

Push-In fitting type one-way 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) *Please see page 121-122 for the combinations of applicable tube dia. and thread size.

JS (1)	C (2)	6 (3)	-	01 (4)	A (5)	(6)	(7)	(8)	(9)
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(1) Speed Controller

(2) Type

Code	C	S	MU	M
Type	Elbow	Free	Small Union Straight	Universal

(3) Tube dia. (øD)

Code	mm size (mm)								inch size (inch)						
	180	2	3	4	6	8	10	12	1/8	5/32	3/16	1/4	5/16	3/8	1/2
Tube O.D.	ø1.8	ø2	ø3	ø4	ø6	ø8	ø10	ø12	ø1/8	ø5/32	ø3/16	ø1/4	ø5/16	ø3/8	ø1/2

*1. Tube dia. ø1.8mm, 2mm and 3mm of Small Union Straight type are only available in low-flow type, which requires "L" in (7).

*2. Tube dia. ø1.8mm and 2mm are only available in low-flow type.

(4) Thread size (R) (No code entry for Small Union Straight type : JSMU)

Code	Metric thread		Taper pipe thread				Unified fine thread	National pipe thread tapered			
	M3	M5	01	02	03	04	U10	N1	N2	N3	N4
Thread size	M3×0.5	M5×0.8	R1/8	R1/4	R3/8	R1/2	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2

*M3 thread is only available in standard and low-flow type.

(5) Control direction (No code entry for Small Union Straight type : JSMU)

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 (Large-flow type: Blue)	Color of lock nut : Black

(6) Low cracking pressure type (No code entry for Small Union Straight, High/Low-flow type)

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

(7) Flow type (Please select the flow type by referring to the characteristics on the next page.)

Code	No code	H(*)	L
Type	Standard	High-flow	Low-flow
Marking on needle	A, B, AK, BK	AG	AT, BT (No marking for ø1.8, ø2, ø3mm)

*The High-flow type comes with meter-out control (A) only.

(8) Body color + Packaging option (Optional)

Code	No code	-C	W	W-C
Check valve specifications	Standard	Clean-room package	Light-gray	Light-gray + Clean-room package
Appearance spec.				
Release-ring color (*)	Black	Light-blue	Light-gray	Light-gray
Resin body color	Black	Light-gray		

Release-ring shape

- Tube O.D. : ø1.8mm ■ Tube O.D. : ø2mm
 - ◀ Round shape(One cut)
 - ◀ Round shape(Two cuts)
- Tube O.D. : ø3, ø4, ø6mm ø1/8, ø5/32, ø3/16, ø1/4in.
 - ◀ Oval shape
- Tube O.D. : ø8, ø10, ø12mm ø5/16, ø3/8, ø1/2in.
 - ◀ Round shape

*1. Clean-room package is not available for High-flow type.

*2. Release-ring color is white for all the above specifications of inch size.

*3. There is no option "W-C" for inch-size product since it is the same product as "-C".



(9) Wrench size specification

Code	No code	U
Wrench size specification	mm spec.	inch spec.

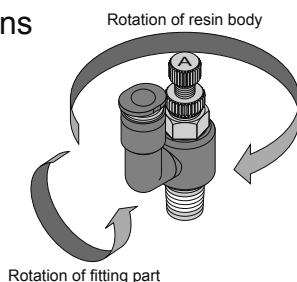
Speed Controller

Characteristics

Standard type, Free

The tubing lead-out directions are flexible.

Resin body and fitting are rotatable.

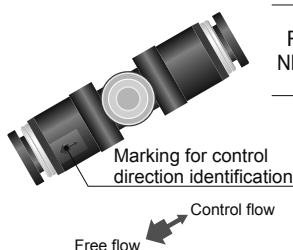


Thread size (Code)	Tube dia. (mm)	Controlled flow (l/min[ANR])	Needle rotation	Primary Pressure (MPa)
M3×0.5(M3)	ø3, ø4	63	7	0.5
M5×0.8(M5)	ø3, ø4, ø6	72	7	
10-32UNF(U10) R1/8(01) NPT1/8(N1)	ø4, ø6, ø8	167	12	
R1/4(02) NPT1/4(N2)				
	ø8, ø10	272	13	
R3/8(03) NPT3/8(N3)				
	ø8	911		
	ø10	960		
	ø12	867		
R1/2(04) NPT1/2(N4)	ø8	1,200	13	
	ø10	1,543		
	ø12	1,686		

Standard type, Small Union Straight

The check valve operates at a low pressure of 0.005MPa.

*Not including Low-flow type.



Easier to identify the control direction.

A marking on the top of resin body (needle side) indicates the control direction.

*Not including Low-flow type.

