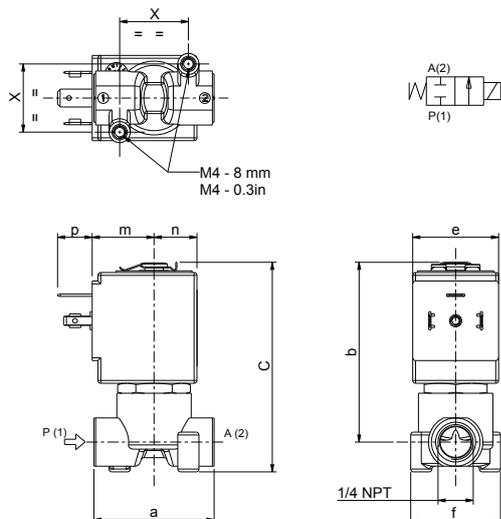


ASCO™ SOLENOID VALVE

2/2 NORMALLY CLOSED – DIRECT ACTING - 1/4 NPT

SERIES
L121-NPT



	a	b	c	e	f	m	n	p	x
in	1.65	2.57	2.98	1.18	1.26	0.85	0.78	0.47	0.94
mm	42	65.2	75.7	30	32	21.6	19.9	12	24

General Features

Direct acting solenoid valve.

Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with materials in contact).

Not suitable for use with dangerous fluids listed in Group 1, therefore they are free from CE marking in conformity with article 3 § 3 of the European Directive 97/23/EC (Pressure Equipment Directive).

Technical Features

Maximum allowable pressure (PS)	580 psi
Opening time	~20 ms
Closing time	~20 ms
Fluid temperature	+14°F +194°F (NBR) +32°F +266°F (FPM)
Max viscosity	~3.98 x 10 ⁻⁴ ft ² /sec (~37 cStokes or mm ² /s, 5°E)

Materials in Contact with Fluid

Body	Brass
Sealing	FPM or NBR
Internal components	Stainless steel
Seat	Brass
Guide assembly	Stainless steel
Shading ring	Copper

Coil

Continuous duty	ED 100%	
Coil impregnation	Polyester resin	
Encapsulation material	PPS (Polyphenylsulfure) fibreglass reinforced	
Coil insulation class	F (311°F) – on request class H (356°F) – UL (see ZA34)	
Ambient temperature	+14°F +122°F	
Electric connections	DIN 46340 - 3 poles connectors (EN175301-803)	
Protection degree	IP 67 (EN 60529) with plug connector	
Voltages	DC	12-24V (+10% -5%)
	AC	24V/50Hz - 110V/50Hz (120V/60Hz) - 230V/50Hz (+10% -15%) (Other voltages and frequencies on request)

Port size NPT	Orifice size (ins)	Δp min	Differential pressure (psi)				Cv (GPM)	Series and type		Power absorption			Sealings	Notes	Weight (lbs)	
			Δp max					Valve	Coil	AC (VA)		DC (W)				
			Gases		Liquids					Inrush	Holding					
1/4	1/16	0	435	435	435	435	0,105	L121B03	ZA10A	23	14	9	NBR	-	0.64	
								L121V03					FPM			
	L121B03		NBR													
	L121V03		FPM													
	L121B03		NBR													
	L121V03		FPM													
	3/32		290	232	290	232		0,175	L121B03	ZA10G	-	-	12			NBR
									L121V03							FPM
	1/8		174	58	174	58		0,350	L121B03	ZA10A	23	14	9			NBR
									L121V03							FPM
11/64	87	29	87	29	0,468	L121B03	ZA10G	-	-	12	NBR					
						L121V03					FPM					

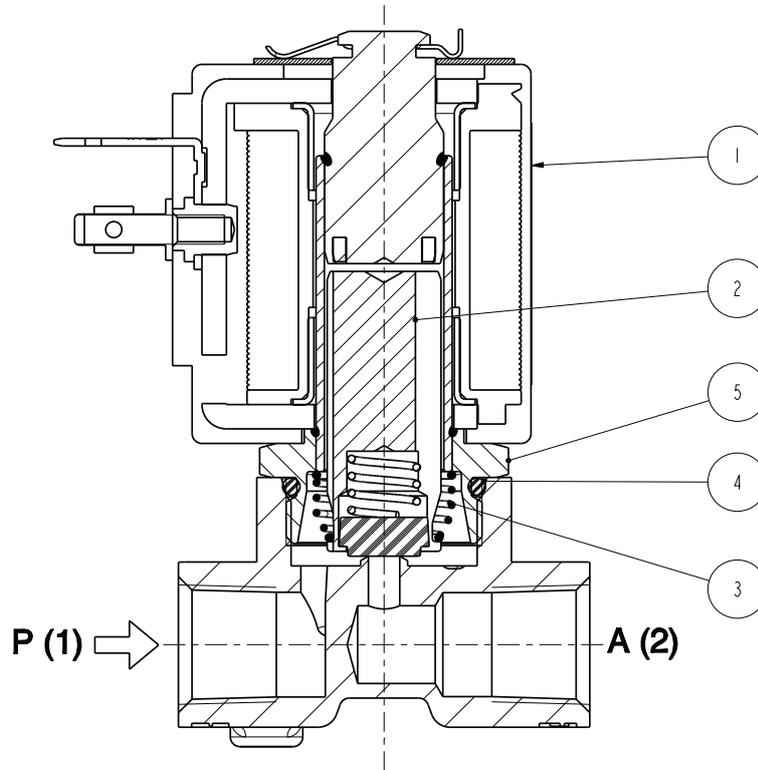
Notes

- Sealings : FPM = Fluoro-carbon elastomer NBR = Nitril-butylene elastomer
- IMQ CSV approval, see ZA10 datasheet for further details

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Spare Parts



Kit description	Model	Kit P.N.	Consisting of:
Core kit	L121B03	G3022804	Core with core return spring pos. 2 OR guide assembly pos. 4
	L121V03	G3022803	
Core return spring kit		G3022401	N.10 core return spring pos.3
OR guide assembly kit	L121B03	GU2421000017	N.10 OR guide assembly pos.4
	L121V03	GU2424000017	
Guide pipe assembly kit		G31486	Guide assembly pos.5 Coil clip
Coil		ZA10A ZA10G	Coil pos.1

Installation

- Solenoid valve can be mounted in any position; vertical with coil upwards preferred.

THE VALIDITY OF REPORTED DATA IS REFERRED TO THE DATE OF ISSUE. POSSIBLE UPDATES ARE AVAILABLE ON REQUEST