



## LV50 智能切换阀

- LV50 series intelligent switching valve can achieve basic programming, which can realize the port switching in accordance with the predetermined logical sequence
- LV50 can be regarded as a programmable control switching valve. The logical sequence, stay time (hour/minute/second), and cycle index can be preset through the keypad. The interface function is clear and intuitive, operations such as adding and deleting items can be easily performed
- Widely used in instruments for environmental monitoring, experimental analysis, medical analysis, chromatographs, etc.

### Interface Introduction

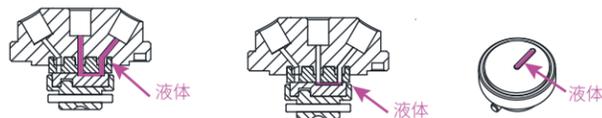
1. Query Operation: In the home screen, press the "PAGE/up/down key" to query the content of a member.
2. Edit Operation: In the main interface or any query interface, press the "EDIT" key to enter the item edit selection interface.
3. Running Operation: In the main interface, press the "ON/OFF" key to start the switching valve control flow.
4. Bridge Operation Mode: In special circumstances, when RS485 communication is required to control internal or external switching valves, bridge operation mode is needed.

### Product Parameters

Valve head	Compatible with universal switching valves figured with 6 or more ports in RUNZE protocol		
Cycle index	Support 1~9999 times loop, or 0000 means infinite loop		
Number of members	Support 1~999 members, at least 1 member		
Rotary encoder control interface	Has a nicer man-machine conversation interface		
Power supply	DC24V±10%		
Power	20W		
Working environment	Temperature range: 0 ~ 40°C; Relative humidity <80%		
Weight	1.58kg~1.68kg		
IP rate	IP31		
Dimension	6/8/10 ports	12 ports	16 ports
	200*100*93mm	205*100*93mm	210*100*93mm

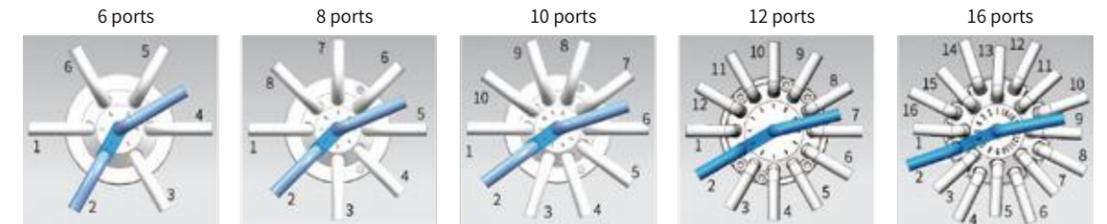
### Dead Volume

Port-to-port Volume    Rotor Slot Volume



### Flow Configuration

The central hole is the common port. Multi-channel switching is available via the rotor. The flow diagram is as follows:



1. Wetted material - PCTFE valve head and sapphire valve rotor and stator, non-metal, anti-corrosive, anti high temperature, wear resistance
2. Flow configuration 6/8/10/12/16 ports and 1.2mm orifice to meet different application
3. OEM service - RUNZE support special flow path design and customize
4. Reset position - the valve reset by CCW (non-changeable), rotor stay between port 1 and maximum port, public port disconnected with any port when valve at reset position

### Dimension (unit: mm)

