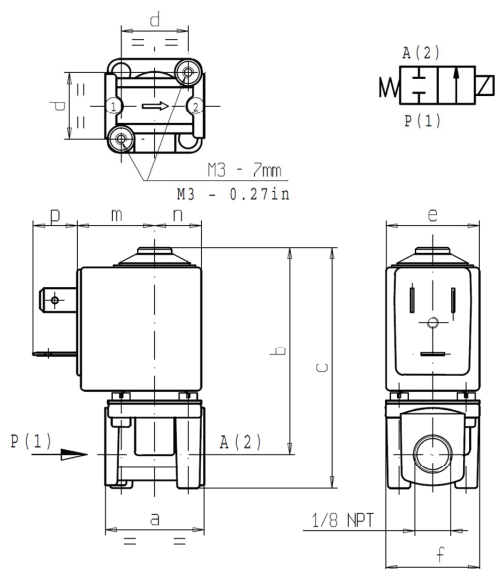


ASCO™ SOLENOID VALVE

2/2 NORMALLY CLOSED – DIRECT ACTING - 1/8 NPT

SERIES
L177-NPT



NPT		a	b	c	d	e	f	m	n	p
1/8	in	1.06	2.16	2.52	0.71	0.98	0.98	0.83	0.49	0.47
	mm	27	55	64	18	25	25	21	12,5	12

General Features

Direct acting solenoid valve.

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

Technical Features	
Maximum allowable pressure (PS)	435 psi
Opening time	~10 ÷ ~20ms
Closing time	~10 ÷ ~20ms
Fluid temperature	+14°F +194°F (NBR) +32°F +266°F (FPM) +14°F +284°F (EPDM)
Max viscosity	~3.98 x 10 ⁻⁴ ft ² /sec (~37 cStokes or mm ² /s, 5°C)

Materials in Contact with Fluid	
Body	Brass
Sealing	NBR or FPM or EPDM
Internal components	Stainless steel
Seat	Brass
Guide assembly	Stainless steel
Shading ring	Copper

Coil			
Continuous duty	ED 100%		
Encapsulation material	PET (polyethylene terephthalate) fiberglass reinforced		
Insulation class	F (311°F) on request class H (356°F) - UL		
Ambient temperature	+14°F +140°F		
Electric connections	DIN 46340 - 3 poles connectors		
Protection degree	IP 65 (EN 60529) with plug connector		
Voltages	DC	12-24V (+10% -5%)	
	AC	24V-110V(120V/60Hz)-230V/50-60Hz (+10% -15%)	
		(Other voltages and frequencies on request)	

Port size NPT (ins)	Orifice size (ins)	Differential pressure (bar)					Cv (GPM)	Series and type		Power absorption			Sealings	Notes	Weight (lbs)
		Δp min	Δp max							AC (VA)		DC (W)			
			Gases		Liquids			Valve	Coil	Inrush	Holding				
			AC	DC	AC	DC									
1/8	1/16	0	435	290	435	290	0.1	L177B05	Z610A	16	10	6	NBR	1	0,370
							L177V05	FPM					1		
	3/32		190	90	175	70	0.16	L177B05					NBR	1	
								L177D05					EPDM	1-2	
								L177V05					FPM	2	
	1/8		100	20	90	20	0.29	L177B05					NBR	2	
								L177V05					FPM	2	

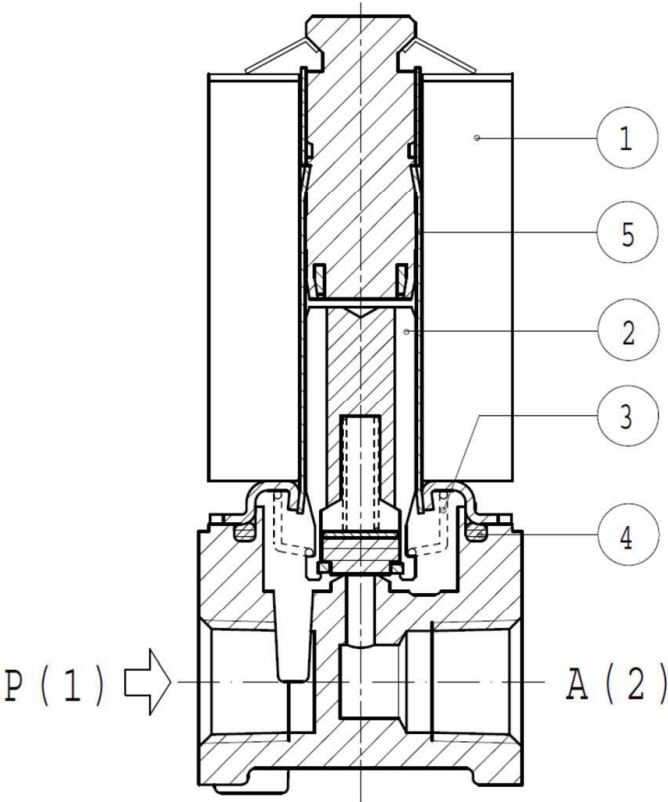
Notes

- Sealings : NBR = Nitrile-butylene elastomer FPM = Fluoro-carbon elastomer EPDM = Ethylene-propylene elastomer
- 1 - Seal EPDM on request
- 2 - Coil: SEV-ASE approval as per file 04.0833.

SERIES
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Spare Parts



Kit description	Model	Kit P.N.	Consisting of:
Core kit	L177B05	G2878601	Core pos. 2 OR guide assembly pos. 4
	L177D05	G2878602	
	L177V05	G2878603	
Core return spring kit		G2884401	N.10 core return spring pos. 3
Guide pipe assembly		2593201R	Guide pipe assembly pos. 5
Coil		Z610A	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