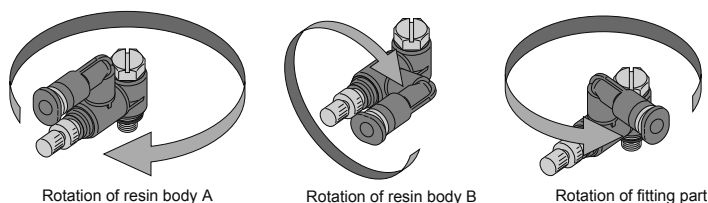
Universal type

Best suitable for speed control of pen-type cylinders.

Universal type is suitable for space-saving piping.

The tube lead-out directions are free.

Resin body A, B and the fitting part are rotatable.



High-flow type

Suitable for High Speed Cylinder.

High flow type with same size as standard type.

Thread size (Code)	Tube dia. (mm)	Controlled flow (ℓ/min[ANR])	Needle rotation	Primary Pressure (MPa)
R1/8(01) NPT1/8(N1)	ø6, ø8	300	10	0.5
R1/4(02) NPT1/4(N2)	ø6	511	12	
	ø8, ø10	787		
R3/8(03) NPT3/8(N3)	ø8	1,164	11	
	ø10, ø12	1,422		
R1/2(04) NPT1/2(N4)	ø12	2,000	12	

Low-flow type

Suitable for Low Speed Cylinder.

Since free flow rates are equivalent to those of standard type, return strokes can be driven at high speed.

A wide variety of shapes for low-flow type.

Thread size (Code)	Tube dia. (mm)	Controlled flow (l/min[ANR])	Needle rotation	Primary Pressure (MPa)
M3×0.5(M3)	ø1.8, ø2, ø3	20	10	0.5
	ø4	35		
M5×0.8(M5)	ø1.8, ø2	20		
	ø3	35		
	ø4, ø6	6.5		
R1/8(01)	ø4, ø6, ø8, ø10	13	12	
R1/4(02)	ø6, ø8, ø10	41		

Clean-room package (Optional)

Best suitable for piping in clean environment.

Fluorine-based grease is used on O-ring for clean-room package.

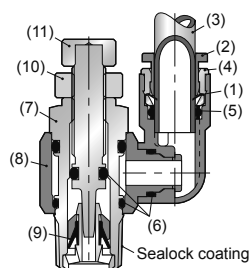
Products are packed in a clean room equivalent to ISO class 6 after washed by clean air.

Specifications

Standard type			High-flow type		Low-flow type		
Type	Elbow, Free, Universal	Small Union Straight	Fluid medium	Air	Fluid medium	Air	
Fluid medium	Air		Operating pressure range	0.1 to 0.7 MPa	Operating pressure range	0.1 to 0.9 MPa	
Operating pressure range	0.1 to 0.9 MPa (Low cracking pressure type: 0.05 to 0.5MPa)	0.05 to 1.0 MPa	Check valve opening pressure	0.05 MPa	Check valve opening pressure	0.05 MPa	
Check valve opening pressure	0.05 MPa (Low cracking pressure type: 0.02MPa)	0.005 MPa	Operating temp. range	0 to 60°C (No freezing)	Operating temp. range	0 to 60°C (No freezing)	
Operating temp. range	0 to 60°C (No freezing)						

Standard type Free: JSS

*2. Gasket for metric or UNF thread of standard and low-flow type is made of SUS304+NBR or SPCC+NBR. For metric thread of clean-room packaging, gasket is made of POM.



No.	Parts	Material
(1)	Lock claws	Stainless steel
(2)	Release-ring	POM
(3)	Tube	Polyurethane, Nylon, etc
(4)	Guide ring	Nickel-plated brass
(5)	Elastic sleeve	NBR
(6)	O-ring	NBR
(7)	Metallic body ^(*)	Nickel-plated brass
(8)	Resin body	PBT
(9)	Diaphragm	HNBR
(10)	Lock nut	Aluminum
(11)	Needle	Nickel-plated brass

