

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
 ¼" Inlet and outlet plugs suitable for CPI switch, pressure gauge, 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
 ¼" 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



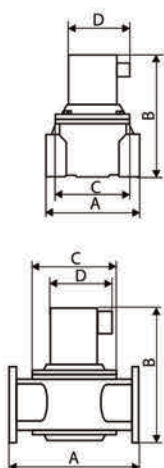
ZEV50



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



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



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



automatic valves ZEV

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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

