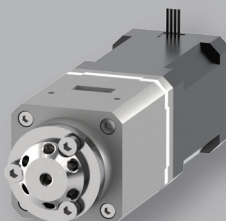
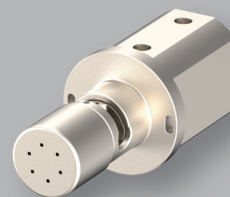




Inscintech

Valves



Professional Fluid Control

Innovation for BioProcess

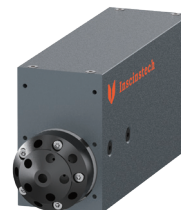


Product Introduction

This series includes multi-channel selector valves, column position valves, injection valves, and other product types. Suitable for media environments involving acids, alkalis, salts, and more, these valves offer a service life of over 1,000,000 cycles.

Applications

Widely used in water quality monitoring, environmental testing, flow injection analysis, solid-phase extraction, liquid chromatography, protein chromatography, medical analysis, and other fields.



Wetted Materials: PEEK

Communication Interfaces: RS232/RS485/CAN

Power Supply: DC24V/2A

Valve Switching Control: The motor control employs a high-dynamic, high-torque, high-precision chopper algorithm, delivering high-speed response, low vibration, and ultra-quiet operation. Four switching path modes are available to meet the application requirements of different valve position switching needs.

Valve Type	Model	Name	Bore Diameter (mm)	Connection Thread	Pressure Rating (MPa, psi)	Flow Path Volume (μL)
Selector Valve	RV08XZ12CPTP040N2	8-Port Selector Valve	1.2 mm	1/4-28UNF	4MPa(580psi)	34.1
	RV08XZ12CPTP040N1	8-Port Selector Valve	1.2 mm	10-32UNF	4MPa(580psi)	26.1
	RV08XZ15CPTP030N2	8-Port Selector Valve	1.5 mm	1/4-28UNF	3MPa(435psi)	53.9
	RV08XZ12CPTP040N2K	8-Port Selector Valve	1.2 mm	1/4-28UNF	4MPa(580psi)	34.1
	RV08XZ12CPTP040N1K	8-Port Selector Valve	1.2 mm	10-32UNF	4MPa(580psi)	26.1
	RV08XZ15CPTP030N2K	8-Port Selector Valve	1.5 mm	1/4-28UNF	3MPa(435psi)	53.9
	RV04XZ32CPTP010N3	4-Port Selector Valve	3.2 mm	1/2-20UNF	1MPa(145psi)	352.9
	RV04XZ32CPTP010N3K	4-Port Selector Valve	3.2 mm	1/2-20UNF	1MPa(145psi)	352.9
	RV10XZ15CPTP010N2	10-Port Selector Valve	1.5 mm	1/4-28UNF	1MPa(145psi)	58
	RV10XZ15CPTP010N2K	10-Port Selector Valve	1.5 mm	1/4-28UNF	1MPa(145psi)	58
Injection Valve	RV06SQ06CPTP100N1	3-Position 7-Port Valve	0.6 mm	10-32UNF	10MPa(1450psi)	5.5
	RV06SQ12CPTP040N1	3-Position 7-Port Valve	1.2 mm	10-32UNF	5MPa(725psi)	25.9
	RV06SQ06CPTP100N1K	3-Position 7-Port Valve	0.6 mm	10-32UNF	10MPa(1450psi)	5.5
	RV06SQ12CPTP040N1K	3-Position 7-Port Valve	1.2 mm	10-32UNF	5MPa(725psi)	25.9
	RV06SQ12CPTP040N2	3-Position 7-Port Valve	1.2 mm	1/4-28UNF	5MPa(725psi)	28.1
	RV06SQ12CPTP040N2K	3-Position 7-Port Valve	1.2 mm	1/4-28UNF	5MPa(725psi)	28.1
Column Position Valve	RV08SZ06CPTP040N2	3-Column Position Valve	0.6 mm	1/4-28UNF	5MPa(725psi)	20.1
	RV08SZ10CPTP010N2	3-Column Position Valve	1.0 mm	1/4-28UNF	2MPa(290psi)	61.9
	RV08SZ06CPTP040N1	3-Column Position Valve	0.6 mm	10-32UNF	5MPa(725psi)	15.6
	RV08SZ10CPTP010N1	3-Column Position Valve	1.0 mm	10-32UNF	2MPa(290psi)	49.4
	RV08SZ06CPTP040N2K	3-Column Position Valve	0.6 mm	1/4-28UNF	5MPa(725psi)	20.1
	RV08SZ10CPTP010N2K	3-Column Position Valve	1.0 mm	1/4-28UNF	2MPa(290psi)	61.9
	RV08SZ06CPTP040N1K	3-Column Position Valve	0.6 mm	10-32UNF	5MPa(725psi)	15.6
	RV08SZ10CPTP010N1K	3-Column Position Valve	1.0 mm	10-32UNF	2MPa(290psi)	49.4



