

## SOLENOIDS for R Series



### Indirect acting solenoid control R series

			Power		Current			Connections			Control		
progres code	Voltage	Frequency	Holding Power	In Rush Power	Holding Current (mA)	In Rush Current (mA)	cosφ	ED	Faston(F), Cables(C) Unipolar	Cables bipolar in mm	Approvals	NC	NO**
1	12V AC	50 HZ 60 HZ	5 VA 4,5 VA	5,9 VA 5,4 VA	429 mA 382 mA	490 mA 440 mA	0,63 0,57	100%	F			X	X
2	12V AC/DC	50 HZ 60 HZ =	4,4 VA 4,1 VA 8,5 W	5,2 VA 4,6 VA /	365 mA 340 mA 710 mA	433 mA 383 mA /	0,65 0,59 /	100%	F, C	2500	EneC	X	X
3	12V AC/DC	50 HZ 60 HZ =	4,4 VA 4,1 VA 8,5 W	5,2 VA 4,6 VA /	365 mA 340 mA 710 mA	433 mA 383 mA /	0,65 0,59 /	100%	F, C	2500	EneC, GW	X	X
4	12V DC	=	5,4 W	/	450 mA	/	/	100%	F, C		EneC	X	X
5	12V DC	=	5,4 W	/	450 mA	/	/	100%	F, C		EneC, GW	X	X
6	12V DC	=	3,6 W	/	300 mA	/	/	100%	F, C			X	X
7	24V AC	50 HZ 60 HZ	7,2 VA 6,5 VA	8,1 VA 7,3 VA	302 mA 270 mA	337 mA 305 mA	0,65 0,60	100%	F, C	620, 2500	EneC	X	X
8	24V AC	50 HZ 60 HZ	7,2 VA 6,5 VA	8,1 VA 7,3 VA	302 mA 270 mA	337 mA 305 mA	0,65 0,60	100%	F, C	620, 2500	EneC, UL	X	X
9	24V DC	=	3,2 W	/	134 mA	/	/	100%	F, C	1000, 1450, 2000, 2500		X	X
10	24V DC	=	6,3 W	/	265mA	/	/	100%	F, C		EneC	X	X
11	24V DC	=	6,3 W	/	265mA	/	/	100%	F, C		EneC, GW, UL	X	X
12	L6V DC	=	2,25 W (25ms)	/	375 mA	/	/		F, C			Bistab	Latching

13	100/120 V AC	50 HZ 60 HZ	7,7 VA 6,9 VA	8,8 VA 7,9 VA	70 mA 63 mA	80 mA 72 mA	0,66 0,60	100%	F		UL	X	X
14	220/240 V AC	50 HZ 60 HZ	6,6 VA 6,3 VA	7,6 VA 6,7 VA	29,7mA 27 mA	33 mA 29 mA	0,71 0,67	100%	F, C	620	EneC	X	X
15	220/240 V AC	50 HZ 60 HZ	12,65 VA 10,71 VA	13 VA 11,61 VA	55 mA 46 mA	58 mA 51 mA	0,69 0,61	3 - 5min	F, C	620	EneC	X	X
16	220/240 V AC	50 HZ 60 HZ	6,6 VA 6,3 VA	7,6 VA 6,7 VA	29,7mA 27 mA	33 mA 29 mA	0,71 0,67	100%	F, C	620	EneC, UL	X	X
17	230V AC	50 HZ 60 HZ	8,4 VA 7,6 VA	9,7 VA 8,3 VA	36,5 mA 33 mA	42 mA 36 mA	0,74 0,70	100%	F, C	620, 1000, 1450,	EneC	X	X
18*	230V AC	50 HZ 60 HZ	8,4 VA 7,6 VA	9,7 VA 8,3 VA	36,5 mA 33 mA	42 mA 36 mA	0,74 0,70	100%	F, C	2000, 2500	EneC	X	X

(\* ) Materials approved UL

(\*\* ) The solenoid NO are not available for bipolar wire

(! ) (\*\*\*) The Solenoids with Unipolar & Bipolar wires are NOT available for DOUBLE, TRIPLE, QUADRUPLE valve R series

ED duty cycle = 100%

Approvals: ENEC, UL, GW

IP X0 (FASTON) - IP X0 (Faston)

IP 55 (CABLES)

Insulation class II

Coil insulation class F

Faston type 6,3 x 0,8

Legend:

