

SUS316 Push-In fitting type flow control valve with corrosion resistance

⚠ Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)

SSJS (1)	C (2)	6 (3)	-	01 (4)	A (5)	(6)	(7)	(8)
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(1) Speed Controller SUS316

(2) Type

C : Elbow

(3) Tube dia.(øD)

Code	4	6	8	10	12	16
Tube O.D. (mm)	ø4	ø6	ø8	ø10	ø12	ø16

(4) Thread size (R)

Code	Metric thread	Taper pipe thread			
	M5	01	02	03	04
Thread size	M5×0.8	R1/8	R1/4	R3/8	R1/2

(5) Control direction

Code	A	B
	Meter-out control	Meter-in control
Control direction	Air from thread side is controlled. Air from tube side is not controlled and flows out from thread side	Air from tube side is controlled. Air from thread side is not controlled and flows out from tube side.
Identification	Marking on back 	

(6) Grease specifications (Optional)

Code	No code	-X
Specifications	Oil-free (*1)	Fluorine-based grease (*2)

*1. Fluorine coating on rubber seals (FKM)

*2. Fluorochemical grease is applied on rubber seals (FKM)

(7) Sealing tape on thread (Optional) tapered thread only

Code	No code	-TP
Specifications	Without seallock or seal tape	Seal tape (Applying seal tape on the thread)

(8) Packaging specifications (Optional)

Code	No code	-C
Specifications	Standard package	Clean-room package

Identification

Speed Controller SUS316	Throttle (Needle) Valve SUS316
Marking on back	No marking on back

Characteristics

External parts are made of SUS316 stainless steel.

Best suitable for industries such as Food, Chemical, Medical and Semi-conductor manufacturing etc.

All parts used are free from oil.

The material of sealing rubber is FKM. *HNBR for diaphragm

External parts are Food Sanitation Act. compliant.

*Refer to page 6 for details

The same lock-claws system as tube fitting is adopted.

● Clean-room package specifications (Optional)

Best suitable for piping in clean environment.

Products are packed in a clean room equivalent to ISO class 6 after washed by clean air.

Specifications

Fluid medium	Air
Operating pressure range	0.1 to 0.9 MPa
Check valve opening pressure	0.05MPa
Operating temp. range	-5 to 60°C(No freezing)

RoHS2 (2011/65/EU+EU2015/863) compliant

Type	Model code	Applicable cylinder tube I.D. (mm)
Elbow SSJSC 	SSJSC4-M5[5][6][7]	ø20
	SSJSC4-01[5][6][7]	ø32
	SSJSC6-M5[5][6][7]	ø20
	SSJSC6-01[5][6][7]	ø32
	SSJSC8-01[5][6][7]	ø32
	SSJSC8-02[5][6][7]	ø40
	SSJSC10-02[5][6][7]	ø40
	SSJSC10-03[5][6][7]	ø80
	SSJSC12-03[5][6][7]	ø80
	SSJSC12-04[5][6][7]	ø100
	SSJSC16-04[5][6][7]	ø100

Notes

- *1. For [5] in model code, please select a control direction code, "A" for Meter-out and "B" for Meter-in control.
- *2. Applicable cylinder tube I.D. is based on the supply air pressure at 0.5MPa and cylinder speed at 500mm/sec.



CAD data is available at PISCO website.



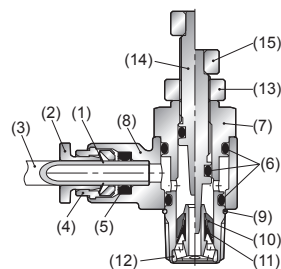
Packaging specifications
1 pc. /bag



Options

Code	[6] : -X	[7] : -TP	[8] : -C
Specifications	Fluorine-based grease	Sealing tape	Clean-room package

Sectional drawing



No.	Parts	Material
(1)	Lock claws	SUS316
(2)	Release-ring	SUS316 (*1)
(3)	Tube	Any applicable PISCO tubing
(4)	Guide ring	SUS316
(5)	Elastic sleeve	FKM (*1)
(6)	O-ring	FKM (*1)
(7)	Metallic body	SUS316 (*2)
(8)	Fitting body	SUS316
(9)	C-ring	SUS316
(10)	Retainer	PBT
(11)	Diaphragm	HNBR
(12)	Core cylinder	Special stainless steel (Austenitic or Ferritic) (*3)
(13)	Lock nut	SUS316
(14)	Needle	SUS316
(15)	Knob	SUS316

*1. Fluorine coating

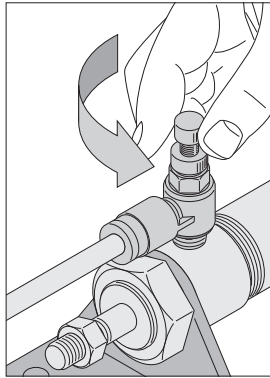
*2. Metric thread type comes with a gasket (SUS316+FKM) but there is no sealing tape nor sealock on the tapered pipe thread.

*3. Anti-corrosivity is equivalent to SUS303

■ How to adjust speed

(1) Increasing speed

When the needle knob of Speed Controller is turned counterclockwise from the fully closed position, the actuator speed will increase. Make sure to tighten the lock nut at the desired speed so that the speed setting cannot be changed.



(2) Reducing speed

If the needle knob of Speed Controller is turned too far (if the speed is too fast), turn it clockwise to reduce the actuator speed. Make sure to tighten the lock nut at the desired speed so that the speed setting cannot be changed.