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

Standard type									
Type	Model code JSCØD-R5(K)8	Applicable cylinder tube I.D. (mm)	Model code JSCØD-R5(K)U	Applicable cylinder tube I.D. (mm)	Type	Model code JSSØD-R5(K)8	Applicable cylinder tube I.D. (mm)	Model code JSSØD-R5(K)U	Applicable cylinder tube I.D. (mm)
Elbow JSC øD R	JSC3-M358	ø16	JSC3/8-U105U	max. ø20	Free JSS øD R	JSS3-M358	ø16	JSS3/8-U105U	max. ø20
	JSC3-M35K8		JSC3/8-U105KU	max. ø16		JSS3-M35K8		JSS3/8-U105KU	max. ø16
	JSC3-M558	ø16	JSC3/8-N15U	max. ø32		JSS3-M558	ø20	JSS3/32-U105U	max. ø20
	JSC3-M55K8		JSC3/8-N15KU	max. ø32		JSS3-M55K8	ø16	JSS3/32-U105KU	max. ø16
	JSC4-M358	ø16	JSC3/32-U105U	max. ø20		JSS4-M358	ø16	JSS3/32-N15U	max. ø32
	JSC4-M35K8		JSC3/32-U105KU	max. ø16		JSS4-M35K8		JSS3/32-N15KU	max. ø32
	JSC4-M558	ø20	JSC3/32-N15U	max. ø32		JSS4-M558	ø20	JSS3/16-U105U	max. ø20
	JSC4-M55K8	ø16	JSC3/32-N15KU	max. ø32		JSS4-M55K8	ø16	JSS3/16-U105KU	max. ø16
	JSC4-0158	ø32	JSC3/16-U105U	max. ø20		JSS4-0158	ø32	JSS3/16-N15U	max. ø32
	JSC4-015K8		JSC3/16-U105KU	max. ø16		JSS4-015K8		JSS3/16-N15KU	max. ø32
	JSC6-M558	ø20	JSC3/16-N15U	max. ø32		JSS6-M558	ø20	JSS3/16-N25U	max. ø40
	JSC6-M55K8	ø16	JSC3/16-N15KU	max. ø32		JSS6-M55K8	ø16	JSS3/16-N25KU	max. ø40
	JSC6-0158	ø32	JSC3/16-N25U	max. ø40		JSS6-0158	ø32	JSS1/4-U105U	max. ø20
	JSC6-015K8		JSC3/16-N25KU	max. ø40		JSS6-015K8		JSS1/4-U105KU	max. ø20
	JSC6-0258	ø40	JSC3/16-N35U	max. ø63		JSS6-0258	ø40	JSS1/4-N15U	max. ø32
	JSC6-025K8		JSC3/4-U105U	max. ø20		JSS6-025K8		JSS1/4-N15KU	max. ø32
	JSC6-0358	ø63	JSC3/4-U105KU	max. ø20		JSS8-0158	ø32	JSS1/4-N25U	max. ø40
	JSC8-0158	ø32	JSC3/4-N15KU	max. ø32		JSS8-015K8		JSS1/4-N25KU	max. ø40
	JSC8-015K8		JSC3/4-N25KU	max. ø40		JSS8-0258	ø40	JSS3/16-N15U	max. ø32
	JSC8-0258	ø40	JSC3/4-N35U	max. ø63		JSS8-025K8		JSS3/16-N15KU	max. ø32
	JSC8-025K8		JSC3/4-N45U	max. ø80		JSS8-0358	ø63	JSS3/16-N25U	max. ø40
	JSC8-0358	ø63	JSC3/16-N15U	max. ø32		JSS10-0258	ø40	JSS3/16-N25KU	max. ø40
	JSC8-0458	ø80	JSC3/16-N15KU	max. ø32		JSS10-025K8		JSS3/16-N35U	max. ø63
	JSC10-0258	ø40	JSC3/16-N25U	max. ø40		JSS10-0358	ø63	JSS3/8-N25U	max. ø40
	JSC10-025K8		JSC3/16-N25KU	max. ø40		JSS12-0358	ø63	JSS3/8-N25KU	max. ø40
	JSC10-0358	ø63	JSC3/16-N35U	max. ø63		JSS12-0458	ø100	JSS3/8-N35U	max. ø63
	JSC10-0458	ø100	JSC3/16-N45U	max. ø80		JSS1/8-M358	ø16	JSS1/2-N35U	max. ø63
	JSC12-0358	ø63	JSC3/8-N25KU	max. ø40		JSS1/8-M35K8		JSS1/2-N45U	max. ø100
	JSC12-0458	ø100	JSC3/8-N45U	max. ø100		JSS1/8-M558	ø20	<i>i</i> Notes *1. For 5 in model select a control "A" for Meter-in Meter-in control *2. Applicable cylinder I.D. is based on air pressure at cylinder speed	
	JSC1/8-M358	ø16	JSS1/2-N35U	max. ø63		JSS1/8-M55K8	ø16		
	JSC1/8-M35K8		JSS1/2-N45U	max. ø100		JSS1/4-M558	ø20		
	JSC1/8-M558</								



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



Non-standard options
(Details ► P.893)

- Seal rubber options (FKM, EPDM, HNBR)
- Copper free spec.
- Release-ring color change (Red)

► Contact us for the price.