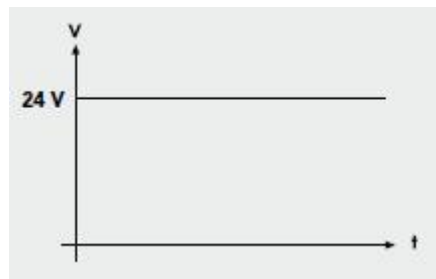
NC Solenoid normally closed

NA Solenoid normally open

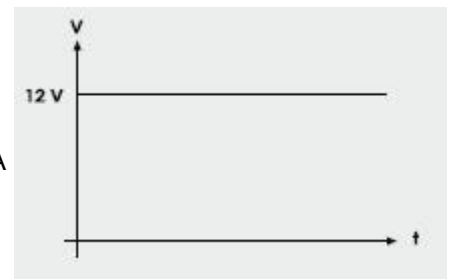
GW Glow Wire

## Low power solenoid control

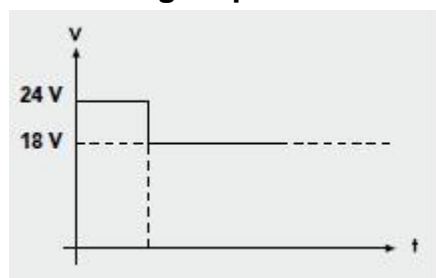
### Nominal voltage input



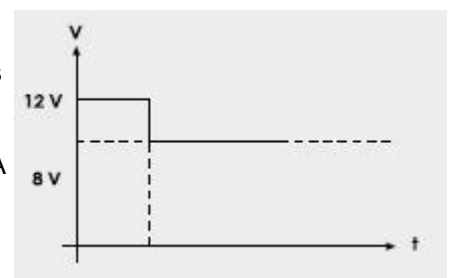
-- Timing pulse  
 -- Voltage pulse  
 24V Maintained voltage  
 134 Current consumption at  
 mA maintained voltage  
 3,2 W Power consumption at maintained  
 voltage  
 -- Temperature rise

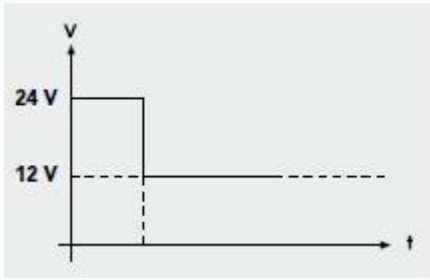


### Low voltage input

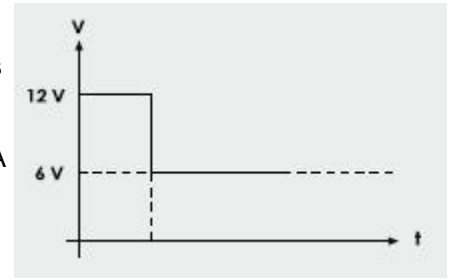


100 ms Timing pulse  
 24V Voltage pulse  
 18V Maintained voltage  
 103 mA Current consumption at  
 maintained voltage  
 1,85 W Power consumption at  
 maintained voltage  
 -- Temperature rise

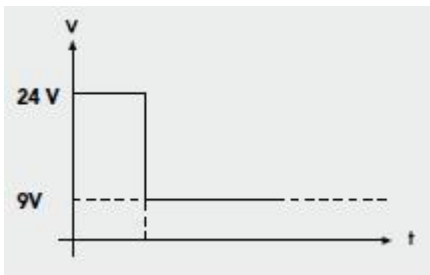




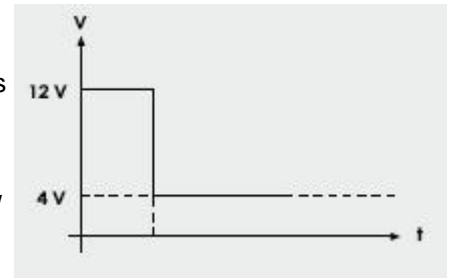
Timing pulse  
 100 ms Voltage pulse  
 24V Maintained voltage  
 12V Current consumption at  
 69 mA maintained voltage  
 0,84 W Power consumption at  
 maintained voltage  
 -- Temperature rise



100 ms  
 12V  
 6V  
 145 mA  
 0,87 W  
 10° C



Timing pulse  
 100 ms Voltage pulse  
 24V Maintained voltage  
 9V Current consumption at  
 51 mA maintained voltage  
 0,46 W Power consumption at  
 maintained voltage  
 -- Temperature rise



