

4.80

SOLENOID VALVE

VALVOIND Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461



EV 133

2 WAY LIFT-ASSISTED SOLENOID VALVES - IP 65



Application : water - air
body : OT 58 brass
temp. : - 10 + 90°C
ends details : gas thread. F/F
std seal : NBR (Buna)

Working with min. super pressure

Voltage: 24 - 48 - 115 - 220 - 240 V 50/60Hz -
 :12 - 24 V dc

SEAL	CODE	
	N.C	N.O
NBR	EV133..	EV136..
EPDM	EV134..	EV137..
FKM	EV135..	EV138..

Code	Type	COIL		Ø Thread.	L	Ø int. (mm)	KV L/min	Diff. press (bar)				Power	
		mod.	class					min.	max.		VA	W	
									AC	DC			AC
EV...03	L23 D	C 3	F	3/8"	64	12,7	35	0,15	16	14	13	8	
EV...04	L23 E	C 3	F	1/2"	64	12,7	40	0,15	16	14	13	8	
EV...05	L23 F	C 3	F	3/4"	82	19	90	0,15	16	14	13	8	
EV...06	L23 G	C 3	F	1"	100	25	176	0,15	12	12	13	8	
EV...07	L03 H	C 3	F	1 1/4"	134	37	300	0,15	10	10	13	8	
EV...08	L03 I	C 3	F	1 1/2"	134	37	350	0,15	10	10	13	8	
EV...09	L03 L	C 3	F	2"	152	50	600	0,15	10	10	13	8	

EV 123

TWO WAY DIRECT ACTING SOLENOID VALVES - IP 65



working without min. superpressure

Application : water - air
body : OT 58 brass
temp. : - 10 + 90°C

ends details : gas thread. F/F
std seal : NBR (Buna)
on request : FKM - EPDM

Code	Type	COIL		Ø Thread.	L	Ø int. (mm)	KV L/min	Superpress. (bar)				Power	
		mod.	class					min.	max.		VA	W	
									AC	DC			AC
EV...03	L24 D	C 4	F	3/8"	64	12,7	35	0	10	6	22	27	
EV...04	L24 E	C 4	F	1/2"	64	12,7	40	0	10	6	22	27	
EV...05	L24 F	C 4	F	3/4"	82	19	90	0	7	3	22	27	
EV...06	L24 G	C 4	F	1"	100	25	176	0	7	3	22	27	

Voltage : 24 - 115 - 220 - 240 V ac with double frequency 50/60Hz - 12 and 24 V dc

SEAL	CODE	
	N.C	N.A
NBR	EV123..	EV126..
EPDM	EV124..	EV127..
FKM	EV125..	EV128..

EV 150

LIFT-ASSISTED PISTON SOLENOID VALVE FOR STEAM 180°C



body : OT 58 brass
seal : PTFE
end detail : gas thread. F/F

working without min. superpressure

suggestion
 better if the coil is mounted in downward direction

working temp. AC : + 180°C
 DC : +160°C

Code	Type	COIL		Ø Thread.	L	Ø int. (mm)	KV L/min	Superpress. (bar)				Power	
		mod.	class					min.	max.		VA	W	
									AC	DC			AC
EV15003	L34 D	C 4	H	3/8"	64	12,7	35	0,4	8	8	22	27	
EV15004	L34 E	C 4	H	1/2"	64	12,7	40	0,4	8	8	22	27	
EV15005	L34 F	C 4	H	3/4"	82	19	87	0,4	6	5	22	27	
EV15006	L34 G	C 4	H	1"	100	25	140	0,4	6	3	22	27	

Voltage : 24 - 115 - 220 - 240 V ac with double frequency 50/60Hz - 12 and 24 V dc