Product Introduction

The pH Valve features an integrated flow cell and pH electrode, enabling precise online pH monitoring. It also offers a bypass operating mode, allowing pH monitoring to be disabled without the need for any tubing replacement. Additionally, the pH Valve is equipped with an on-site calibration port for pre-calibration of the flow path. It is suitable for media environments involving acids, alkalis, salts, and more.



Applications

Ideal for biopharmaceutical manufacturing, purification applications, and other scenarios requiring pH monitoring of process fluids within the flow path.

Wetted Materials: PEEK

Communication Interfaces: RS232 / RS485 / CAN

Power Supply: DC24V / 2A

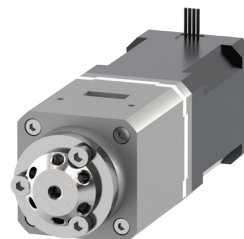
Valve Switching Control: The motor control employs a high-dynamic, high-torque, high-precision chopper algorithm, delivering high-speed response, low vibration, and ultra-quiet operation. Four switching path modes are available to meet the application requirements of different valve position switching needs.

Valve Type	Model	Name	Bore Diameter (mm)	Connection Thread	Pressure Rating (MPa, psi)	Flow Path Volume (μL)
Functional Valve (pH Valve)	PH12CPTP005N1	pH valve	1.2 mm	10-32UNF	0.5MPa(70psi)	38.3
	PH12CPTP005N1K	pH valve	1.2 mm	10-32UNF	0.5MPa(70psi)	38.3
	PH12CPTP005N2	pH valve	1.2 mm	1/4-28UNF	0.5MPa(70psi)	49.1
	PH12CPTP005N2K	pH valve	1.2 mm	1/4-28UNF	0.5MPa(70psi)	49.1



Product Introduction

This series includes multi-channel selector valves, column position valves, injection valves, and other product types. Featuring high reliability, these valves offer a maximum working pressure of up to 40 MPa and are suitable for media environments involving acids, alkalis, salts, and more.



Applications

Ideal for high-pressure flow path switching applications such as high-performance liquid chromatography (HPLC).

Wetted Materials: Valve head – PEEK / PI / 316L / TC4; Stator – PEEK / PI; Rotor – PEEK / PI

Communication Interfaces: RS232 / RS485 / CAN

Power Supply: DC24V / 2A

Valve Switching Control: The motor control employs a high-dynamic, high-torque, high-precision chopper algorithm, delivering high-speed response, low vibration, and ultra-quiet operation.

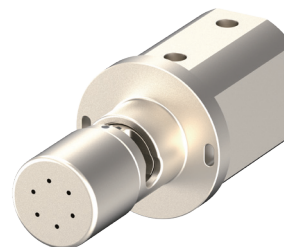
High Reliability: Equipped with high-precision encoder closed-loop control, suitable for applications requiring high reliability and real-time positioning accuracy.

Valve Type	Model	Name	Bore Diameter (mm)	Connection Thread	Pressure Rating (MPa, psi)	Flow Path Volume (μL)
Injection Valve	ZG06LL03TCCPTP42A4W48	2-Position 6-Port Valve	0.28	10-32UNF	42MPa (6000psi)	0.565
	ZG06LL03TCCPTP62A0W6	2-Position 6-Port Valve	0.28	10-32UNF	62MPa (9000psi)	0.529
	ZG06LL17TCCPTP15D7W48	2-Position 6-Port Valve	1.7	5/16-24UNF	15MPa (2175psi)	28.858
	ZG06SQ03TCCPTP42A4W48	3-Position 7-Port Valve	0.28	10-32UNF	42MPa (6000psi)	0.563
	ZG06SQ06TCCPTP42A7W48	3-Position 7-Port Valve	0.6	10-32UNF	42MPa (6000psi)	3.9
	ZG06SQ15PKCPTP15B7W48	3-Position 7-Port Valve	1.5	1/4-28UNF	15MPa (2175psi)	39.38
	ZG08SB08PKCPTP20A10W48	4-Position 8-Port Valve	0.8	10-32UNF	20MPa (2900psi)	25.4
	ZG08SB12PKCPTP15A10W48	4-Position 8-Port Valve	1.2	10-32UNF	15MPa (2175psi)	37
Column Position Valve	ZG08SZ06TCCPTP42A7W48	3-Column Position Valve	0.6	10-32UNF	42MPa (6000psi)	6.129
	ZG08SZ06TCCPTP42A7W48A	3-Column Position Valve	0.6	10-32UNF	42MPa (6000psi)	5
	ZG08SZ12PKCPTP15B7W48	3-Column Position Valve	1.2	1/4-28UNF	15MPa (2175psi)	21
	ZG08SZ12PKCPTP15B7W48A	3-Column Position Valve	1.2	1/4-28UNF	15MPa (2175psi)	20.685
	ZG12WZ08CPTP20A10W48PA	5-Column Position Valve	0.8	10-32UNF	20MPa (2900psi)	30.106
	ZG12WZ12CPTP15A10W48PA	5-Column Position Valve	1.2	10-32UNF	15MPa (2175psi)	54.248
Selector Valve	ZG06XZ06TCCPTP42A7W48	6-Column Position Valve	0.6	10-32UNF	42MPa (6000psi)	3.9



