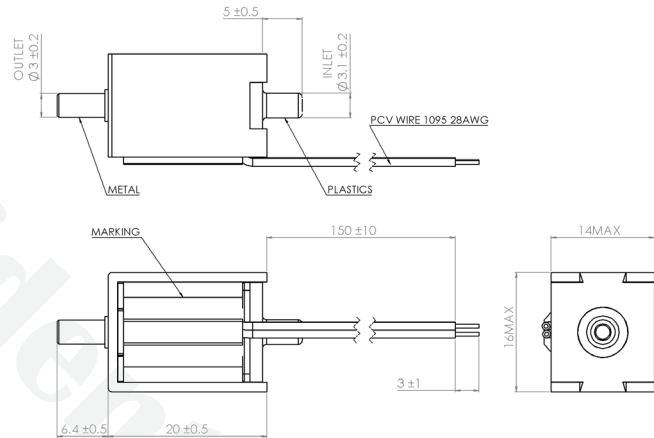


Solenoid Valve

KSV2W Series KSV2WA



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

- ▶ Compact size
- ▶ Low power consumption
- ▶ Low air leakage
- ▶ High stability
- ▶ Quick response

Application

- ▶ Blood pressure devices
- ▶ Medical Instruments
- ▶ Portable Gas Detection
- ▶ Industrial use
- ▶ Patient monitor

Model Key

Product	KOGE	Solenoid	Category	Type	Series A-Z	Voltage	Series	Output
Valve	K	S	V	2W	A	3	A	KSV2WA-3A

Specifications

Part Number	KSV2WA				
	DC 3V	DC 6V	DC 12V	DC 24V	DC 32V
Operating Voltage	DC 2.7~3.3V	DC 5.5V ~ 6.5V	DC 10.5V ~ 13.2V	DC 21.6V ~ 26.4V	DC 28.8V ~ 35.2V
Max. Pressure	350mmHg	350mmHg	350mmHg	350mmHg	350mmHg
Rated Current	375mA	375mA	400mA	200mA	110mA
Type	Normally Closed	Normally Closed	Normally Closed	Normally Closed	Normally Closed
DC Resistance	8Ω±10%	16Ω±10%	30Ω±10%	120Ω±10%	293Ω±10%
Life	30,000 cycles	30,000 cycles	30,000 cycles	30,000 cycles	30,000 cycles
Testing Cycle	On 1s;Off 5s	On 1s;Off 5s	On 1s;Off 5s	On 7s;Off 5s	On 1s;Off 5s
Exhaust Speed	<5.0s, @ DC3.0V from 300mmHg to 15mmHg with a 500cc tank	<4.0s, @ DC6.0V from 300mmHg to 15mmHg with a 500cc tank	<4.0s, @ DC12.0V from 300mmHg to 15mmHg with a 500cc tank	<4.5s@ DC24.0V, from 300mmHg to 15mmHg with a 500cc tank	<2.25s@ DC32.0V, from 300mmHg to 15mmHg with a 500cc tank

Materials

Metal nozzle	Steel
Plastic nozzle	PBT
Washer	Rubber

Similar Products

	3V	6V	12V	24V	32V
KSV2WG	X	X	•	•	X
KSV2WM	•	X	X	X	X