Vac)	DN10..DN25 All All
CS020031U	DIN plug	NEEDS UPDATE V4295, V4297, V8295 VE4xxx (115Vac) VE6xxx (24Vac)	DN10..DN25 All
CS020034U	Cable entry	VE4xxx and VE6xxx	DN32..DN100
CS020035U	DIN plug	VE4xxx and VE6xxx	

For a complete overview, refer to the cross reference list available from the web catalogue.

Leadtime spare boards: SIOP class A; leadtime CLT=5 days

13. DOCUMENTATION & ACTIVITIES

Documentation availability


What	Available	Source
<ul style="list-style-type: none"> Product Handbook 	March 2016	Combustion team room http://acsnet.honeywell.com/sites/CombustionControls_EMEA HIC Teamroom http://teams.honeywell.com/sites/CC-EMEA_INDUSTRIAL_MKT-BIZ-Dev/SharedDocuments/HIC_Sales_Launch
<ul style="list-style-type: none"> Product Introduction Bulletin 	April 2016	Combustion team room http://acsnet.honeywell.com/sites/CombustionControls_EMEA HIC Teamroom http://teams.honeywell.com/sites/CC-EMEA_INDUSTRIAL_MKT-BIZ-Dev/SharedDocuments/HIC_Sales_Launch

REVIEWS

- All opportunities will be tracked actively attended in www.salesforce.com

14. STANDARDS AND APPROVALS

CE approval



Partner for progress

Supplier
Honeywell Technologies Sarl
 Located at
 Ecublens, Switzerland

EC TYPE EXAMINATION CERTIFICATE

Kiwa Gastec Certification hereby declares that the
multifunctional control
NEEDS UPDATE
Series VE 4... / 8...

meets the essential requirements as described in the
Directive on appliances burning gaseous fuels (90/396/EEC).

The compliance is based on examination to:
 EN 161: 2007


PIN : 0063AP3075
 Report number : 120830

The products have been approved for all EU and EFTA countries.


A description of the specific types is given in the appendix certificate.

GASTEC
 Kiwa Gastec Certification
 Wilmersdorf 50
 P.O. Box 137
 7300 AC APELDOORN
 The Netherlands
 Tel. +31 55 5393355
 www.kiwa.com


Number E:3075
 Issued 26 June 2008



ir. M.L.D. van Rij,
 Division Director.



0063



DECLARATION of CONFORMITY

We,
 Honeywell Technologies Sarl
 Z.A. La Pièce 16
 1180 Rolle
 Switzerland


declare under our sole responsibility that the following product family of **automatic gas shut-off valves and safety relief valves:**

VE(N)4xxx A, B, C, S xxxxx VE(N)8xxx A, B, C, S xxxxx
NEEDS UPDATE
to which this declaration relates, is:

- in conformity with the essential requirements of the **Gas Appliance Directive 90/396/EEC** based on EN 161
- and in conformity with the type as described in the EC type-examination certificate issued by Gastec Certification with pin number 0063AP3075
- in conformity with the essential requirements of the **Low Voltage Directive 2006/95/EC** based on EN 60730-1
- in conformity with the essential requirements of the **EMC Directive 2004/108/EC** on immunity based on EN 55014-2 and EN 161.

Conformity with the essential requirements of the **EMC Directive 2004/108/EC** on emission can only be determined in the application.
 The electro-magnetic actuator is powered from a rectifier board that might generate too high emission depending on position and wiring.

Emmen, 26 November 2009.

Signed for and on behalf of Honeywell Technologies Sarl,
 A.Veld
 Manager Standards & Approvals 

Rev.nr. 01 S-VE(N)4000

14. STANDARDS AND APPROVALS (cont)

CSA/UL/FM approval

Factory Mutual Research
 1151 Boston-Providence Turnpike
 P.O. Box 9102
 Norwood, Massachusetts 02062

J.I. 027A5.AF
 Class 7411

21 February 1986

**GAS SAFETY SHUTOFF VALVES
 MODELS V4295A1007, V4295A1015, & V4295A1023
 AND
 GAS SOLENOID VALVES
 MODELS V4295S1005, V4295S1013, & V4295S1021**

from

INTRODUCTION

1.1 Honeywell, U.G.V., S.r.l. requests their Models V4295A1007, V4295A1015, V4295A1023, V4295S1005, V4295S1013, and V4295S1021.

1.2 The safety shutoff valves will be approved under the heading, "Gas Safety Shutoff Valves and Holding", as follows:

Designation	Nominal Pipe Size, in.
V4295A1007	3/8
V4295A1015	1/2
V4295A1023	3/4

1.3 The gas solenoid valves will be approved under the heading, "Gas Solenoid Valves and Holding", as follows:

Models V4295S1005 (3/4 in.), V4295S1013 (1/2 in.), and V4295S1021 (3/4 in.) vent valves. For use with air or natural gas.

