



# TWO WAY INTERNAL PILOT SOLENOID VALVES

CODICE ABBREVIATO SHORT CODE  
**L60.IP / L61.IP**  
**L62.IP / L63.IP**

## GENERAL DESCRIPTION / APPLICATIONS



Two way internal pilot solenoid valve.  
 Drived diaphragm or driven piston type.

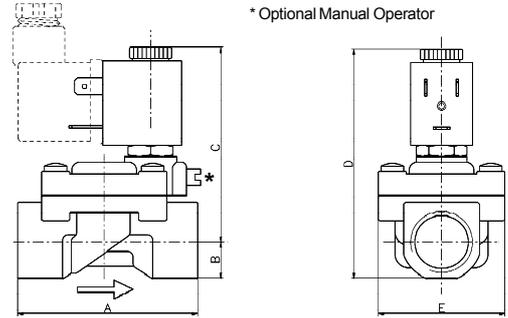
Suitable for gaseous and liquid media compatible with the (body/seals) material used.

Diaphragm seal type (L60/L61) for general purpose or piston type (L62/L63) used in heavy duty operation; high frequency duty cycle. Rulon piston is suitable for media not compatible with the standard elastomers.

Forged brass, nickel-plated brass or stainless steel body.

Stainless steel internal parts. Stainless steel springs. 360° degrees orientable solenoid. Mountable in any position.

## DIMENSIONS (in mm)



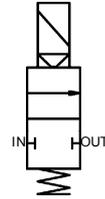
PORT SIZE	DIMENSIONS IN millimeters (mm)				
	A	B	C	D	E
3/8"	64	14	70	84	45
1/2"	64	14	70	84	45
3/4"	82	17	77	94	55
1"	100	20	91	111	70

## ELECTRICAL SPECIFICATIONS

Continuous duty glass-reinforced nylon moulded coil with electrical connection suitable for DIN-43650B plug (2 poles+ground) or "faston" wire terminal.

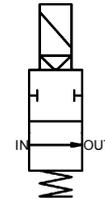
Coil type : B1  
 Insulation class: F (155°C) - H (180°C) upon request.  
 Winding wire class: H (180°C)  
 Protection class: Waterproof IP-65 (EN60529 standards) when properly plug connected with DIN-43650B plug.  
 Duty: Continuous (S.I.) 100% ED  
 Power consumption: Alternate Current 10VA (inrush 12VA)  
 Direct Current 8W  
 Voltage tolerance: ± 10%  
 Electrical Insulation: >500 MOhm  
 Dielectrical Strength: >1500 V/1'  
 Standard voltages: 12 - 24 - 48 - 110 - 220 Vac~ 50/60Hz  
 12 - 24 - 48 - 110 Vdc=  
 other voltages available upon request.

## OPERATION



### L60 / L62 - Normally closed

In: N  
 Out: OUT  
 Coil de-energized: IN and OUT closed.  
 Coil energized: from IN to OUT.



### L61 / L63 - Normally open

In: N  
 Out: OUT  
 Coil de-energized: from IN to OUT.  
 Coil energized: IN and OUT closed.

## SPECIFICATIONS AND AVAILABLE OPTIONS

MODEL (Diaphragm seal) <i>Replace with L61 for N.O. model</i>	ORIFICE DIAMETER mm	PRESSURES IN BAR								Flow factor kv (liters/min.')	WEIGHT Kg.
		BODY RATING	MIN./MAX. OPERATING DIFFERENTIAL PRESSURE								
			MIN.	MAX. NORM. CLOSED		MAX. NORM. OPEN					
L 6 0	12,7	25	0,2	12	10	10	5	35	0,5		
L 6 0	12,7	25	0,2	12	10	10	5	40	0,5		
L 6 0	18	25	0,2	10	10	10	5	87	0,7		
L 6 0	25	25	0,2	10	10	10	5	170	1,3		
<b>(Piston seal)</b> <i>Replace with L63 for N.O. model</i>											
L 6 2	12,7	25	0,2	12	10	10	5	35	0,5		
L 6 2	12,7	25	0,2	12	10	10	5	40	0,5		
L 6 2	18	25	0,2	10	10	10	5	87	0,7		
L 6 2	25	25	0,2	10	10	10	5	170	1,3		

a	b	c	d	e
<b>Body material</b> T Ottone. N Ottone nichelato.	<b>Port size</b> E 3/8" GAS T 3/8" NPT F 1/2" GAS G 1/2" NPT H 3/4" GAS I 3/4" NPT L 1" GAS M 1" NPT	<b>Seals</b> 0 Buna N 1 FPM 3 PTFE * 6 EPDM * Available for piston type models only.	<b>Protection class</b> P IP 65 when properly plug connected with DIN-43650B plug.	<b>Optional features</b> X Stable manual operator. Option available only for NC models.

Rev. W1 - ENG 2009

Le caratteristiche possono subire variazioni senza preavviso / Characteristics may change without notice.