产品标题：As 2542 Flow liquid control solenoid valve **For Medical Device**

产品短描述：Working Principle of Liquid Control Solenoid Valve

Solenoid valve is converted electric energy into mechanical energy. The main purpose of liquid control solenoid valve is to regulate the movement of liquid and eradicate the need for an engineer to manually control the valve, which will save the application both time and money.

This liquid solenoid valve consists of two parts: a solenoid and the valve. The valve system is made up of two or more orifices/openings, whereas, the solenoid is home to several important parts, including a coil, sleeve assembly and plunger.

This solenoid valve works by current through solenoid copper coil to open or close the valve orifice. When the coil within the solenoid is power on, the plunger is lifted or lowered to open or close the orifice. This is what in turn controls flow, regulating the movement of liquid.

产品详情描述：

As 2542 Flow liquid control solenoid valve features:

* Unit housing: high quality carbon steel housing case, Teflon coating and smooth surface, and RoHs compliance.
* 2 Ways DC 12’v Solenoid valve
* Common DC voltages: DC 12 V , Adjustable DC voltages available on request.
* Power: 5.8 W
* Current: 0.48 A
* DC Resistance: 25 Ω
* Temperature Rise: max 65 degrees . Cel.
* Precision Flow liquid control: 0.2s On, 0.3 s Off 1.67 G liquid.
* Fixing, plunger coupling, thrust rod options and lead length can all be customized.
* Stable Performance with 300,000 lifespan service

## Advantages of this medical solenoid valve

fast responding time

* + .low power consumption
  + .low and high temperature workable
  + .it can be installed vertically or horizontally
  + compatible with both DC and AC voltage
  + Precision liquid flow control
  + Stable Performance

## Disadvantages of this medical solenoid valve

Every valve has its own disadvantages. Due to human errors, solenoid valve can experience problem when the voltage becomes too less or too more due to this it makes the electromagnetic field strengthen or weaken.

1. Solenoid valve is sensitive to voltage
2. The valve can partly close if magnetic field isn’t set up correctly
3. The coil need to be replaced over the lifetime of the valve
4. Valve fluid can be affected by the flow.