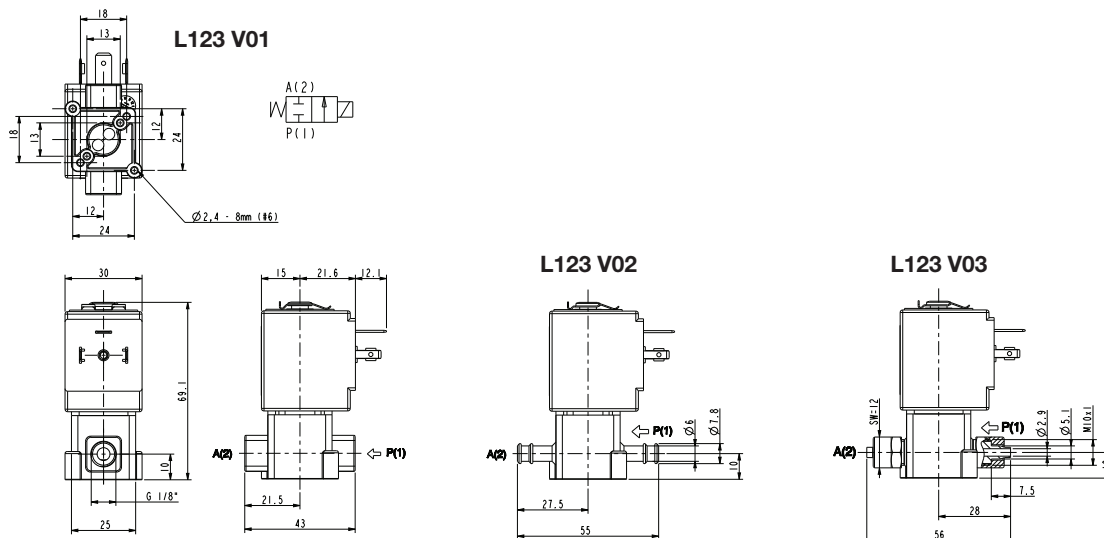


# ASCO™ SOLENOID VALVE

## 2/2 NORMALLY CLOSED – DIRECT ACTING - G1/8 - BARBED PORTS

**SERIES**  
**L123**



### General Features

Direct acting solenoid valve.  
Suitable to shut off liquid and gaseous fluids; suitable for low pressure steam and applications in sterilising autoclaves (verify the compatibility of fluid with materials in contact).

### Technical Features

Maximum allowable pressure (PS)	10 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



### Materials in Contact with Fluid

Body	PPS
Sealing	FPM
Internal components	Stainless steel
Seat	PPS
Guide assembly	Stainless steel
Shading ring	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	12-24V (+10% -5%)
	AC	24V/50Hz - 110V/50Hz (120V/60Hz) - 230V/50Hz (+10% -15%)
		(Other voltages and frequencies on request)

Port size G=ISO 228	Orifice size (mm)	Differential pressure (bar)				Kv (m <sup>3</sup> /h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)								
		Δp min	Δp max				Valve	Coil	AC (VA)		DC (W)											
			AC	DC	AC				DC	Inrush					Holding							
G 1/8	1,6	0	10	10	10	10	L123V01	ZA10A	23	14	9	FPM	1 - 2 - 3	0,210								
	2,3		10	10	10	10																
	3,2		10	4	10	4																
Barbed ports	1,6		10	10	10	10	L123V02		ZA10A	23	14				9	FPM	2 - 3	0,210				
	2,3		10	10	10	10																
	3,2		10	4	10	4																
Barbed ports with ring nut	1,6		10	10	10	10	L123V03			ZA10A	23				14				9	FPM	2 - 3 - 4	0,210
	2,3		10	10	10	10																
	3,2		10	4	10	4																