Options

Code	8 : -C	8 : W	8 : W-C
Specifications	Clean-room package	Light-gray	Light-gray + Clean-room package

Speed Controller

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

Standard type					
Type	Model code JSMUøD[8]	Applicable cylinder tube I.D. (mm)	Type	Model code JSMøD-R[5](K)	Applicable cylinder tube I.D. (mm)
Small Union Straight JSMU 	JSMU4[8]	ø20	Universal JSM 	JSM4-M5[5][8]	ø20
	JSMU6[8]	ø32		JSM4-M5[5]K[8]	ø16
	JSMU8[8]	ø50			
	JSMU10[8]	ø63			
	JSMU12[8]	ø80			
	JSMU ⁵ / ₃₂ [8]	ø20			
	JSMU ¹ / ₄ [8]	ø32			
	JSMU ⁵ / ₁₆ [8]	ø50			
	JSMU ³ / ₈ [8]	ø63			
	JSMU ¹ / ₂ [8]	ø80			

Low-flow type					
Type	Model code JSCøD-R[5]L[8](U)	Applicable cylinder tube I.D. (mm)	Type	Model code JSSøD-R[5]L[8]	Applicable cylinder tube I.D. (mm)
Elbow JSC 	JSC180-M3[5]L[8]	ø10	Free JSS 	JSS180-M3[5]L[8]	ø10
	JSC180-M5[5]L[8]	ø10		JSS180-M5[5]L[8]	ø10
	JSC2-M3[5]L[8]	ø10		JSS2-M3[5]L[8]	ø10
	JSC2-M5[5]L[8]	ø10		JSS2-M5[5]L[8]	ø10
	JSC3-M3[5]L[8]	ø10		JSS3-M3[5]L[8]	ø10
	JSC3-M5[5]L[8]	ø12		JSS3-M5[5]L[8]	ø12
	JSC4-M3[5]L[8]	ø12		JSS4-M3[5]L[8]	ø12
	JSC4-M5[5]L[8]	ø6		JSS4-M5[5]L[8]	ø6
	JSC4-01[5]L[8]	ø8		JSS4-01[5]L[8]	ø8
	JSC6-M5[5]L[8]	ø6		JSS6-M5[5]L[8]	ø6
	JSC6-01[5]L[8]	ø8		JSS6-01[5]L[8]	ø8
	JSC6-02[5]L[8]	ø16		JSS6-02[5]L[8]	ø16
	JSC8-01[5]L[8]	ø8		JSS8-01[5]L[8]	ø8
	JSC8-02[5]L[8]	ø16		JSS8-02[5]L[8]	ø16
	JSC10-02[5]L[8]	ø16		JSS10-02[5]L[8]	ø16
	JSC ¹ / ₄ -N1[5]LU	ø8			
	JSC ¹ / ₄ -N2[5]LU	ø16			

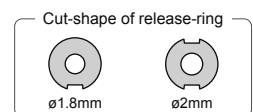
Type	Model code JSMUøDL[8]	Applicable cylinder tube I.D. (mm)
Small Union Straight JSMU 	JSMU180L[8]	ø10
	JSMU2L[8]	ø10
	JSMU3L[8]	ø12

High-flow type		
Type	Model code JSCøD-RAH[8](U)	Applicable cylinder tube I.D. (mm)
Elbow JSC 	JSC6-01AH[8]	ø40
	JSC6-02AH[8]	ø50
	JSC8-01AH[8]	ø40
	JSC8-02AH[8]	ø63
	JSC8-03AH[8]	ø80
	JSC10-02AH[8]	ø63
	JSC10-03AH[8]	ø100
	JSC12-03AH[8]	ø100
	JSC12-04AH[8]	ø100
	JSC ¹ / ₄ -02AH[8]	ø50
	JSC ¹ / ₄ -03AH[8]	ø80
	JSC ¹ / ₄ -N1AHU	ø40
	JSC ¹ / ₄ -N2AHU	ø50
	JSC ³ / ₈ -N2AHU	ø63
	JSC ³ / ₈ -N3AHU	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.
- *3. Tube dia. ø1.8 and ø2mm do not have tube size indication on release-ring. Tube size can be identified by cut-shape of release-ring.



CAD data is available
at PISCO website.



Packaging specifications
1 pc. /bag



Options

Code	[8] : -C	[8] : W	[8] : W-C
Specifications	Clean-room package	Light-gray	Light-gray + Clean-room package

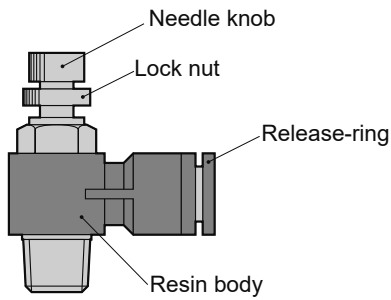
*Universal (JSM) type and High-flow type are selectable only for resin body color: Light-gray specification



Non-standard options (Details▶P.893)

- Seal rubber options(FKM, EPDM, HNBR)
- Copper free spec.
- Release ring color change (Red)
- ▶Contact us for the price.

