



APPLICATION

- Gas Solenoid Valves are used for safety and control of gas for shut-off in gas feed pipes
- Suitable for various gasses, including Natural gas, Propane and LPG
- ¼" Inlet and outlet plugs suitable for CPI switch, pressure guage, connection to proving and interlock systems

OPERATION AND INSTALLATION

- Two-way, normally-closed energise to open.
- Rapid opening.
- Mounting direct on pipeline more or less 90 degrees (max) from the vertical axis.

TECHNICAL SPECIFICATION

- Opening time <1 second.
- Closing time <1 second.
- Max number of operations: 20 per minute.
- 1/4" Inlet and outlet plugs.
- Incorporated AISI 303 steel mesh filter.
- Cable entry gland PG11 Live, Neutral, Earth.
- Protection to IP54
- NBR based seal with a strong resistance to hydrocarbons (UNI 4916-74).
- Bodies and flanges in diecast aluminium.
- AISI 302 steel pressure spring.
- Chromate Fe 37 steel armature.
- Ambient temperature -15°C to 60°C. Coil temperature about 70°C

STANDARDS AND APPROVALS

- Class "A" BS EN161:2002 Approved.
- British Gas & European Standards.
- 90/396/EEC 73/23/EEC 89/336/EEC .
- Certificate CE EC-87/07/009.

ELECTRICAL SPECIFICATION

• Supply voltage 230V (+10%-15%) 50-60Hz.

• Coils to Class F, 360° rotation, suitable for permanent excitation.

NORMALLY CLOSED - 230VAC

TYPE	SIZE	CONNECTION	MAX PRESS.	POWER VA
ZEV10	3/8"	BSP	350 mbar	20
ZEV15	1/2"	BSP	350 mbar	20
ZEV20	3/4"	BSP	200 mbar	25
ZEV25	1"	BSP	200 mbar	25
ZEV32	11⁄4″	BSP	200 mbar	50
ZEV40	11/2"	BSP	200 mbar	50
ZEV50	2"	BSP	200 mbar	50
ZEV65	21/2"	BSP	200 mbar	68
ZEV80	3″	BSP	200 mbar	68
ZEVF65	65mm (2½")	Flanged PN16	200 mbar	68
ZEVF80	80mm (3")	Flanged PN16	200 mbar	68
ZEVF100	100mm (4")	Flanged PN16	200 mbar	170
ZEVF125	125mm (5")	Flanged PN16	200 mbar	290
ZEVF150	150mm (6")	Flanged PN16	200 mbar	290

NORMALLY CLOSED - 24VAC

ΤY	/PE	SIZE	CONNECTION
ZE	V10F	3/8"	BSP
ZE	V15F	1/2"	BSP
ZE	V20F	3/4"	BSP
ZE	V25F	1"	BSP
ZE	V32F	11⁄4″	BSP
ZE	V40F	11/2"	BSP
ZE	V50F	2"	BSP
ZE	V65F	21/2"	BSP
ZE	V80F	3″	BSP
ZE	VF65F	65mm (2½")	Flanged PN16
ZE	VF80F	80mm (3")	Flanged PN16

C >	Туре	Α	В	C
	ZEVF65	310	343	200
	ZEVF80	310	343	200
مم لللل	ZEVF100	350	384	250
	ZEVF125	400	592	300
	ZEVF150	480	630	300
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148

185

250

250



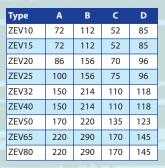


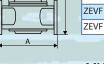












SLOW OPENING ZEVS

APPLICATION

 Slow opening gas solenoid valves are used for control and regulation of gaseous fluids in gas power burners, atmospheric gas boilers, melting furnaces, incinerators and other gas consuming appliances.

OPERATION AND INSTALLATION

- Two-way, normally-closed energise to open.
- Slow opening.
- Mounting direct on pipeline more or less 90 degrees (max) from the vertical axis.

