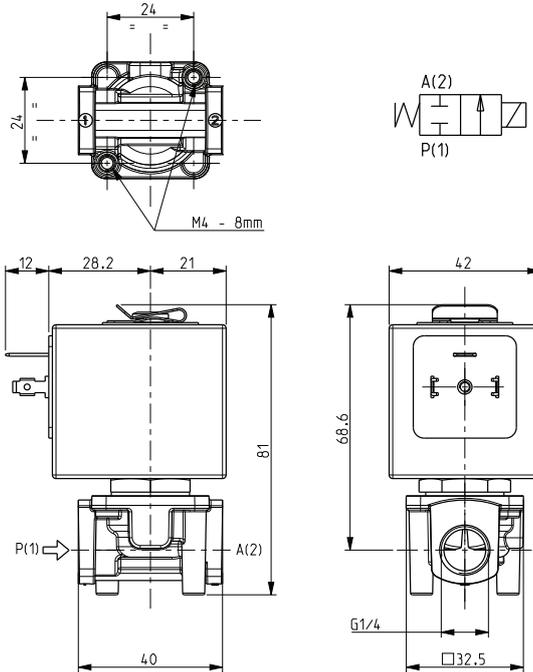


ASCO™ SOLENOID VALVE

2/2 NORMALLY CLOSED – DIRECT ACTING - G1/4

SERIES
L159



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 materials in contact).

Technical Features	
Maximum allowable pressure (PS)	40 bar
Opening time	~30ms
Closing time	~30ms
Fluid temperature	-10°C +170°C
Max viscosity	5°E (~37 cStokes or mm ² /s)

Materials in Contact with Fluid	
Body	Brass
Sealing	Ruby
Internal components	Stainless steel
Seat	Stainless steel
Core tube	Stainless steel
Shading coil	Copper

Coil		
Continuous duty	ED 100%	
Encapsulation material	PET (polyethylene terephthalate) fiberglass reinforced	
Insulation class	H (165°C) - UL	
Ambient temperature	-10°C +80°C	
Electric connections	DIN 46340 - 3 poles plug connector (EN175301-803)	
Protection degree	IP 65 (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 ISO 228	Orifice size (mm)	Differential pressure (bar)	Differential pressure (bar)				Kv (m ³ /h)	Series and type		Power absorption			Sealings	Notes	Weight (kg)
			Ap max					Valve	Coil	AC (VA)		DC (W)			
			Gases		Liquids					Inrush	Holding				
G 1/4	3	0	AC	DC	AC	DC	L159C05	Z134A	44	24	13	RUBY	1-2	0,500	
	4,5		30	17	30	17									0,25
			12	4	12	4									

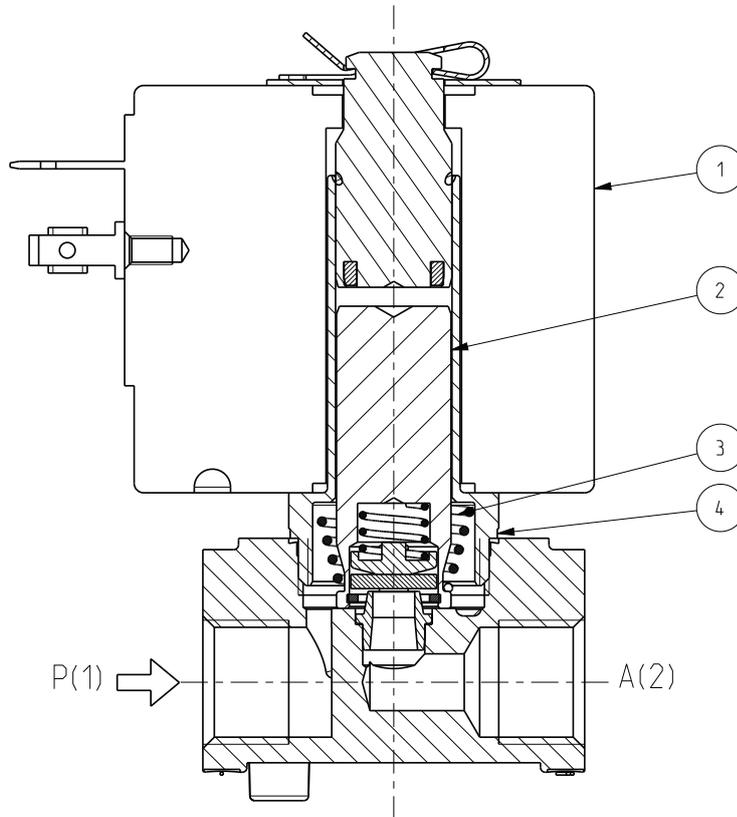
Notes

- Sealings : RUBY = Synthetic corundum
- The use of rigid sealings with gaseous fluids implies a slight leakage, generally limited within 2 scc/min. at 1 bar pressure
- 1 - Only for use with steam, consider following values: max pressure 8 bar (max temperature of fluid 170°).
- 2 - On request coil type Z130A (PET Polyethylene terephthalate) class "F" (+140°C), maximum ambient temperature +60°C.

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Spare Parts



Kit description	Kit P.N.	Consisting of:
Core kit	G2877401	Core (with core return spring) pos. 2
Core return spring kit	G2866801	N.10 core return spring pos. 3
Guide assembly kit	G31527	Guide assembly pos. 4 Coil clip
Coil	Z134A	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