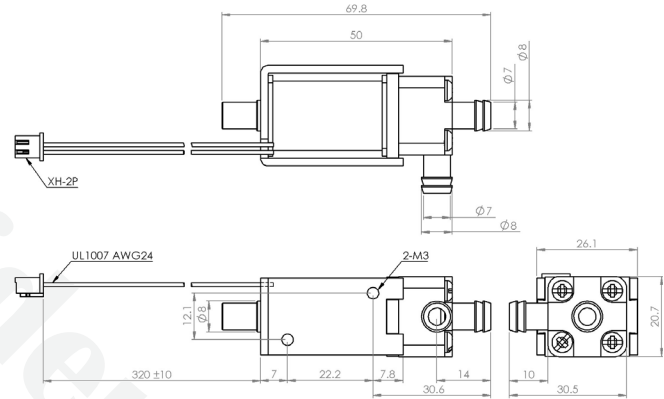
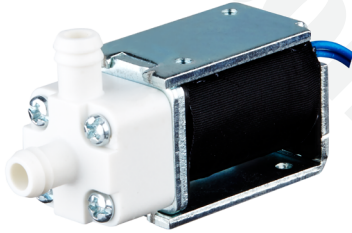


Solenoid Valve

KSV3WJ Series KSV3WJ



Concept

A solenoid valve is an electromechanical controlled valve. The valve features a solenoid, which is an electric coil with a movable ferromagnetic core in its center. This core is called the plunger. In rest position, the plunger with a rubber gasket on the bottom closes off a small orifice. Thus, a small spring holds the plunger down to close the valve. An electric current through the coil creates a magnetic field. The magnetic field exerts a force on the plunger. As a result, the plunger is pulled toward the center of the coil so that the orifice opens.

When the solenoid is not powered, the magnetic field disappears, making the spring goes back up and the orifice will be closed.

Features

- ▶ Small volume
- ▶ Low noise
- ▶ Low energy consumption
- ▶ Low air leakage
- ▶ High stability

Application

- ▶ Medical Instruments
- ▶ Medical Consumer Devices
- ▶ Combustion Analyzers
- ▶ Portable Gas Detection
- ▶ Patient Monitoring

Model Key

Product	KOGE	Solenoid	Category	Type	SeriesA-Z	Voltage	Series	Output
Valve	K	S	V	3W	J	12	A	KSV3WJ-12A

Specifications

Part Number	KSV3WJ	
Voltage	DC 12V	DC 24V
Operating Voltage	DC10.8~13.2V	DC21.6V ~ 26.5V
Max. Pressure	450mmHg	450mmHg
Max. Current	225mA	120mA
Type	3 way x 1 type	3 way x 1 type
DC Resistance	53Ω±10%	200Ω±10%
Life	500,000 cycles	500,000 cycles
Testing Cycle	On 0.5s;Off 5s	On 0.5s;Off 5s
Exhaust Speed	<4.0s@DC12.0V, 450mmHg to 20mmHg at a 1500cc tank	<4.0s@ DC24.0V, 450mmHg to 20mmHg at a 1500cc tank

Materials

Metal nozzle	Steel
Plastic nozzle	PC
Washer	Rubber