EV 158

IRONING SYSTEM SOLENOID VALVE (with steam control)



suitable for control the industrial flatiron system,
 it is complete of stopcock to control the flow rate,
 coil and connector
 pipe end connections gas threaded

code	Ø	Max pressure in bar	
EV 15802	1/4"	ca	cc
		10	4

4.81

SOLENOID VALVE

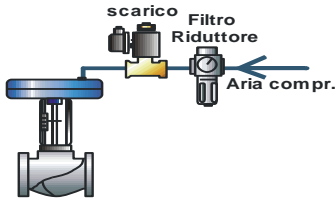
Valvoid

valvole industriali

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EV 141

3 WAY SOLENOID VALVE - IP 65



C02 C38 IP

working without min. super pressure

This applies particularly to pneumatic actuator

Application	: water - air - inert gas (noble gas)	end connect.	: gas thread. F/F
body	: OT 58 brass	seal	: NBR
temp.	: - 10 + 90°C	on request	: FKM - EPDM

Code	TYOE	COIL		Ø	Ø int.	KV	Superpress. (bar)		power		
		mod.	class				min.	max.	VA	W	
				Thread.	(mm)	L / min		AC	DC	AC	DC
EV14101	C02 B	C 3		1/8"	2,4	2,2	0	10	10	13	8
EV14102	C02 C	C 3		1/4"	2,4	2,3	0	10	10	13	8
EV14103	C38 IP	B6		3/8"	9	16	0	10			
EV14104	C38 IP	B6		1/2"	9	16	0	10			

Voltage : 24 - 115 - 220 - 240 V with double frequency 50/60Hz - 12 24 V dc

EV 170

NAMUR 3/2 NC - 5/2 SOLENOID VALVE

IP 65



Solenoid valve designed for direct mounting onto 1/4 turn pneumatically operated valve actuators meeting 'NAMUR' standard fixing dimensions.

Manual control standard

body : Alluminium

Volage : 24V cc - 24V ca - 110V ca - 220V ca

Superpressure : 2- 10 bar

End connection : 1/4" threaded , guarnizioni in NBR (nitrile)



MODELS	1 SOLENOID	2 SOLENOIDS
STANDARD = IP 65	EV 17002	EV 17202
EEXia IIC ATEX EX II1GD	EV 17051	EV 17251
EEX d IIC T6 ATEX EX II 2 GD	EV 17061	EV 17261

EV 300

FLANGED SOLENOID VALVE

EV300..	MATERIAL BODY	Bronze BsPb7, internal brass and Aisi 410
EV320..	Aisi 316, internal Aisi316 and 410	
FLUIDS	steam and hot fluids - naphtha neutral, gaseous and liquids with max viscosity 3°E. corrosive e food with max viscosity 3°E.	
OPERATING TEMPERATURE	Temperatura: + 200°C max. Temperatura: - 200°C ÷ + 120°C	
WORKING PRESSURE	DN 15 ÷ DN 25 = 1 ÷ 30 Bar DN 32 ÷ DN 50 = 1 ÷ 25 Bar DN 65 ÷ DN 80 = 1 ÷ 20 Bar	
END CONNECT.	from DN 15 to DN 80 flanged	
SPECIAL EXECUTION	reset botton Normally open, energized closed protection degree IP66, explosion proof Eex Handwheel control	



EV 800

ELECTROMAGNET AND SOLENOID'S VALVE COIL

Solenoid's coil



code	model	class	code	model	class
EV80101	C1	F	EV81101	C1	H
EV80102	C2	F	EV81102	C2	H
EV80103	C3	F	EV81103	C3	H
EV80104	C4	F	EV81104	C4	H
EV85101	CONNECTOR'S COIL C1 -				DIN 43650 B
EV85102	CONNECTOR'S COIL C2 - C3 - C4				DIN 43650 A

EV 180

AISI 316 2 WAY LIFT-ASSISTED SOLENOID VALVES



INOX

EV 180.. NBR seals
EV 181.. EPDM seals
EV 182.. PFM seals

Normally closed solenoid valve
working with min. superpressure

Code	Type	COIL		Ø Thread.	L	Ø int. (mm)	KV L / min	Superpress. (bar)			Power	
		mod.	class					min	max.		VA	W
								AC	DC	AC	DC	
EV...04	L23 E	C 3	F	1/2"	64	12,7	40	0,15	18	18	13	8
EV...05	L23 F	C 3	F	3/4"	64	19	90	0,15	16	16	13	8

