



# Gas Solenoid Valves



**BANiCO**  
Controls



# 02

# total quality total support worldwide

World-class instruments for control, regulation and protection, all backed by an exceptional technical customer support service.



Dalimore Road site



Established in 1988, Banico is an innovative and highly esteemed company. Leading UK manufacturer of Class "A" Gas Solenoid Valves to British and European standards. Approved and certified to BS EN161:2013, Certificate No. CE EC-0063CP1844.

Combining vast technical experience with a service designed to give you all of the help, advice and support needed, Banico provides a single UK manufacturing source for a total range of control solutions for the heating, ventilation, air conditioning, automation and process industries.

## CUSTOMISED SOLUTIONS TO YOUR EXACT NEEDS

In addition to the standard controls featured on these pages, we can supply customised products, designed and manufactured to meet your exact specifications for worldwide distribution, as required. We can also badge controls to meet your particular marketing requirements.

## WARRANTY

Banico's industry leading 2 year warranty is a demonstration of company's confidence in the quality and design of their products. Our standard warranty is 12 months but in order to qualify for the extended 2 year manufacturer warranty it is necessary to return the warranty card for registration.



## QUALITY CONTROL

Banico operates an international quality management system and is certified to BS EN ISO 9001:2008 to maintain its commitment to continuously improve its products and services.



# automatic valves ZEV

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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 gases, including Natural gas, Propane and LPG  
 1/4" 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 (5", 6" and 8" in steel)  
 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 EN161:2013 Approved  
 British Gas & European Standards  
 90/396/EEC - 73/23/EEC - 89/336/EEC  
 Certificate CE EC-0063CP1844

## ELECTRICAL SPECIFICATION

Supply voltage 230V (-15%+10%) 50-60Hz  
 110V (-15%+10%) 50-60Hz  
 24V (-15%+10%) 50-60Hz  
 24VDC  
 12VDC

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



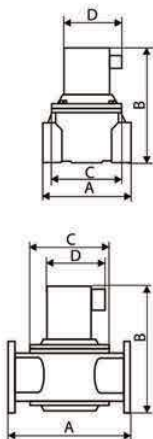
ZEV50



ZEVF100



ZEVF150



Type	A	B	C	D
ZEV10	72	112	52	85
ZEV15	72	112	52	85
ZEV20	86	156	70	96
ZEV25	100	156	75	96
ZEV32	150	214	110	118
ZEV40	150	214	110	118
ZEV49	150	214	110	118
ZEV50	170	220	135	123
ZEV65	220	290	170	145
ZEV80	220	290	170	145

Type	A	B	C	D
ZEVF65	310	343	200	148
ZEVF80	310	343	200	148
ZEVF100	350	384	250	185
ZEVF125	400	592	300	250
ZEVF150	480	630	300	250
ZEVF200	600	724	300	250



## SUPPLY VOLTAGE 230VAC (-15% +10%) 50-60 HZ

TYPE	SIZE	CONNECTION	MAX PRESS	SUPPLY -15% +10%	POWER W	WEIGHT KGS	BOXED QTY
ZEV10	3/8"	BSP	360	230 Vac	15	1.10	12
ZEV15	1/2"	BSP	360	230 Vac	15	1.10	12
ZEV20	3/4"	BSP	360	230 Vac	22	2.20	12
ZEV25	1"	BSP	360	230 Vac	22	2.20	12
ZEV32	1 1/4"	BSP	360	230 Vac	42	5.00	4
ZEV40	1 1/2"	BSP	360	230 Vac	42	5.00	4
ZEV49	2"	BSP	360	230 Vac	42	5.20	4
ZEV50	2"	BSP	360	230 Vac	50	6.20	4
ZEV65	2 1/2"	BSP	360	230 Vac	72	12.90	2
ZEV80	3"	BSP	360	230 Vac	72	12.80	2
ZEVF65	65mm (2 1/2")	Flanged PN16	360	230 Vac	72	15.00	1
ZEVF80	80mm (3")	Flanged PN16	360	230 Vac	72	15.30	1
ZEVF100	100mm (4")	Flanged PN16	360	230 Vac	175	36.40	1
ZEVF125	125mm (5")	Flanged PN16	200	230 Vac	290	108.00	1
ZEVF150	150mm (6")	Flanged PN16	200	230 Vac	290	129.00	1
ZEVF200	200mm (8")	Flanged PN16	200	230 Vac	290	160.00	1



ZEV20

## AUTOMATIC ON/OFF - WEATHER PROOF to IP65

TYPE	SIZE	CONNECTION	WEATHER PROOFING
ZEV10-IP65	3/8"	BSP	IP65
ZEV15-IP65	1/2"	BSP	IP65
ZEV20-IP65	3/4"	BSP	IP65
ZEV25-IP65	1"	BSP	IP65
ZEV32-IP65	1 1/4"	BSP	IP65
ZEV40-IP65	1 1/2"	BSP	IP65
ZEV49-IP65	2"	BSP	IP65
ZEV50-IP65	2"	BSP	IP65
ZEV65-IP65	2 1/2"	BSP	IP65
ZEV80-IP65	3"	BSP	IP65
ZEVF65-IP65	65mm (2 1/2")	flanged PN16	IP65
ZEVF80-IP65	80mm (3")	flanged PN16	IP65
ZEVF100-IP65	100mm (4")	flanged PN16	IP65
ZEVF125-IP65	125mm (5")	flanged PN16	IP65
ZEVF150-IP65	150mm (6")	flanged PN16	IP65
ZEVF200-IP65	200mm (8")	flanged PN16	IP65



