

Speed Controller Anti-spatter

Spatter-proof push-in fitting type flow control valve

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)



(1) Speed Controller

(2) Type

C : Elbow

(3) Tube dia. (øD)

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

(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	Color of lock nut : Silver	Color of lock nut : Black

(6) Low cracking pressure type

Code	No code	K
Specifications	Standard specification	Low cracking pressure type (Check valve opening pressure: 0.02MPa, Operating pressure range: 0.05 to 0.5MPa)

(7) Resin material

V-0 : Flame-retardant resin

► UL94 V-0...

UL94 is specified by Underwriters Laboratories Inc. and classified into V-0, V-1, V-2 and HB depending on self-extinguishing materials. V-0 is the highest requirement class.

Characteristics

Flame-retardant resin (Equivalent to UL94 V-0) is applied for the body material to adapt to spatter environment.

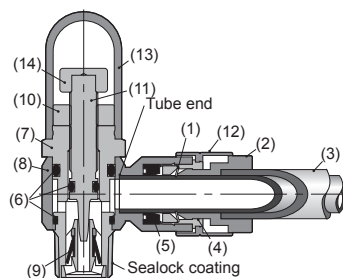
Protective Cover at both needle and joint parts to protect from sparks.

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

Specifications

Fluid medium	Air
Max. operating pressure	0.1 to 0.9 MPa (Low cracking pressure type: 0.05 to 0.5MPa)
Check valve opening pressure	0.05 MPa (Low cracking pressure type: 0.02MPa)
Operating temp. range	0 to 60°C (No freezing)

Sectional drawing



No.	Parts	Material
(1)	Lock claws	Stainless steel
(2)	Release-ring	Flame-retardant resin
(3)	Tube	Anti-spatter tube
(4)	Guide ring	Nickel-plated brass
(5)	Elastic sleeve	NBR
(6)	O-ring	NBR
(7)	Metallic body	Nickel-plated brass
(8)	Resin body	Flame-retardant resin
(9)	Diaphragm	HNBR
(10)	Lock nut	Aluminum
(11)	Needle	Nickel-plated brass
(12)	Cover	Flame-retardant resin
(13)	Cover	Flame-retardant resin
(14)	Knob	Nickel-plated brass

*The gasket material of M5 thread is SPCC + NBR.

Type	Model code JSCøD-R[5](K)V-0	Applicable cylinder tube I.D. (mm)
Elbow JSC øD R	JSC4-M5[5]V-0	ø20
	JSC4-M5[5]KV-0	ø16
	JSC4-01[5]V-0	ø32
	JSC4-01[5]KV-0	
	JSC6-M5[5]V-0	ø20
	JSC6-M5[5]KV-0	ø16
	JSC6-01[5]V-0	ø32
	JSC6-01[5]KV-0	
	JSC6-02[5]V-0	ø40
	JSC6-02[5]KV-0	
	JSC6-03[5]V-0	ø63
	JSC8-01[5]V-0	ø32
	JSC8-01[5]KV-0	
	JSC8-02[5]V-0	ø40
	JSC8-02[5]KV-0	
	JSC8-03[5]V-0	ø63
	JSC8-04[5]V-0	ø100
	JSC10-02[5]V-0	ø40
	JSC10-02[5]KV-0	
	JSC10-03[5]V-0	ø63
	JSC10-04[5]V-0	ø100
	JSC12-03[5]V-0	ø63
	JSC12-04[5]V-0	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.

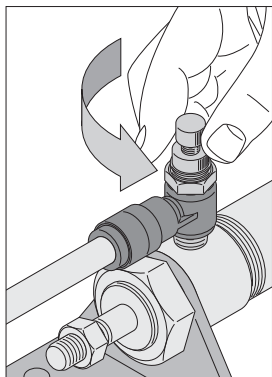


Packaging specifications
1 pc. /bag

■ How to adjust speed

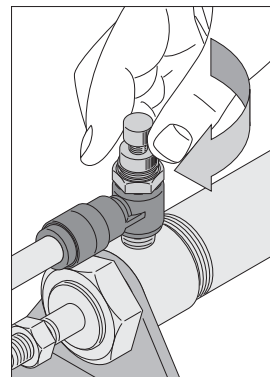
(1) Increasing speed

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

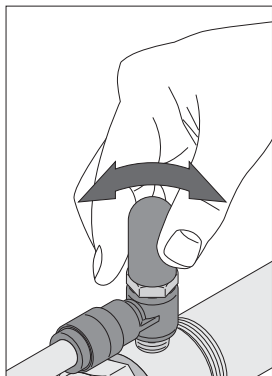
If the needle knob of Speed Controller is turned too far (if the speed is too fast), turn it clockwise to reduce the actuator speed. Make sure to tighten the lock nut at the desired speed so that the speed setting cannot be changed.



■ How to install and remove the cover

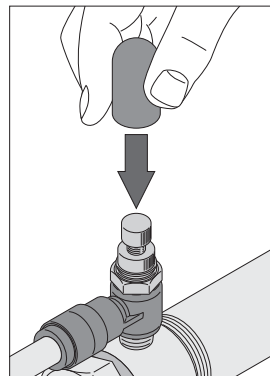
(1) Cover removal

Pinch the cover and pull it out while wiggling it in the arrowed directions as shown in the right figure.



(2) Cover installation

Pinch the cover and push it in until it hits the hex. of the metal body.



For tube insertion/disconnection and thread tightening, refer to the “Common Safety Instructions for Product Listed” of “Common Safety Instructions for Controllers” on PISCO website. (<https://www.pisco.co.jp/en/product/b/cautions/>)