EV 190

AISI 316 TWO WAY LIFT-ASSISTED PISTON SOLENOID VALVES



INOX

EV 190.. NBR seals
EV 191.. EPDM seals
EV 192.. PFM seals
EV 193.. PTFE seals

Normally closed solenoid valve
working with min. superpressure

Code	TYPE	COIL		Ø Thread.	L	Ø int. (mm)	KV L / min	Superpress. (bar)			Power	
		mod.	class					min.	max.		VA	W
								AC	DC	AC	DC	
EV...04	L04 E	C 4	F	1/2"	64	12,7	40	0	14	12	22	27
EV...05	L04 F	C 4	F	3/4"	64	19	90	0	10	8	22	27



INOX

Code	TYPE	COIL		Ø Thread.	L	Ø int. (mm)	Superpress. (bar)		
		mod.	class				minima	max.	
							AC	DC	
EV...06	EMI	L3	F	1"	110	25	0	8	
EV...07	EMI	L3	F	1¼"	120	32	0	6	
EV...08	EMI	L3	F	1½"	130	40	0	6	
EV...09	EMI	L3	F	2"	160	50	0	10	
EV...10	EMI	L3	F	2½"	190	65	0	10	

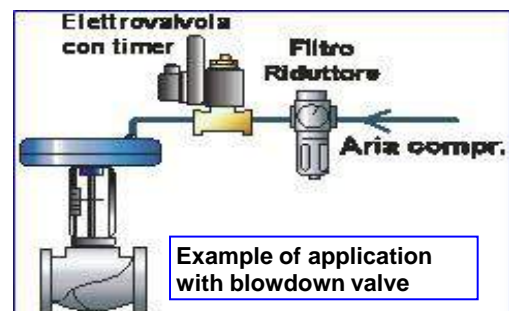
EV 900

TIMERS FOR SOLENOID VALVE

this timer is particularly designed to control the heater's blowdown valve
with this instruments is possible to set the opening frequency and its duration
easy installation on solenoid valve between coil and connector
complete of testing push button
and two status led



cycles time : da 0,5 a 45 minuti
operating time : da 0,5 a 10 secondi
carico max continuo : 1 A
corrente assorbita : 4 mA max.
protection degree : IP 65
power supply : 24/240 Vac 50/60 Hz
DIN end connection



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SPECIAL SOLENOID VALVE Eex



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Valvoid

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EV 400

Eexd 2 WAY SOLENOID VALVE LIFT ASSISTED PISTON (direct+servoassisted)

2 way solenoid valve lift assisted piston (direct+servoassisted)with spring return, specific for low pressure

Type	COIL	EX PROTECTION DEGREE	GASKET		BUNA - FPN		Gas - NPT					
L36 Eex	B6E	Ex-d II 1G/2GDc (IIB o IIC)	EPDM - RULON				Threaded					
Code	Ø	BODY		Ø	L	Ø int.	KV	Superpress. (bar)		Power		
EV40103	3/8"	BRASS		Thread.		(mm)	L / min	min. bar	max.		VA	W
EV40104	1/2"								AC	DC		
EV40105	3/4"			S.STEEL	3/8"	64	12,7	35	0	5	1	11
EV40504	1/2"	1/2"	64		12,7	40	0	5	1	11	11	
EV40505	3/4"	3/4"	83		18	87	0	2	0,5	11	11	

Available voltage in 12, 24, 48, 110, 115, 125, 220, 240 Volt

EV 410

Eexd 2 WAY SOLENOID VALVE INDIRECT ACTION

2 way spring returns lift assisted solenoid valve, for middle pressure - high frequency operations normally closed - Diaphragm seal type for general purpose or piston type for heavy duty uses;

Available voltage :