■ How to identify similar products (Speed Controller)



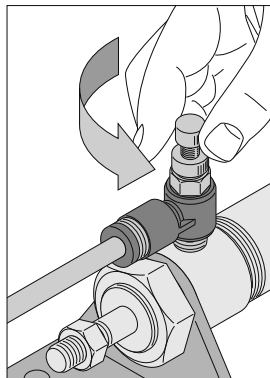
Type	Release-ring	Resin body	Lock nut		Marking on needle knob	
			Meter-out	Meter-in	Meter-out	Meter-in
Standard	Black	Black	Silver	Black	A (AK)	B (BK)
Clean-room pkg.	Light blue	Light gray				
Large-flow	Black	Black	Blue	-	AG	-
Low-flow	Black	Black	Silver	Black	AT	BT
SUS303 Equivalent Corrosivity	Dark blue	Black	Silver	Black	A	B
PP	Semitransparent	Semitransparent	Silver	Silver	A (AK)	B (BK)

* () is for low cracking pressure type.

■ How to adjust speed

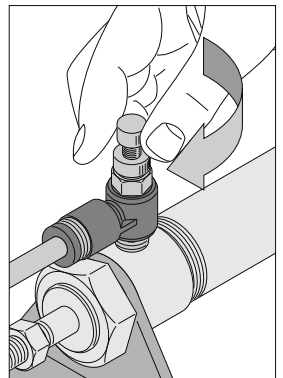
(1) Increasing speed

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.





Make to Order Production

Order Production Index

Based on the standard products, "Special specification option" on parts for matching operating environment or "Special appearance option" for matching a color for operating environment can be selected and ordered by just adding prearranged extension code of options.

*PISCO welcomes an inquiry of custom-made product, which is not listed in this catalog.
Please feel free to contact nearest PISCO office.

PISCO flexibly corresponds to non standard products that meet the needs of our customers.



Visit PISCO web site for video about Non-standard products.
<https://www.pisco.co.jp/en/product/special/>



Tube penetration type
Tube Fitting



Tube Fitting unequal
port combinations



Multiple Coupling



Bulk Packaging (Tube Fitting,
Control, Vacuum Pad)

G thread spec.



Fittings with mm size tube diameter and parallel pipe thread are available.
Contact us for inquiry.

● Applicable model

Fitting Tube Fitting, Tube Fitting Mini



Inch NPT spec.



● Applicable model

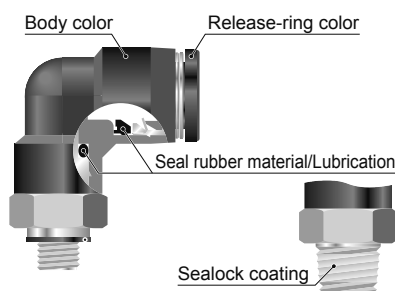
Fitting Tube Fitting, Tube Fitting Mini, Die Temperature Control Fitting, Rotary Joint, High Rotary Joint, Connector, Light Coupling

Control Speed Controller, Speed Controller Large-flow type, Orifice Flow Speed Controller, Throttle (Needle) Valve, Quick Exhaust Valve, Orifice Fitting, Pressure Regulator Push-lock type, Pressure Controller, Check Valve, Pressure Gauge

Valve Change Valve, Hand Valve, Ball Valve, Mechanical Valve



Special options



▶ Color option

Light-gray color option for resin body and release-ring.

▶ Seal rubber material option

Seal Rubber Selection: FKM, EPDM or HNBR.

▶ Oil-free option

Assembled without intentional use of oil, oil contamination into fluid medium can be prevented.

▶ ~~Non-purple option~~

~~Restraining generation of Cu ion or F ion from the product.~~

~~With this option, Check Valve and Stop Fitting, etc. do not have marking on the brass parts. Successful when piping.~~

▶ Release-ring color option

Changeable to Red Color

Non-purple spec. option will no longer be available after March 31, 2025. Please see "Discontinuation notice of Non-purple spec. option" on the last page.

Model Designation (Example)

PL6-01 (1) **W** (2) **-F** (3) **-D** (4) (5)

(1) **Model code** (See the next page for available products.)

(2) **Body color** (Resin body color)

Code	W	No code
Color	Light gray	Standard

*When light-gray (W) is selected for body color, the metric (mm) size release-ring color is light-gray even for combination with any other options (except when red release-ring is specified). The color of release-ring of inch tube dia. is always white.