100 ms  
 12V  
 4V  
 95 mA  
 0,38 W  
 4° C

## Latching solenoid control

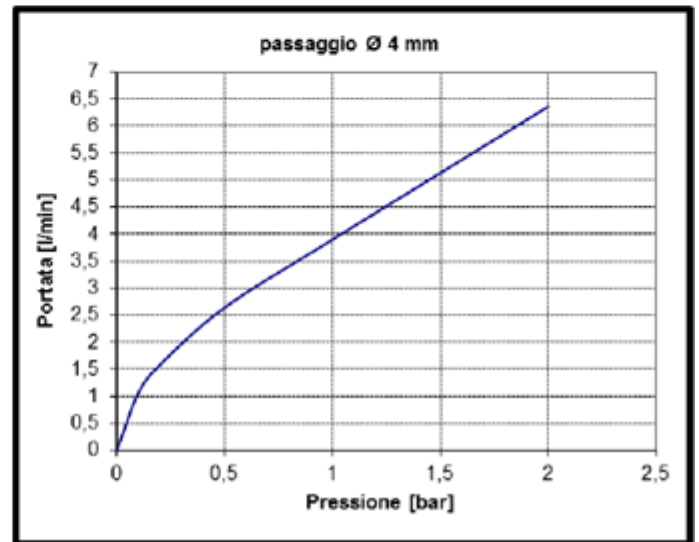
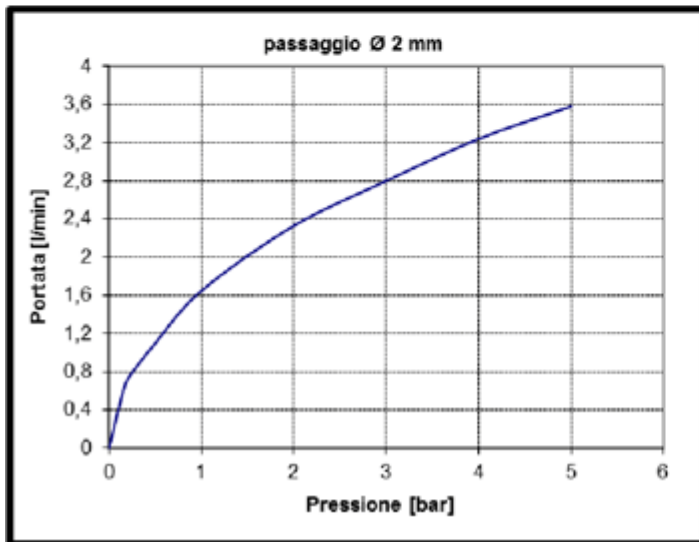
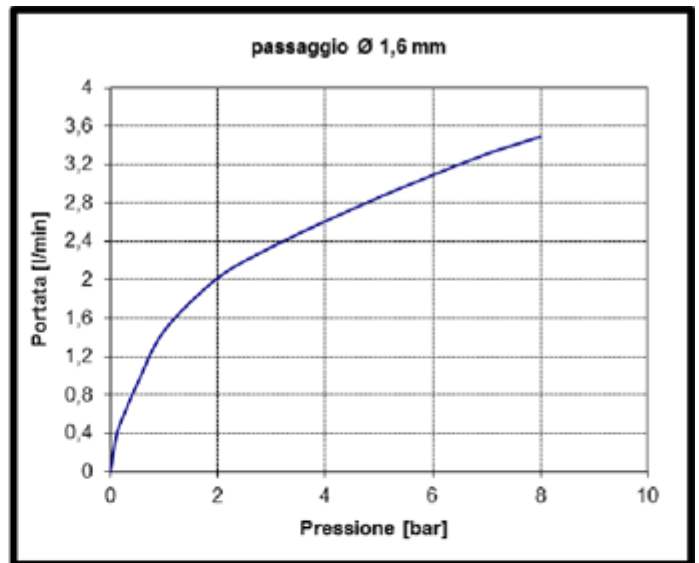
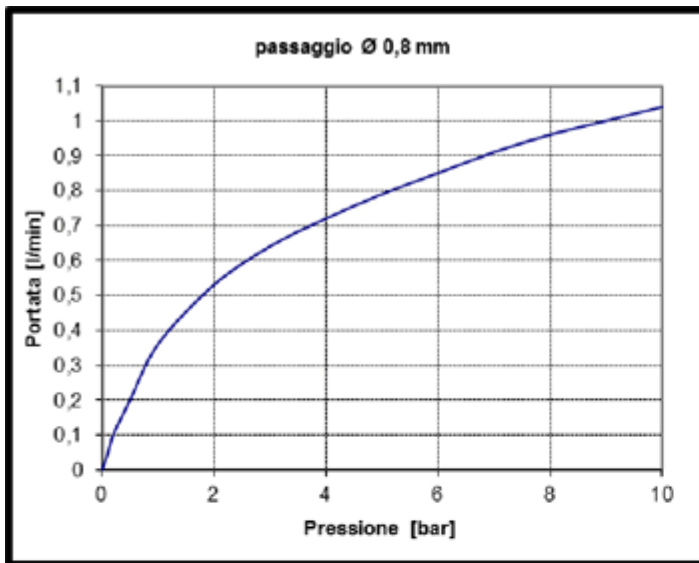
IMPULSO DI COMANDO SERIE R MINI BISTABILE CON CAVI/CONTROL IMPULSE R SERIES MINI LATCHING CABLES		
<b>APERTURA/OPEN</b>	<b>CHIUSURA/CLOSE</b>	<b>IMPULSI/IMPULSE</b>
<p style="text-align: right; font-size: small;">CAVO ROSSO / RED CABLE</p>	<p style="text-align: right; font-size: small;">CAVO ROSSO / RED CABLE</p>	<p style="text-align: center;"><b>APERTURA/OPEN</b></p> <p style="text-align: center;"><b>CHIUSURA/CLOSE</b></p>
IMPULSO DI COMANDO SERIE R MINI BISTABILE FASTON/CONTROL IMPULSE R SERIES MINI LATCHING FASTON		
<b>APERTURA/OPEN</b>	<b>CHIUSURA/CLOSE</b>	<b>IMPULSI/IMPULSE</b>
		<p style="text-align: center;"><b>APERTURA/OPEN</b></p> <p style="text-align: center;"><b>CHIUSURA/CLOSE</b></p>