12, 24, 48, 110, 115, 125, 220, 240 Volt

		EX PROTECTION DEGREE	GASKET									
		Ex-d II 1G/2GDc (IIB o IIC)	BUNA N -EPDM -VITON -HNBR -PTFE									
Code	Ø	BODY		Ø	L	Ø int.	KV	Superpress. (bar)		Power		
EV41004	1/2"	S.STEEL		Thread.		(mm)	L / min	min. bar	max.		VA	W
EV41005	3/4"								AC	DC		
EV41503	3/8"	BRASS		3/8"	64	12,7	35	0,2	16	16	11	11
EV41504	1/2"		1/2"	64	12,7	40	0,2	16	16	11	11	
EV41505	3/4"		3/4"	82	18	87	0,2	14	16	11	11	
EV41506	1"		1"	100	25	170	0,2	12	16	11	11	
EV41507	1 1/4"		1 1/4"	134	36	300	0,2	10	16	11	11	
EV41508	1 1/2"		1 1/2"	134	36	340	0,2	10	16	11	11	
EV41509	2"		2"	152	50	600	0,2	10	16	11	11	

EV 420

2 WAY SOLENOID VALVE FOR HIGH PRESSURE (100 BAR)

Type	Gas Thread	Derec Protection	Coil		Ø	L	Ø int.	KV	Superpress. (bar)		Power		
EV42003	3/8"	IP 65	B7		Thread.		(mm)	L / min	min bar	max.		VA	W
EV42103	3/8"	Eex	B6E							AC	DC		
				3/8"	58	8,7	18	2	100	50	11	11	

available voltage 12, 24, 48, 110, 115, 125, 220, 240 Volt

EV 430

THREADED AND FLANGED 2 WAY SOLENOID VALVE - MANUAL RESET

2 way bronze body manual reset solenoid valve.

Suitable for gaseous and liquid media compatible with the body and seals materials. 360° degrees orientable solenoid.

Two way manual reset solenoid valves are safety lock devices wich are manually latched in the "open" position and going back to the "closed" position electrically.



EV431..	Threaded	IP 65	EV435..	flanged	IP 65
EV432..		Eex	EV436..		Eex

threaded	L	Flanged	L	Ø int. (mm)	KV L / min	Superpressure (bar)	
						min.	max.
3/4"	80	-	-	20	100	0	5
1"	94	-	-	25	160	0	5
1 1/4"	109	-	-	32	250	0	5
1 1/2"	119	-	-	38	360	0	5
2"	140	DN 50	142	50	645	0	5
2 1/2"	170	DN 65	158	62	1000	0	5
3"	188	DN 80	189	75	1450	0	5
4"	209	DN100	246	100	2400	0	5

available voltage 12, 24, 48, 110, 115, 125, 220, 240 Volt

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COMPRESSED AIR AUTOMATIC DRAIN VALVE AND HUMIDITY SEPARATOR

Valvoid

valvole industriali

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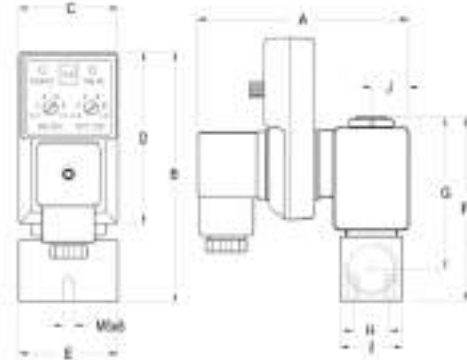
CAD

COMPRESSED AIR AUTOMATIC DRAIN VALVES

PN40

Da Ø 3/8" a Ø1/2"
Da DN10 a DN15

- **OPTIONS**
Stainless steel valve body
- **USE**
Compressed air, oil, gases and liquids compatible with the materials of construction.
- **MODELS**
CAD
- **CONNECTIONS**
Female screwed ISO 7/1 Rp (BS21)
- **INSTALLATION**
In any position.