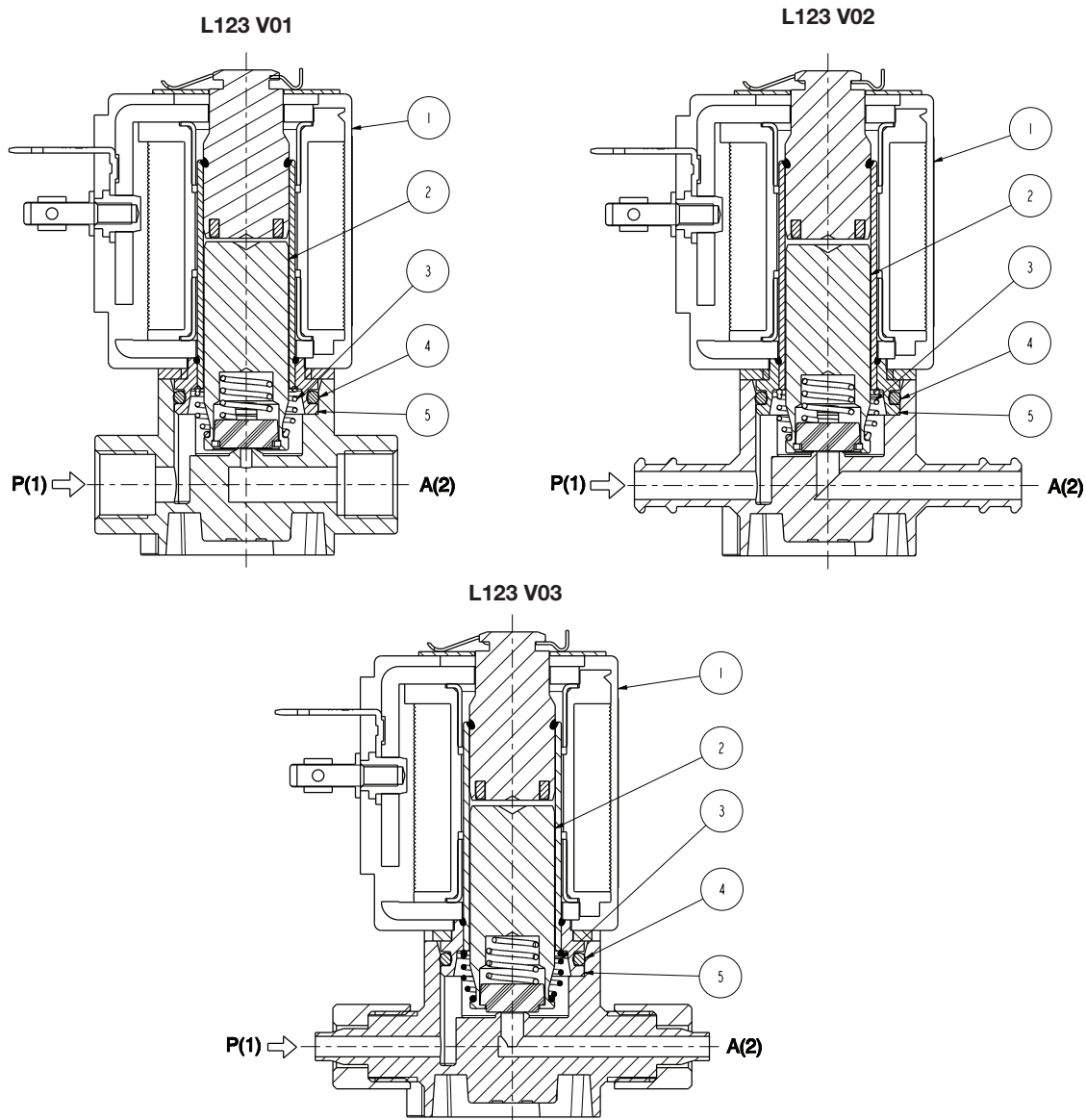
### Notes

- Sealings: FPM = Fluoro-carbon elastomer
- 1 - Maximum driving torque of the pipe fittings for thread connections = 2Nm
- 2 - Only for use with steam, consider following values: PSmax 2,8 bar (max fluid temperature 130°)
- 3 - The pressure values shown in the table refer to the potential of the valve: they can be lower depending on the connection system used
- 4 - Maximum driving torque of ring nut 1,2Nm

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**Spare Parts**



Kit description	Kit P.N.	Consisting of:
Core kit	G3139401	Core pos. 2
Core return spring kit	G3022401	N.10 core return spring pos. 3
O-Ring guide assembly kit	GU2428000017	N.10 O-Ring guide assembly pos. 4
Guide assembly kit	G31487	Guide assembly pos. 5 Coil clip
Coil	ZA10A	Coil pos.1

**Installation**

- Solenoid valve can be mounted in any position; vertical with coil upwards preferred.
- When using any sealant for fittings, please check its chemical compatibility with body material (PPS).
- In case of disassembling for usual maintenance, the fixing screws of the guide assembly have to be tightened with 0,6±0,7 Nm torque.

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