(3) **Seal rubber material**

Code	-F	-E	-HN	No code
Material	FKM	EPDM (Oil-free)	HNBR	Standard seal rubber

*1. For FKM (-F) specification, the color of metric (mm) size release-ring is brown, while inch tube dia. is white. FKM (-F) specification is not available with non-purple (-P) specification.

*2. For EPDM (-E) specification, the product is assembled as oil-free specification. The color of metric (mm) release-ring is yellow.

*3. EPDM (-E) specification can not be selected for the products with M3 or M6 threads or with inch tube dia.

(4) **Lubrication**

Code	-D	-P	No code
Option	Oil-free	Non-purple	Standard

*1. The metric (mm) size release-ring color of oil-free (-D) specification is yellow, while inch tube dia. is white.

*2. The product with oil-free (-D) specification is assembled without intentional use of lubrication in standard process. Therefore the problem of reducing airtightness or increasing frictions of rubber parts may be resulted.

~~*3. Non-purple (-P) option is not available with seal rubber material FKM. No Sealock coating for Non-purple option.~~

Non-purple spec. option will no longer be available after March 31, 2025. Please see "Discontinuation notice of Non-purple spec. option" on the last page.

(5) **Release-ring color**

Code	-RR	No code
Color	Red	Standard

Reference Chart of Special Options

○: Available, ×: Not available

Product series	Standard specification						Special specification								
	Body color and Packaging/ Cleaning option	Resin body color	Release-ring color	Seal rubber material	Lubrication	Thread sealing	(1)	(2)			(3)		(4)		
							Body color	Seal rubber material			Lubrication		Release-ring color		
							Light gray	FKM	EPDM	HNBR	Oil-free option	Non-purple spec.	Red		
							W ^{*1}	-F ^{*2}	-E ^{*3}	-HN	-D ^{*4}	-F ^{*2}	-RR		
Tube fitting	Standard	Black	Black	NBR	Turbin oil		×	○ ^{*5}	○	○	○	○	○		
	Light gray	Light gray	Light gray		Standard spec.		○	○ ^{*6}			×	×			
	Clean-room pkg.	Light gray	Light blue		Fluorine-based grease		×	○	○ ^{*6}		○ ^{*6}	×		×	
	Light gray + Clean-room pkg.	Light gray	Light gray				Standard spec.		○		○				○
	Clean wash + Clean-room pkg.	Light gray	Light blue				Oil-free option		×		×				○ ^{*6}
Tube fitting Mini	Standard	Black	Black	NBR	Turbin oil		×	○ ^{*5,*10}	○ ^{*10}	○ ^{*10}	○	○	○		
	Light gray	Light gray	Light gray		Standard spec.		○ ^{*10}	○ ^{*6,*10}	○ ^{*6}		×	×			
	Clean-room pkg.	Light gray	Light blue		Fluorine-based grease			×	○ ^{*10}		○ ^{*10}			○	○
	Light gray + Clean-room pkg.	Light gray	Light gray					Standard spec.	○ ^{*10}		○ ^{*10}			○	×
Tube Fitting SUS304	Standard	Black	Dark blue	FKM	Turbin oil	Sealock coating	×	Standard spec.	○ ^{*7}	○	○ ^{*7}	×	△ ^{*17}		
Tube Fitting Stainless SUS303 equivalent corrosivity	Standard	Black	Dark blue	HNBR	Turbin oil	Sealock coating	○	○	○ ^{*7,*15}	Standard spec.	○ ^{*7}	○	○		
	Clean wash + Clean-room pkg.	Black	Dark blue		Oil-free option		×	×	○ ^{*7,*15}		Standard spec.	×			
Tube Fitting Anti-static	Standard	Black	Black	NBR	Turbin oil	Sealock coating	×	○	○ ^{*8}	○	○ ^{*8}	○	△ ^{*17}		
Tube fitting Brass	Standard	—	—	HNBR	Turbin oil	Sealock coating	×	—	×	Standard spec.	○	○	×		
				FKM				Standard spec.		—					
Tube fitting Long	Standard	—	Black	NBR	Turbin oil	Sealock coating	×	○ ^{*5}	○	○	○	○	○		
Main block	Standard	Black	Black	NBR	Turbin oil	Sealock coating	×	○ ^{*5}	○	○	△ ^{*17}	×	○		
	Light gray	Light gray	Light gray				Standard spec.	○							
Connector	Standard	Black	Black	NBR	Turbin oil	—	×	○ ^{*5}	○	○	○	×	○		
Speed controller ^{*14}	Standard	Black	Black	NBR	Turbin oil		×	○ ^{*13}	○ ^{*10}	○	△ ^{*17}	○	○		
	Light gray	Light gray	Light gray		Fluorine-based grease		Standard spec.	○	○ ^{*6,*10}			○ ^{*10,*11}		×	×
	Clean-room pkg.	Light gray	Light blue				×	○ ^{*10,*11,*12}	○ ^{*10}					×	
	Light gray + Clean-room pkg.	Light gray	Light gray				Standard spec.	○ ^{*10,*11,*12}	○ ^{*10}					×	
Speed controller SUS303 equivalent corrosivity	Standard	Black	Dark blue	HNBR	Turbin oil	Sealock coating	○	○ ^{*11,*12}	○ ^{*7}	Standard spec.	△ ^{*17}	○	○		
Needle valve	Standard	Black	Black	NBR	Turbin oil		×	○ ^{*5,*12}	○	○	△ ^{*17}	○	○		
	Light gray	Light gray	Light gray		Fluorine-based grease		Standard spec.	○ ^{*12}	○ ^{*6}			×		×	
	Clean-room pkg.	Light gray	Light blue				×		○ ^{*6}						○
	Light gray + Clean-room pkg.	Light gray	Light gray				Standard spec.		○						○
Orifice fitting	Standard	Black	Black	NBR	Turbin oil	Sealock coating	○	○	○	○	○	○ ^{*16}	○ ^{*9}		
Check valve (Metal type)	Standard	—	Black	NBR	Turbin oil	Sealock coating	×	○	×	×	△ ^{*17}	○	○		
Check valve (Resin type)		Light gray	Light gray				Standard spec.								
Check Valve for Low Operating Pressure	Standard	Light gray	Light gray	HNBR (Elastic sleeve)	Turbin oil	—	Standard spec.	○ (Elastic sleeve)	○ (Elastic sleeve)	Standard spec.	○	×	○		
				FKM (Valve packing)				Standard spec.	×	×				×	