Product Introduction

The pneumatic pinch valve uses compressed air to drive the cylinder to clamp/release the tubing, thereby achieving on/off control of the media being transported in the pipeline. As a non-contact switch with airtight isolation control, it is compatible with multiple tubing sizes simultaneously. It offers advantages such as no contamination, no heat generation, simple maintenance, and easy replacement, while ensuring the purity and temperature of the media remain unchanged.



Applications

Suitable for on/off control in biopharmaceutical manufacturing and other high-purity fluid applications, as well as in food, beverage, and dairy industries with contamination-free requirements, and in industrial applications requiring sterile and flushing procedures. In the field of instrumental analysis, it is used in applications such as single-use bioreactors, tangential flow filtration (TFF), chromatography systems, and peritoneal dialysis instruments.

Valve Type	Pneumatic Connection	Supply Pressure (bar)	Tube O.D. mm (in)	Tube I.D. mm (in)	Wall Thickness mm (in)	Valve Body Material	N.O. / N.C.	Additional Features
Tsinling-ASCM-55	1/8"NPT	4.8-10 (70-145psi)	12.7(1/2)	6.4(1/4)	3.2(1/8)	Aluminum	N.C.	Manual Override
Tsinling-SSCM-55	1/8"NPT	4.8-10 (70-145psi)	12.7(1/2)	6.4(1/4)	3.2(1/8)	Stainless Steel	N.C.	Manual Override
Tsinling-ASCM-54	1/8"NPT	4.8-10 (70-145psi)	12.7(1/2)	9.5(3/8)	1.6 (1/16)	Aluminum	N.C.	Manual Override
Tsinling-SSCM-54	1/8"NPT	4.8-10 (70-145psi)	12.7(1/2)	9.5(3/8)	1.6 (1/16)	Stainless Steel	N.C.	Manual Override
Tsinling-ASC0-55	1/8"NPT	4.8-10 (70-145psi)	12.7(1/2)	6.4(1/4)	3.2(1/8)	Aluminum	N.C.	None
Tsinling-ASP0-55	1/8"NPT	4.8-10 (70-145psi)	12.7(1/2)	6.4(1/4)	3.2(1/8)	Aluminum	N.O.	None
Tsinling-SSC0-55	1/8"NPT	4.8-10 (70-145psi)	12.7(1/2)	6.4(1/4)	3.2(1/8)	Stainless Steel	N.C.	None
Tsinling-SSP0-55	1/8"NPT	4.8-10 (70-145psi)	12.7(1/2)	6.4(1/4)	3.2(1/8)	Stainless Steel	N.O.	None
Tsinling-ASC0-54	1/8"NPT	4.8-10 (70-145psi)	12.7(1/2)	9.5(3/8)	1.6 (1/16)	Aluminum	N.C.	None
Tsinling-ASP0-54	1/8"NPT	4.8-10 (70-145psi)	12.7(1/2)	9.5(3/8)	1.6 (1/16)	Aluminum	N.O.	None
Tsinling-SSC0-54	1/8"NPT	4.8-10 (70-145psi)	12.7(1/2)	9.5(3/8)	1.6 (1/16)	Stainless Steel	N.C.	None
Tsinling-SSP0-54	1/8"NPT	4.8-10 (70-145psi)	12.7(1/2)	9.5(3/8)	1.6 (1/16)	Stainless Steel	N.O.	None



Website



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