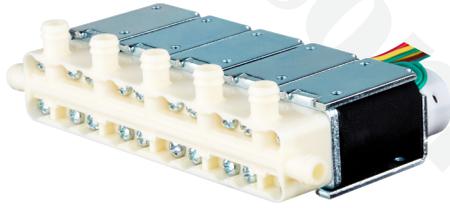


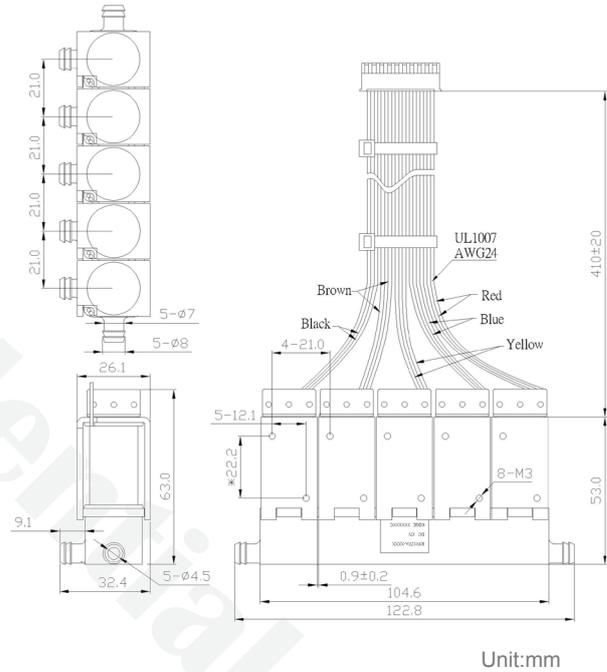
Solenoid Valve KSV12W Series KSV12WA



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

- ▶ Low noise
- ▶ Low energy consumption
- ▶ Low air leakage
- ▶ High stability
- ▶ High exhaust speed
- ▶ High flow

Application

- ▶ Medical instruments
- ▶ Medical consumer devices
- ▶ Office application
- ▶ Massage machine

Model Key

Product	KOGE	Solenoid	Category	Type	SeriesA-Z	Voltage	Series	Output
Valve	K	S	V	12W	A	12	A	KSV12WA-12A

Specifications

Part Number	KSV12WA	
Voltage	DC 12V	DC 24V
Operating Voltage	DC10.8 ~ 13.2V	DC 21.6V ~ 26.5V
Max. Pressure	450mmHg	450mmHg
Max. Current	1125mA	600mA
Type	3 way x5 type	3 way x5 type
DC Resistance	53±10%Ω	200±10%Ω
Life	500,000 cycles	500,000 cycles
Testing Cycle	On 0.5s;Off 5s	On 0.5s;Off 5s
Exhaust Speed	<4.0s (from 450mmHg to 20mmHg @1500cc tank)	<4.0s (from 450mmHg to 20mmHg @1500cc tank)

Materials

Metal nozzle	Steel
Plastic nozzle	PBT
Washer	Rubber

Similar Products

	12V	24V
KSV10WA	•	•
KSV10WC	•	•

KOGE reserves the right to make technical changes without notice.