

Push-in fitting type brass flow control valve for use in environments of high heat and weld spatters

⚠ 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 Brass

(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	Marking on needle : A	Marking on needle : B

(6) Cover option

Code	No code	-1
Cover	With cover	Without cover

(7) Seal rubber material (Optional)

Code	No code	-F
Material	HNBR	FKM

Characteristics

Best suitable for high heat and spatter environments.

HNBR is used for seal material.

FKM specifications are also available as an option.

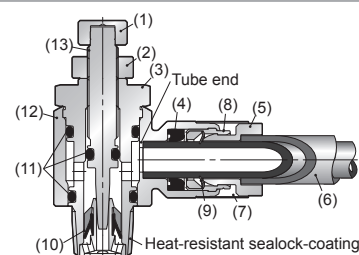
Invasion of tiny weld spatter can be shut out by using Release-ring cover.

Avoiding invasion of tiny spatter from between release-ring and tube by using Release-ring cover (CS: refer to Tube Fitting Brass Series) which is separately sold.

Specifications

Fluid medium	Air	
Operating pressure range	0.1 to 1.0 MPa (at 20°C in the operating environment and fluid temperature)	
Check valve opening pressure	0.05 MPa	
Operating temp. range	HNBR specification: 0 to 100°C (No freezing)	FKM specification: 0 to 120°C (No freezing)

Sectional drawing



No.	Parts	Material
(1)	Knob	Nickel-plated brass
(2)	Lock nut	Nickel-plated brass
(3)	Thread body	Nickel-plated brass
(4)	Elastic sleeve	HNBR(Standard specification)
(5)	Release-ring	Nickel-plated brass
(6)	Tube	Anti-spatter tube, etc
(7)	Cover	Nickel-plated brass
(8)	Guide ring	Nickel-plated brass
(9)	Lock claws	Stainless steel
(10)	Diaphragm	HNBR(Standard specification)
(11)	O-ring	HNBR(Standard specification)
(12)	Metallic body	Nickel-plated brass
(13)	Needle	Nickel-plated brass

*The gasket material of M5 thread is SUS316 + FKM.

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

With cover			Without cover		
Type	Model code KJSCøD-R[5][7]	Applicable cylinder tube I.D. (mm)	Type	Model code KJSCøD-R[5]-1[7]	Applicable cylinder tube I.D. (mm)
Elbow KJSC  øD R	KJSC4-M5[5][7]	ø20	Elbow KJSC  øD R	KJSC4-M5[5]-1[7]	ø20
	KJSC4-01[5][7]	ø32		KJSC4-01[5]-1[7]	ø32
	KJSC6-M5[5][7]	ø20		KJSC6-M5[5]-1[7]	ø20
	KJSC6-01[5][7]	ø32		KJSC6-01[5]-1[7]	ø32
	KJSC6-02[5][7]	ø40		KJSC6-02[5]-1[7]	ø40
	KJSC6-03[5][7]	ø63		KJSC6-03[5]-1[7]	ø63
	KJSC8-01[5][7]	ø32		KJSC8-01[5]-1[7]	ø32
	KJSC8-02[5][7]	ø40		KJSC8-02[5]-1[7]	ø40
	KJSC8-03[5][7]	ø63		KJSC8-03[5]-1[7]	ø63
	KJSC10-02[5][7]	ø40		KJSC10-02[5]-1[7]	ø40
	KJSC10-03[5][7]	ø63		KJSC10-03[5]-1[7]	ø63
	KJSC10-04[5][7]	ø100		KJSC10-04[5]-1[7]	ø100
	KJSC12-03[5][7]	ø63		KJSC12-03[5]-1[7]	ø63
	KJSC12-04[5][7]	ø100		KJSC12-04[5]-1[7]	ø100
Type	Model code CSøD	Image of installing release ring cover 			
Release-ring cover CS  øD	CS6				
	CS8				
	CS10				
	CS12				



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

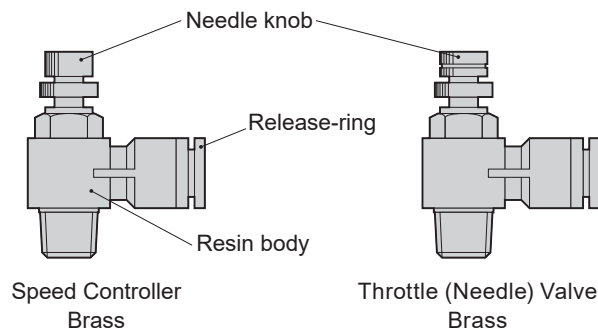
- 1 pc. /bag
- 10 pcs. /bag: Release-ring cover



Options

- [7]: -F ⇒ Seal rubber material FKM specification

■ How to identify similar products

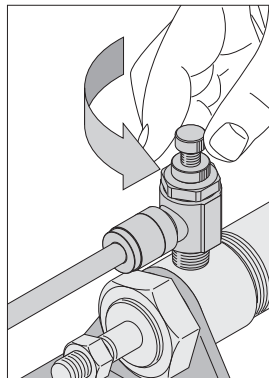


Type	Needle knob
Speed Controller Brass	Without flat groove
Throttle (Needle) Valve Brass	With flat groove

■ 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.