ZEV20-IP65

## SUPPLY VOLTAGE 110VAC (-15% +10%) 50-60 HZ

TYPE	SIZE	CONNECTION	MAX PRESS	SUPPLY -15% +10%	POWER W	WEIGHT KGS	BOXED QTY
ZEV10-110	3/8"	BSP	360	110 Vac	15	1.10	12
ZEV15-110	1/2"	BSP	360	110 Vac	15	1.10	12
ZEV20-110	3/4"	BSP	360	110 Vac	25	2.20	12
ZEV25-110	1"	BSP	360	110 Vac	25	2.20	12
ZEV32-110	1 1/4"	BSP	360	110 Vac	45	5.00	4
ZEV40-110	1 1/2"	BSP	360	110 Vac	45	5.00	4
ZEV49-110	2"	BSP	360	110 Vac	45	5.20	4
ZEV50-110	2"	BSP	360	110 Vac	45	6.20	4
ZEV65-110	2 1/2"	BSP	360	110 Vac	86	12.90	2
ZEV80-110	3"	BSP	360	110 Vac	86	12.80	2
ZEVF65-110	65mm (2 1/2")	Flanged PN16	360	110 Vac	86	15.00	1
ZEVF80-110	80mm (3")	Flanged PN16	360	110 Vac	86	15.30	1



ZEV15-110



# automatic valves ZEV

# 05

## SUPPLY VOLTAGE 24VAC (-15% +10%) 50-60 HZ

TYPE	SIZE	CONNECTION	MAX PRESS	SUPPLY -15% +10%	POWER W	WEIGHT KGS	BOXED QTY
ZEV10-24	3/8"	BSP	360	24 Vac	25	1.10	12
ZEV15-24	1/2"	BSP	360	24 Vac	25	1.10	12
ZEV20-24	3/4"	BSP	360	24 Vac	25	2.20	12
ZEV25-24	1"	BSP	360	24 Vac	25	2.20	12
ZEV32-24	1 1/4"	BSP	360	24 Vac	55	5.00	4
ZEV40-24	1 1/2"	BSP	360	24 Vac	55	5.00	4
ZEV49-24	2"	BSP	360	24 Vac	55	5.20	4
ZEV50-24	2"	BSP	360	24 Vac	55	6.20	4
ZEV65-24	2 1/2"	BSP	360	24 Vac	90	12.90	2
ZEV80-24	3"	BSP	360	24 Vac	90	12.80	2
ZEVF65-24	65mm (2 1/2")	Flanged PN16	360	24 Vac	90	15.00	1
ZEVF80-24	80mm (3")	Flanged PN16	360	24 Vac	90	15.30	1



ZEV50-24

## AUTOMATIC ON/OFF - SUPPLY VOLTAGE 24 VDC

TYPE	SIZE	CONNECTION	MAX PRESS	SUPPLY -15% +10%	POWER W	WEIGHT KGS	BOXED QTY
ZEV10-24DC	3/8"	BSP	360	24 Vdc	12	1.10	12
ZEV15-24DC	1/2"	BSP	360	24 Vdc	12	1.10	12
ZEV20-24DC	3/4"	BSP	360	24 Vdc	20	2.20	12
ZEV25-24DC	1"	BSP	360	24 Vdc	20	2.20	12
ZEV32-24DC	1 1/4"	BSP	360	24 Vdc	35	5.00	4
ZEV40-24DC	1 1/2"	BSP	360	24 Vdc	35	5.00	4
ZEV49-24DC	2"	BSP	360	24 Vdc	35	5.20	4
ZEV50-24DC	2"	BSP	360	24 Vdc	35	6.20	4
ZEV65-24DC	2 1/2"	BSP	360	24 Vdc	65	12.90	2
ZEV80-24DC	3"	BSP	360	24 Vdc	65	12.80	2
ZEVF65-24DC	65mm (2 1/2")	Flanged PN16	360	24 Vdc	65	15.00	1
ZEVF80-24DC	80mm (3")	Flanged PN16	360	24 Vdc	65	15.30	1



## AUTOMATIC ON/OFF - SUPPLY VOLTAGE 12 VDC

TYPE	SIZE	CONNECTION	MAX PRESS	SUPPLY -15% +10%	POWER W	WEIGHT KGS	BOXED QTY
ZEV10-12DC	3/8"	BSP	360	12 Vdc	12	1.10	12
ZEV15-12DC	1/2"	BSP	360	12 Vdc	12	1.10	12
ZEV20-12DC	3/4"	BSP	360	12 Vdc	20	2.20	12
ZEV25-12DC	1"	BSP	360	12 Vdc	20	2.20	12
ZEV32-12DC	1 1/4"	BSP	360	12 Vdc	35	5.00	4
ZEV40-12DC	1 1/2"	BSP	360	12 Vdc	35	5.00	4
ZEV49-12DC	2"	BSP	360	12 Vdc	35	5.20	4
ZEV50-12DC	2"	BSP	360	12 Vdc	35	6.20	4
ZEV65-12DC	2 1/2"	BSP	360	12 Vdc	65	12.90	2
ZEV80-12DC	3"	BSP	360	12 Vdc	65	12.80	2
ZEVF65-12DC	65mm (2 1/2")	Flanged PN16	360	12 Vdc	65	15.00	1
ZEVF80-12DC	80mm (3")	Flanged PN16	360	12 Vdc	65	15.30	1

