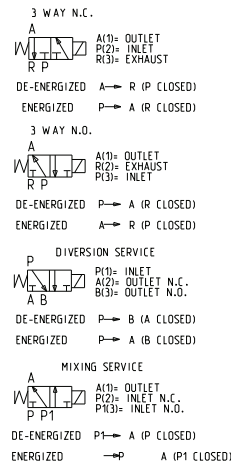
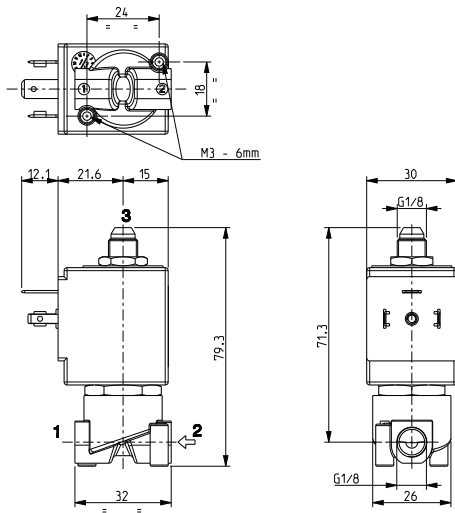


# ASCO™ SOLENOID VALVE

## 3/2 NORMALLY CLOSED (UNIVERSAL) – DIRECT ACTING - G 1/8

**SERIES**  
**L320**



### General Features

Direct acting solenoid valve.  
Suitable to shut off liquid and gaseous fluids; particularly suitable to shut off overheated water and steam (verify the compatibility of fluid with the material in contact).

### Technical Features

Maximum allowable pressure (PS)	40 bar
Opening time	~20ms
Closing time	~20ms
Fluid temperature	0°C +130°C
Max viscosity	5°E (~37 cStokes or mm <sup>2</sup> /s)

### Approvals

UL (Class F) approval – for UL cl.H: ZA34 (E153691)  
IMQ CSV approval, see ZA10 data sheet for further details  
Compliant with MD 174/2004 and Reg. CE 1935/2004  
NSF certified – only for L320V01C



### Materials in Contact with Fluid

Body	Brass
Sealing	FPM
Internal components	Stainless steel
Seat	Stainless steel
Guide assembly	Stainless steel
Shading coil	Copper

### Coil

Continuous duty	ED 100%	
Encapsulation material	PPS (Polyphenylsulfure) fiberglass reinforced	
Insulation class	F (155°C) on request class H (180°C)	
Ambient temperature	-10°C +50°C	
Electric connections	DIN 46340 - 3 poles connectors (EN175301-803)	
Protection degree	IP 67 (EN 60529) with plug connector	
Voltages	DC	<b>ZA10G:</b> 12-24V (+10% -5%)
	AC	<b>ZA10A:</b> 24V/50Hz - 110V/50Hz (120V/60Hz) - 230V/50Hz (+10% -15%) (Other voltages and frequencies on request)

Port size ISO 228	Orifice size (mm)	Differential pressure (bar)	Kv (m <sup>3</sup> /h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)		
				Valve	Coil	AC (VA)		DC (W)					
						Inrush	Holding						
G 1/8	1,6	0	0,08	L320V01C	ZA10A	23	14	-	FPM	1-2-3	0,240		
						-	-	12					
	2,3					L320V01G	ZA10A	23				14	-
								-				-	12

### Notes

- Sealings: FPM = Fluoro-carbon elastomer
- NC: Normally closed NO: Normally open U: Universal
- 1 - Upper exhaust (3) with seat diameter 2,3 mm.
- 2 - Only for use with steam, consider following values: PS<sub>max</sub> 2,8 bar (max fluid temperature 130°).
- 3 - On request special coils ZA10X or ZA10B, class "F", with UL homologated windings – see overleaf.

**SERIES**  
**L320**

**ASCO™ SOLENOID VALVE**  
**3/2 NORMALLY CLOSED (UNIVERSAL) – DIRECT ACTING - G 1/8**

Coil for Special Voltages ZA10X – ZA10B	
Approval	UL (class F) see voltages
Continuous duty	ED 100%
Encapsulation material	PPS (Polyphenilsulfure) fiberglass reinforced
Coil insulation class	F (155°C)
Ambient temperature	-10°C +50°C

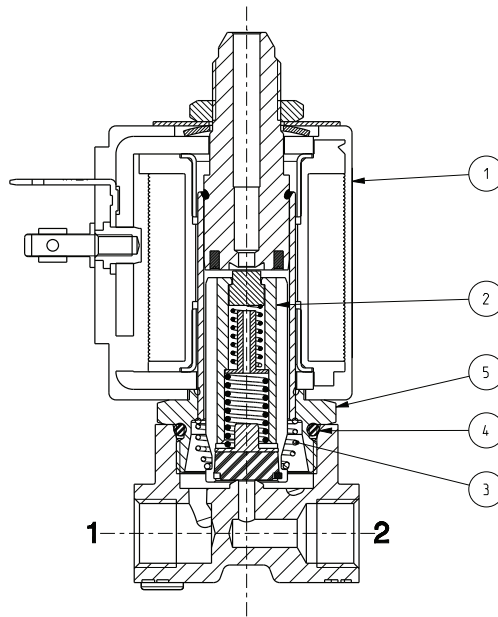
Electric connections	DIN 46340 - 3 poles connectors (EN175301-803)	
Protection degree	IP 67 (EN 60529) with plug connector	
Voltages	DC	<b>ZA10B:</b> 24V (UL)
	AC	<b>ZA10X:</b> 24V/50-60Hz (UL) • 100V/50-60Hz 115-120V/60Hz • 200V/50-60Hz 220-230V/50Hz • 208-240V/60Hz (UL) 220-240V/50Hz (UL) • (+10% -15%)

Port size ISO 228	Orifice size (mm)	Δp min	Differential pressure (bar)				Kv (m³/h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)
			Δp max					Valve	Coil	AC (VA)		DC (W)			
			Gases		Liquids					Inrush	Holding				
G 1/8	1,6	0	AC	DC	AC	DC	<b>L320V01C</b>	<b>ZA10X</b>	23	14	-	FPM	1-2	0,250	
			-	13	-	13		<b>ZA10B</b>	-	-	10				
	AC		DC	AC	DC	<b>L320V01G</b>	<b>ZA10X</b>	23	14	-					
	-		5	-	5		<b>ZA10B</b>	-	-	10					

**Notes**

- Sealings: FPM = Fluoro-carbon elastomer
- NC: Normally closed NO: Normally open U: Universal
- 1 - Upper exhaust (3) with seat diameter 2,3 mm
- 2 - Only for use with steam, consider following values: P<sub>Smax</sub> 2,8 bar (max fluid temperature 130°C).

**Spare Parts**



Kit description	Model	Kit P.N.	Consisting of:
Core kit	L320V01C	G3027803	Core pos. 2 Core return spring pos. 3 OR guide assembly pos. 4
	L320V01G	G3065101	
Core return spring kit	L320V01C	G515420001	N.10 core return spring pos. 3
	L320V01G	G515417001	
OR guide assembly kit		GU2424000017	N.10 OR guide assembly pos. 4
Guide assembly		297779-001R	Guide assembly pos. 5
Coil		ZA10A ZA10G ZA10X ZA10B	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