## Direct acting solenoid control *Working pressure range R Direct solenoids*

	E9400000 230V	E9400000 24ac	E9400000 24ac E9400020 24dcGW	E9400020 12VGW E9400000 12V	E9400020 12VGW E9400000 12V	E9400000 12dc	E9400800 230V
<b>Tensione</b>	230 V ac	24 V ac	24 V dc	12 V ac-dc (ac)	12 V ac-dc (dc)	12V dc	220-240 V ac
<b>Frequenza</b>	50/60 Hz	50/60 Hz	=	50/60 Hz	=	=	50/60 Hz
<b>Assorbimento</b>	36.5 mA	302 mA	265 mA	365 mA	710mA	450 mA	55 mA
<b>Potenza</b>	8.39 VA	7,24 VA	6.35 W	4.38 VA	8.52 W	5.4 W	12,65 VA
<b>ED %</b>	ED 100%	ED 100%	ED 100%	ED 100%	ED 100%	ED 100%	3 on / 5 off
<b>Working Pressure Range</b>							
<b>Ø 0,8</b>	0 ÷ 10 bar	0 ÷ 10 bar	0 ÷ 10 bar	0 ÷ 10 bar	0 ÷ 10 bar	0 ÷ 10 bar	0 ÷ 10 bar
<b>Ø 1,6</b>	0 ÷ 4 bar	0 ÷ 4 bar	0 ÷ 2,5 bar	0 ÷ 2 bar	0 ÷ 4 bar	0 ÷ 3 bar	0 ÷ 8 bar
<b>Ø 2</b>	0 ÷ 2,5 bar	0 ÷ 2,5 bar	0 ÷ 2 bar	0 ÷ 1 bar	0 ÷ 2,5 bar	0 ÷ 1,5 bar	0 ÷ 5 bar
<b>E9400001</b>	230 V ac	24 V ac	24 V dc	12 V ac-dc (ac)	12 V ac-dc (dc)	12V dc	220-240 V ac
<b>Ø 4</b>	0 ÷ 0,8 bar	0 ÷ 0,8 bar	0 ÷ 0,5 bar	0 ÷ 0,5 bar	0 ÷ 0,8 bar	0 ÷ 0,5 bar	0 ÷ 1,6 bar

**Note: the Ø 4 mm orifice is not available for Normally Open (NO) valves**

## Working pressure range R Direct solenoids



Note: the Ø 4 mm orifice is not available for Normally Open (NO) valves