*1. When light-gray (-W) is selected for body color, the release-ring color of metric (mm) tube dia. is light-gray even for combination with any other options, except when Red color (-RR) is selected. The color of release-ring of inch tube dia. is always white.

*2. Non-purple spec. option is not available for seal rubber material FKM.

*3. For EPDM (-E) specification of sealing material, the product is assembled as oil-free specification. The color of release-ring of metric (mm) tube size is yellow, except the combination with light-gray specification, which has light-gray release-ring. EPDM (-E) specification is not available for the products with M3 or M6 threads or inch tube dia.

*4. Release-ring color: Yellow (When with light-gray specification, the release-ring color is light-gray.)

*5. Release-ring color: Brown

*6. Release-ring color: Light-blue

*7. Release-ring color: Dark-blue

*8. Release-ring color: Black

*9. Release-ring color: Red is not available with body color Light-gray.

*10. Not available for Tube dia. ø1.8 mm and ø2 mm.

*11. Not available for Low cracking pressure type.

*12. Not available for the products with M3 thread.

*13. See *5, *10, *11 and *12.

*14. Applicable types: JSC, JSS and JSM for Standard series, JSC-H for High Flow series, JSC-L and JSS-L for Low Flow series, JKC and JKL for Constant Flow series.

*15. Gasket material for Metric thread : PPS

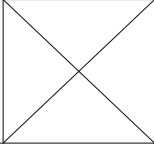
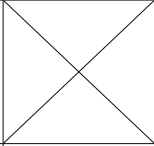
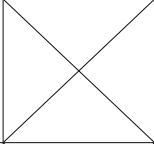
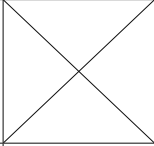
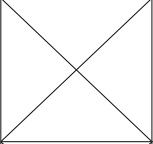
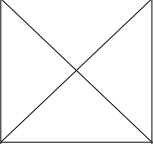
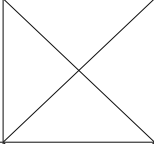
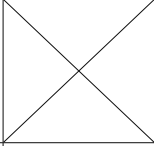
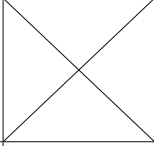
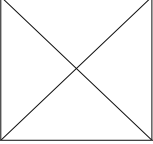
*16. Orifice bore 0.1 mm and 0.2 mm is not available.

*17. Contact us for inquiry.

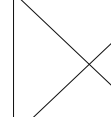
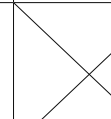
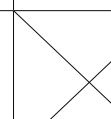
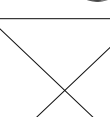
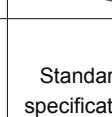
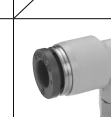
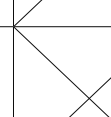
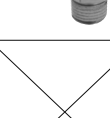
Non-purple spec. option will no longer be available after March 31, 2025. Please see "Discontinuation notice of Non-purple spec. option" on the last page.