TECHNICAL SPECIFICATION

- Slow opening from 1 to 30 seconds, step pressure and flow regulation fron top of the coil.
- Closing time <1 second.
- Max number of operations: 1 per minute.
- 1/4" Inlet and outlet plugs.
- Incorporated AISI 303 steel mesh filter.
- Cable entry gland PG11 Live, Neutral, Earth.
- Protection to IP54
- NBR based seal with a strong resistance to hydrocarbons (UNI 4916-74).
- Bodies and flanges in diecast aluminium.
- AISI 302 steel pressure spring.
- Chromate Fe 37 steel armature.
- Ambient temperature -15°C to 60°C. Coil temperature about 70°C

STANDARDS AND APPROVALS

- Class A BS EN161:2002 Approved.
- British Gas & European Standards.
- 90/396/EEC 73/23/EEC 89/336/EEC .
- Certificate CE EC-87/07/009.

ELECTRICAL SPECIFICATION

NORMALLY CLOSED - 230VAC

SI7F

3/8"

1/2"

3/4"

1"

11/4"

11/2"

TYPE

ZEVS10

ZEVS15

ZEVS20

ZEVS25

ZEVS32

ZEVS40

ZEVS50

- Supply voltage 230V (+10%-15%) 50-60Hz.
- Coils to Class F, 360° rotation, suitable for permanent excitation.

CONNECTION

BSP

BSP

BSP

BSP

BSP

BSP

BSP

MAX PRESS. POWER VA

20

20

25

25

50

50

350 mbar

350 mbar

200 mbar

200 mbar

200 mbar

200 mbar

200 mbar

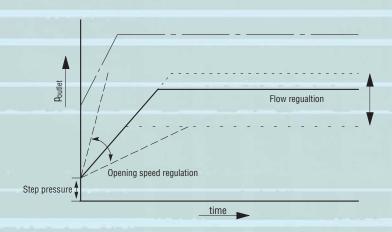


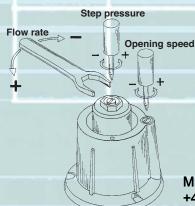
	Туре	A	В	C	D
	ZEVS10	72	168	52	85
	ZEVS15	72	168	52	85
	ZEVS20	86	200	70	96
	ZEVS25	100	200	75	96
	ZEVS32	150	288	110	118
	ZEVS40	150	288	110	118
	ZEVS50	170	304	135	123











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APPLICATION

- Gas Solenoid Valves are used for safety and control of gas for shut-off in gas feed pipes
- Suitable for various gasses, including Natural gas, Propane and LPG
- 1/4" Inlet and outlet plugs suitable for CPI switch, pressure guage

OPERATION AND INSTALLATION

- Two-way, normally-closed energise to open.
- Manual opening.
- Mounting direct on pipeline more or less 90 degrees (max) from the vertical axis.

TECHNICAL SPECIFICATION

- Manual opening when electrically energized.
- Closing time <1 second.
- 1/4" Inlet and outlet plugs
- Incorporated AISI 303 steel mesh filter.
- Cable entry gland PG11 Live, Neutral, Earth.
- Protection to IP54
- NBR based seal with a strong resistance to hydrocarbons (UNI 4916-74).
- Bodies and flanges in diecast aluminium.
- AISI 302 steel pressure spring.
- Chromate Fe 37 steel armature.
- Ambient temperature -15°C to 60°C.
 Coil temperature about 70°C

STANDARDS AND APPROVALS

- Class A BS EN161:2002 Approved
- British Gas & European Standards
- 90/396/EEC 73/23/EEC
- Certificate CE EC-87/07/009

ELECTRICAL SPECIFICATION

- Supply voltage 230V (+10%-15%) 50-60Hz.
- Coils to Class F, 360° rotation, suitable for permanent excitation.