UL Underwriters Laboratories Inc.
 333 Piquette Road
 Northbrook, IL 60062-2006 USA
 www.ul.com
 Tel: 1 847 272 8800
 Tel: 1 941 212 8129
 CustomerFax: 1 877 854 3577

File: HRL9476 Vol. 1 Issued: 1985-07-12
 Revised: 1986-05-03

FOLLOW-UP SERVICE PROCEDURE (TYPE R)
 VALVES, ELECTRICALLY OPERATED (VI 02)

Manufacturer: SATRONIC K DOZBA 6508 8800 MEXICO (642278-002)
 Applicant: HONEYWELL CONTROL 1845 DOUGL GOLDEN VAL (803557-001)
 Listed: SAME AS AP (803557-001)

This Procedure authorizes the above Underwriters Laboratories Inc. only on the applicable Follow-Up Service Agreement.

The prescribed Mark or Marking shall be on the product, which comply with this Procedure.

The Procedure contains information for the representative of Underwriters Laboratories Inc. It is lent to the Manufacturer either wholly or in part, and that it is not to be retransmitted.

This PROCEDURE, and any subsequent revisions, are the property of Underwriters Laboratories Inc. and is not transferable.

UNDERWRITERS LABORATORIES INC.
 Sajnev J. Chief Operator

An independent organization working for

CSA Group

Certificate of Compliance

Certificate: 1154280 Master Contract: 158138
 Project: 2745788 Date Issued: July 22, 2014
 Issued to: Honeywell International Inc., ACS
 Environmental & Combustion Controls
 1985 Douglas Dr N
 Golden Valley, MN 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.

CSA
 C US
 Issued by: Valdis Udris

PRODUCTS
 CLASS 3371 03 - VALVES (GAS) - Automatic - For Gas Appliances
 CLASS 3371 03 - VALVES (GAS) - Automatic-For Gas Appliances-Certified to U.S. Standards

Model Number
 For Use With Natural, Manufactured, Mixed, Propane, Liquefied Petroleum or LP Gas-Air Mixtures
 Automatic Valves, 2 psi
 Trade Name: Honeywell
 V4295A1007, V8295A1008
 V4295A1015, V8295A1016
 V4295A1023, V8295A1024
 V4295A1031, V8295A1032
 V4295A1049, V8295A1040

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16. YOUR HONEYWELL CONTACTS

Name	Function	Responsibility
<p>John Janke john.janke@honeywell.com Laarderhoogtweg 18 1101 EA Amsterdam, The Netherlands +31 20 5656260</p>	<p>Product Marketing Specialist EMEA Industrial Combustion Controls Europe</p>	<ul style="list-style-type: none"> • Business information • Pricing • Technical & Promotional information
<p>Mitch Hauge mitch.hauge@honeywell.com 1985 Douglas Drive Golden Valley, MN 55422, USA +1 763 954 6934</p>	<p>Product Marketing Specialist NA Commercial/Industrial Combustion Controls Americas</p>	<ul style="list-style-type: none"> • Business information NA • Pricing NA • Technical & Promotional information NA
<p>Johan Hepping johan.hepping@honeywell.com Phileas Foggstraat 7 7821 AJ Emmen, The Netherlands +31 591 695 288</p>	<p>R&D Team leader R&D</p>	<ul style="list-style-type: none"> • Technical coordination
<p>Piet Blaauwwiekkel piet.blaauwwiekkel@honeywell.com Phileas Foggstraat 7 7821 AJ Emmen, The Netherlands +31 591 695 911</p>	<p>Application Center Manager R&D</p>	<ul style="list-style-type: none"> • Application support
<p>Attila Szabo attila.szabo@honeywell.com Doza Gy. U. 147 8800 Nagykanisza, Hungary +36 93 501 519</p>	<p>Sample coordinator</p>	<ul style="list-style-type: none"> • Sample requests (always copy PM)
<p>Cristina Montagnino cristina.montagnino@honeywell.com Via Delle Foppe,22 Oggiono, Italy +39 011 19506000</p>	<p>SIOP Manager</p>	<ul style="list-style-type: none"> • Forecasts and planning
<p>Peter Domotor peter.domotor@honeywell.com Doza Gy. U.147 8800 Nagykanisza, Hungary +36 93 501 474</p>	<p>Quality Manager</p>	<ul style="list-style-type: none"> • Warranty – Quality issues