*Consult PISCO for any inquiry of special-made product, which is not listed in this catalog.

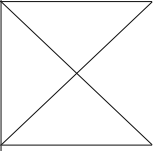
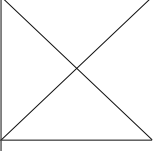
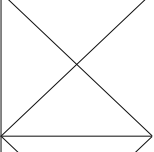
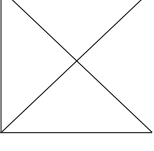
Reference Chart of Appearance Color Combination with Special Options (Fitting with Metal body)

Product series	Resin color or Option	Tube dia. size		Seal rubber material		Lubrication	Release-ring color
				-F	-E	-D	-RR
				FKM	EPDM	Oil-free option	Red
Tube fitting Tube fitting Mini	—	mm size					
		inch size					
	Light gray	mm size					
	Clean-room pkg.	mm size					
		inch size					
	Light gray + Clean-room pkg.	mm size					
Tube fitting	Clean wash + Clean-room pkg.	mm size				Standard specification	
		inch size				Standard specification	
Tube Fitting SUS304	—	mm size		Standard specification			
Tube Fitting Stainless SUS303 equivalent corrosivity	—	mm size					
	Light gray	mm size					
	Clean wash + Clean-room pkg.	mm size				Standard specification	

Reference Chart of Appearance Color Combination with Special Options (Fitting with Resin body)

Product series	Resin color or Option	Tube dia. size		Seal rubber material		Lubrication	Release-ring color	
				-F	-E	-D	-RR	
				FKM	EPDM	Oil-free option	Red	
Tube fitting Tube fitting Mini	—	mm size						
		inch size						
	Light gray	mm size						
		inch size						
	Clean-room pkg.	mm size						
		inch size						
	Light gray + Clean-room pkg.	mm size						
		inch size						
	Tube fitting	Clean wash + Clean-room pkg.	mm size				Standard specification	
			inch size				Standard specification	
Tube Fitting SUS304	—	mm size		Standard specification				
Tube Fitting Stainless SUS303 equivalent corrosivity	—	mm size						
	Light gray	mm size						
	Clean wash + Clean-room pkg.	mm size				Standard specification		

Reference Chart of Appearance Color Combination with Special Options (Controllers)

Product series	Resin color or Option	Tube dia. size		Seal rubber material		Release-ring color
				-F	-E	-RR
				FKM	EPDM	Red
Speed controller Throttle (needle) valve	—	mm size				
		inch size				
	Light gray	mm size				
		inch size				
	Clean-room pkg.	mm size				
		inch size				
	Light gray + Clean-room pkg.	mm size				

To: PISCO Distributors
Attn: To Whom It May Concern
Date: September 2024

Discontinuation notice of Non-purple spec. option

We would like to express our sincere gratitude for your continued patronage.
We would like to inform you that the Non-purple spec., which was available as Special specification option, is discontinued, and its manufacturing and sales will be terminated as of the end of March, 2025.
Thank you for your understanding.

Details

1. Discontinued option Make-to-order option, Special specification: Non-purple spec.
Model code (Ex.): PL6-01-**P**
*"P" at the end of the model code

Non-purple spec: For the Non-purple spec., fluorine ions and copper ions, which were undesirable in the manufacturing line of cathode ray tube televisions, are suppressed by not applying Sealock (fluorine-based thread sealant) to the products. Thus, Non-purple spec. is equivalent to No-Sealock spec.

- | | |
|-----------|--|
| 2. Reason | To update and expand applicable products by reviewing specifications to match the current situation. |
|-----------|--|

3. Discontinuation Date **March 31, 2025**

4. Replacement Make-to-order option, Special specification: No-Sealock spec.
Model code (Ex.): PL6-01-**NS**
*-NS" at the end of the model code
*The list price remains the same.

		Thread sealant (Sealock)	Rubber material (Std. NBR)	Gasket material (Std. NBR)	Lubrication (Std. Turbine oil)	Marking	Applicable products
Discontinued	-P: Non-purple	Not applied	Fluorine materials are not selectable.			Not available	Some models of Tube Fitting
Replacement	-NS: No-Sealock	Not applied	Fluorine materials are selectable			Available	Tube Fitting, Speed Controller, Needle Valve, Check Valve, etc.

Please make inquiries to the following sales office.

Overseas Sales Department
TEL: +81-265-76-7751 FAX: +81-265-76-3305
E-mail: intl@pisco.co.jp URL: <https://pisco.co.jp/en/>