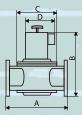
NORMALLY CLOSED - 230VAC

TYPE	SIZE	CONNECTION	MAX PRESS.	POWER VA
ZEVM10	3/8"	BSP	500 mbar	5
ZEVM15	1/2"	BSP	500 mbar	5
ZEVM20	3/4"	BSP	500 mbar	5
ZEVM25	1"	BSP	500 mbar	5
ZEVM32	11⁄4″	BSP	500 mbar	5
ZEVM40	11/2"	BSP	500 mbar	5
ZEVM50	2"	BSP	500 mbar	18
ZEVM65	21/2"	BSP	500 mbar	18
ZEVM80	3″	BSP	500 mbar	18
ZEVMF65	65mm (2½)"	Flanged PN16	500 mbar	18
ZEVMF80	80mm (3")	Flanged PN16	500 mbar	18
ZEVMF100	100mm (4")	Flanged PN16	500 mbar	18





Туре	Α	В	C	D
ZEVM10	72	150	52	85
ZEVM15	72	150	52	85
ZEVM20	86	160	70	85
ZEVM25	100	160	75	85
ZEVM32	150	221	110	85
ZEVM40	150	221	110	85
ZEVM50	170	285	135	120
ZEVM65	220	285	170	120
ZEVM80	220	330	170	120



Туре		Α	В	c	D
	ZEVMF65	310	360	200	120
	ZEVMF80	310	360	200	120
	ZEVMF100	350	360	250	120

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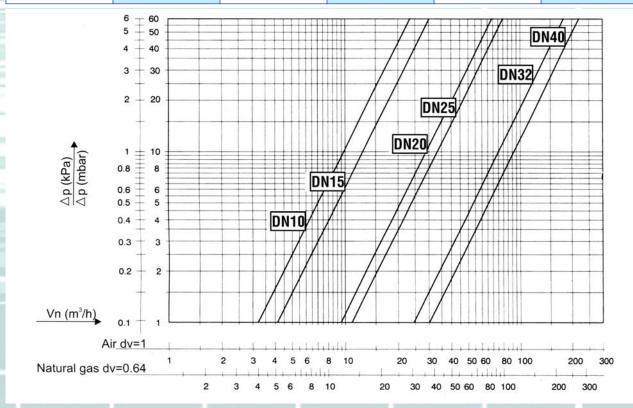
SELECTION CHARTS FOR GAS SOLENOID VALVES

FLOW RATE DIAGRAM

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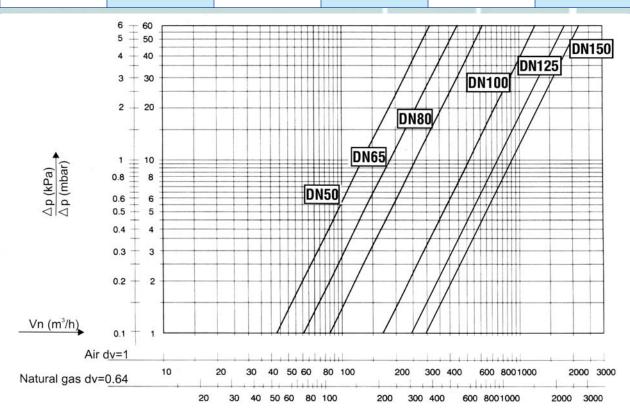
Flow rate m³/h with $\triangle p = 2.54$ mbar (specific gravity = 1 to 1013mbar, 15° C

3/8" DN10	½″ DN15	¾" DN20	1" DN25	1¼" DN32	1½" DN40
5	6.4	14.8	16.7	38.5	47.1



Flow rate m³/h with $\triangle p = 2.5$ mbar (specific gravity = 1 to 1013mbar, 15° C

2" DN50	2½" DN65	3" DN80	4" DN100	5" DN125	6" DN150
66.7	94.2	131	264	370	450



Thermal Link

The electro fusible thermal link is designed to be used where there is a potential fire hazard, such as in a boiler or plant rooms.

In the event of fire the temperature sensitive fuse will interrupt the power supply, activating alarms or shut down devices.

The unit should be mounted so that the perforated cover faces downwards and the ventilation holes in the back/side of the box must not be obstructed.