DIMENSIONS (mm)										
SIZE DN	A	B	C	D	E	F	G	H	I	WGT. Kgs
3/8"	80	112	42	75	40	75	63	15	20	0.4
1/2"	90	112	42	75	40	75	63	15	20	0.4

SPECIFICATIONS		
TIMER		VALVE
Interval time	0,5 - 45 minutes	Type
Discharge time	0,5 - 10 seconds	in/Out ports
Supply voltage	240 V (24V on request)	Max. Working pressure
Current consumption	4 mA Max.	Min / Max. Temperature
Operating temperature	-40°C to +60°C	Media temperature
Environmental protection	IP 65	Valve Body
Housing material	ABS Plastic FR grade	Insulation
Connection	DIN 43650A ISO 4400/8952	Environmental protection
Indicators	1LED (yellow) to indicate on phase 1LED (yellow) to indicate off phase	Supply voltage
		Voltage tolerance

S16/S

HUMIDITY SEPARATORS

PN16

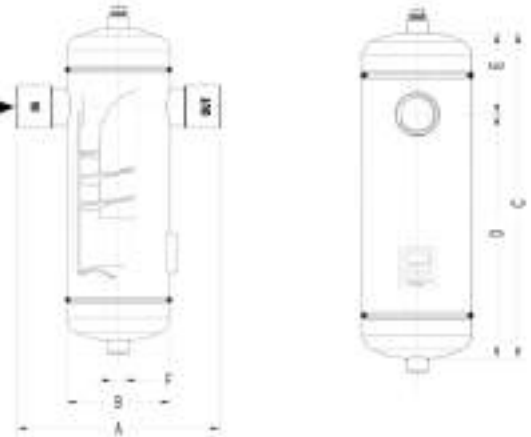
Da Ø1/2" a Ø2"
Da DN15 a DN50

- **OPTIONS**
Zinc plated (compressed air).
Condensate flanged connection.
- **USE**
Steam, compressed air and other gases (Group 2).
- **MODELS**
S16/S - carbon steel body.
- **PIPE CONNECTIONS**
Screwed BSP or NPT.
- **INSTALLATION**
Always with the condensate discharge pointing downwards.
See IMI, installation and

LIMITING CONDITIONS **		
Rating	Press. bar	Temp. °C
PN16	15	50
	14	100
	13*	195
	12	250

*PMO-Max.operating pressure for Saturated steam.
Minimum operating temp.: -10°C.
Design code: AD-Merkblatt

** Rating according to EN1092:2007.



CEMARKING - PED (European Directive)		
RATING	SIZE	CAT.
PN16	DN 1/2" to DN 1"	SEP
	DN 1 1/4" to DN 2"	1

APPROXIMATE DIMENSIONS (mm)									
DN	A	B	C	D	E	F**	VOL. dm3	WGT Kg	
1/2"	218	114	260	165	70	1/2"	2	5	
3/4"	218	114	260	165	75	1/2"	2,5	8	
1"	230	114	300	200	100	1/2"	3	7	
1 1/4"	263	140	395	265	110	1/2"	5	12	
1 1/2"	263	140	435	325	110	1/2"	5,7	13,8	
2"	322	166	505	365	120	1/2"	10,5	19,5	

Weight and dimensions to be confirmed in case of order.
** F-screwed drain connection as standard. Alternatively can be supplied flanged EN1092-1 or ANSI on the same class of main dimensions.
Consult factory for certified dimensions. Dimensions subject to change without notice.
Note: the top of separator is supplied with a threaded connection with size not exceeding the size of drain one. This connection is always supplied closed with a threaded socket. It can be used for air vent or balancing pipe connection.

MATERIALS	
DESIGNATION	MATERIAL
Body	EN10216-2 / P235GH / 1.0325
Heads	EN10028-2 / P265GH / 1.0425
Inlet / Outlet pipes	EN10216-2 / P235GH / 1.0325
Sockets Inlet / Outlet	ASTM A105 / 1.0432
Sockets	ASTM A105 / 1.0432
Internals	EN10025-2 / S235JR / 1.0036

EN10204 3.1 certificate available if requested with the order.