

SOLENOID VALVE



Introduction

The Lubi LSV series of Solenoid Valve is an electro mechanical device used to control the flow of air into and out of the actuator using an electrically operated control system. They are used to operate the actuators & thus open / close the valve based on the requirement using an electrical signal managed from a computer-controlled system.

Specifications

Model	SV A 1 01 □ □ □
Fluid	Air (filtered through 40 µm filter element)
Acting	Internal Piloted
Port Size	In / Out : 1/4"
Orifice Size	25.0 mm ² (Cv = 1.40)
Valve Type	5 / 2 : 5 Port – 2 Position
Operating Pressure	0.15 ~ 0.8 MPa (21 ~ 114 psi)
Proof Pressure	1.5 MPa (215 psi)
Temperature	- 20 ~ 70 °C
Body Material	Aluminium Alloy
Lubrication	Not Required
Maximum Frequency	4 cycle / sec
Weight	310 g

Note :

- 1.The maximum actuation frequency is in no load state.
- 2.Once Lubricated air is used, continue with same medium to optimize life span.

Coil Specifications

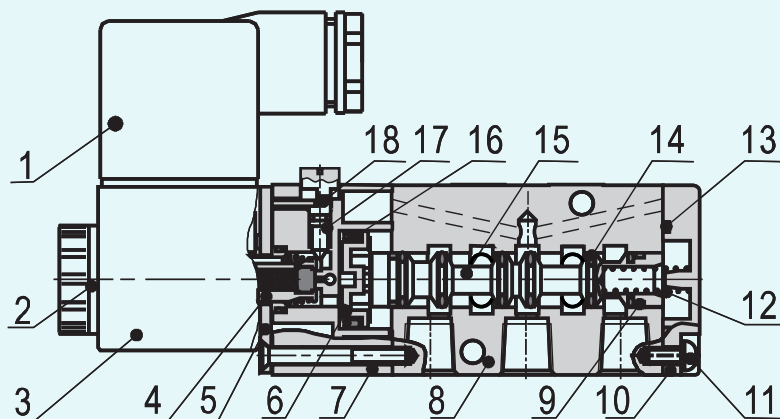
Standard Voltage	AC 220 V / DC 24 V
Scope of Voltage	AC : ± 15% / DC : ± 10%
Power Consumption	AC : 3.5 VA / DC : 3.0 W
IP Rating	IP 65
Temperature Class	Class B
Electrical Entry	Terminal
Activating Time	0.05 sec or less

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Inner Structure Diagram

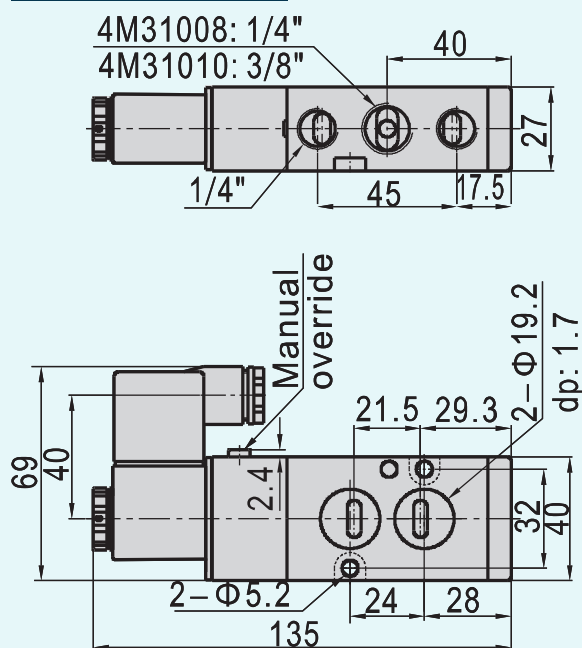
Single solenoid



No.	Item	No.	Item
1	Connector	10	Bottom cover
2	Coil net	11	Fixed screw
3	Coil	12	Spool spring
4	Armature	13	Bottom cover gasket
5	Fixed plate	14	Spool O-ring
6	Piston	15	Spool
7	Pilot kit	16	Piston O-ring
8	Body	17	Override spring
9	Wear ring	18	Manual override

Dimension

4M310(Terminal)



Ordering Key

S V A 1 0 1 B A T

- T – Terminal (Electrical Entry)
- A – AC 220 V (Voltage)
- B – DC 24 V
- B – BSPT (Port Thread Type)
- 01 – 1/4\" (Port Size)
- 1 – Single Solenoid (Valve Type)
- A – 5/2 way : 5 Port 2 Position (Port Type)
- Lubi Solenoid Valve (Model)

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Product Improvement is a continuous process at 'LUBI'. The data given in this publication is therefore subject to revision.

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