The link is electrically rated at 5 amps max on 200/250 Vac and melts at 68° C. IP30 Protection

TL-1 Cast aluminium box with a 20mm conduit thread 60x50x30mm

TL 2 Zinc plated steel with a 20mm conduit entry 75x53x31mm

TL-2

TL-1

Emergency Stop Button

The emergency stop button is designed for manual shut down of systems or machines in the event of fire or other emergencies.

Key reset version can be used to prevent any unauthorized restarting of machinery/system following an emergency shut down.

10 (6) Amps at 230 Vac Volts free contact. IP65 Protection

EM-1 Push to break circuit – Turn to reset
EM-1K Push to break circuit – Use key to reset

EM-1K EM-1

Closed Position Indication Switch

The closed position switch can be used on ZEV gas solenoid valves to indicate position of valve.

Operational voltage: 250 Vac 3A

Enclosure: IP65

Ambient Temperature: -15 to +60°C

CPI-20/25 Valve size ¾"and 1" CPI-32/40 Valve size 1¼"and 1½"

CPI-50 Valve size 2"

CPI-65/80 Valve size 21/2" and 3" BSP & Flanged

CPI-100 Valve size 4" Flanged



Xenon Beacon

White polycarbonite body.

BCR-1 Red 230 Vac 3W 1 sec pulses BCY-1 Amber 230 Vac 3W 1 sec pulses





Stand Alone Gas Minder (Interlock System)

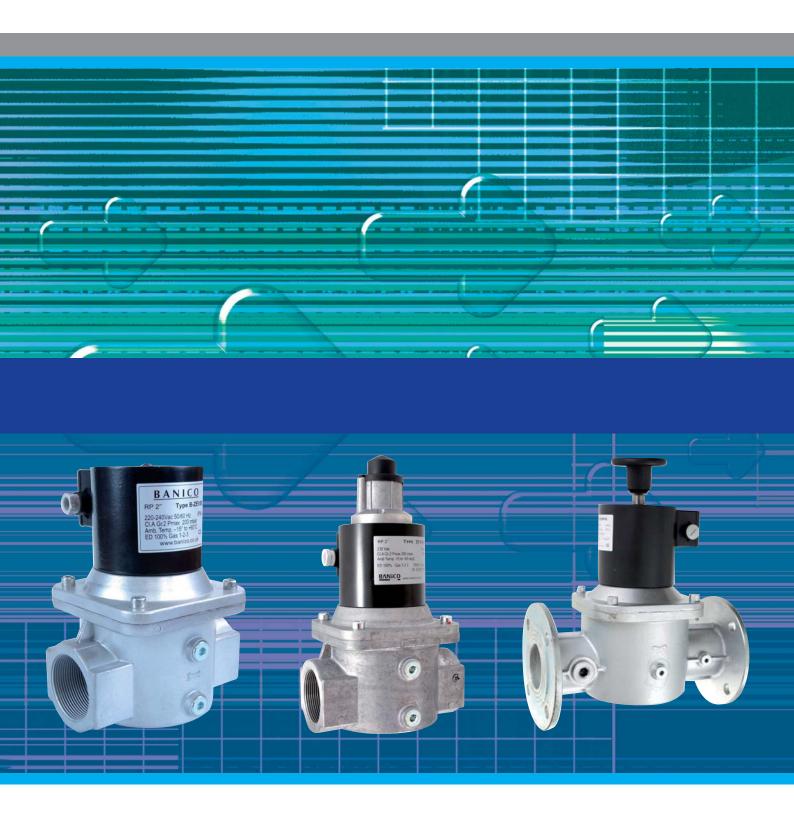
Complies with all current Corgi gas regulations for commercial kitchens. gas Minder ensures there is no gas flow to burners unless air extraction is present.

This unit to be used with 230 Vac gas solenoid valves

The system consists of central control unit + pressure switch + duct kit + emergency stop button









ISO9001:2000 approved. No. GB00568

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