

# SV-08 Selector valve



- Support a variety of flow path collocation which meets the needs of different customers.
- RUNZE patented, Sapphire valve rotor and stator, anti-corrosion and high-pressure, high-temperature resistance, high wear resistance, biocompatible and suitable for a variety of special media.
- High efficiency and maintenance-free stepper motor drive system via RS232/RS485/CAN
- Small footprint suits limited spaces.
- Widely used in environmental analysis instruments, laboratory analyzers, medical analysis equipment, and chromatographic analyzers, etc.

QHF-SV08 - X - S - T10 - K1.2 - S - S

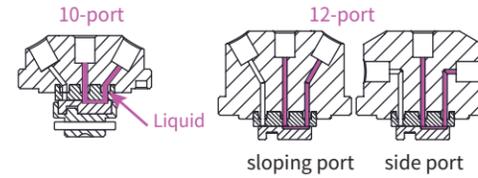
Model No.    Bevel type valve head    Small low voltage    Configuration    Orifice    Sapphire valve head spool    valve head material

①	T10	10 port	②	S	PPS valve head
①	T12	12 port	②	U	UPE valve head

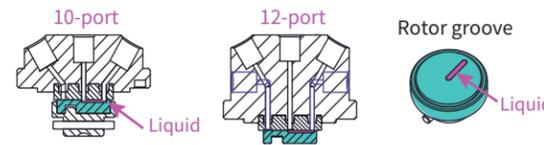
## Technical Parameter

Configuration	10-port	12-port
Orifice	1.2mm	1.2mm
Dead Volume	Port to Port 27.5μl Rotor Slot Volumn 5.20μl	Port to Port 43.75(sloping port)/43.07μl(side port) Rotor Slot Volumn 5.61μl
Wetted material	PPS/UPE Valve Head, Sapphire rotor & stator	
Pressure rating	0-0.3Mpa (air) / 0-1.6Mpa (water)	
Origin detection	Auto reset to initial position when powered on (this function can be opened or closed)	
Liquid temperature	0-150°C	
Connection	1/4-28UNF	
Replaceable parts	Stator replaceable, sealed rotor irreplaceable	
Transposition	Random start to any specific port	
Driver	Non-optional	
Valve drive	≤2s/circle	
Baud rate	RS232/RS485: 9600bps, 19200bps, 38400bps, 57600bps, 115200bps CAN: 100Kbps, 200Kbps, 500Kbps, 1Mbps	
Address & Parameter setting	Via communication	
Power supply	DC24V/3A	
Power	25W	
Operating temperature	-10°C~+50°C	
Operating humidity	<80% relative humidity, non-condensing	
Dimension (L*W*H)	60*51*150mm	60*51*159mm
Net Weight	0.73kg	

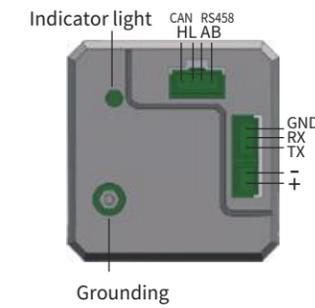
## Port-to-Port Volume



## Rotor Slot Volume

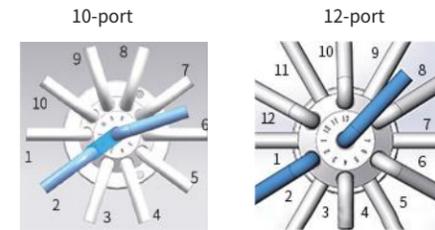


## Driver Port



Port	Description
+	DC24V Positive
-	DC24V Negative
TX	RS232 Data Input
RX	RS232 Data Output
GND	GND
H	CANH
L	CANL
A	RS485A
B	RS485B

## Flow Configuration



1. Center port is public port, valve switch to specific port by programming control
2. Wetted material - PPS/UPE valve head and sapphire valve rotor and stator, completely non-metallic, corrosion resistant, high temperature resistant and wear resistant channels
3. Flow configuration - 10/12 port to meet different applications
4. Reset position - SV-07 valve resets by CCW (non-changeable), rotor stays between port 1 and maximum port, and the public port disconnected with any port when valve at reset status
5. OEM service - RUNZE supports special flow path design and customize, and its flow path configuration can meet the most common applications. RUNZE already declared the patent of a typical cross-contamination-free flow path solution, widely used in various analysis industries, and can provide overall flow path solutions for different needs of customers

## Dimension (Unit: mm)

