## **Tube Fitting Mini**

Shape of the release-ring

ø1.8 mm ■ Round (A notch on it)

ø2 mm

■ Round (2 notches on it)

ø3, ø4, ø6 mm ø1/8, ø5/32, ø1/4 in.

Ultra-small push-in fitting for general pneumatic piping

#### 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

Tube O.D.

Tube O.D.

## Model Designation (Example)



- (1) Tube fitting
- (3) Tube dia. (øD, øD1, øD2)

	mm size (mm)					inch siz	e (inch)	)	
Code	180	2	3	4	6	1/8	5/32	3/16	1/4
Tube O.D.	ø1.8	ø2	ø3	ø4	ø6	ø1/8	ø5/32	ø3/16	ø1/4

thread size, select thread size from table (4).

#### (4) Thread size (R, Rc)

	Metric thread			ead Taper pipe thread		
Code	МЗ	M5	М6	01	02	03
Thread size	M3×0.5	M5×0.8	M6×1	R1/8	R1/4	R3/8

\*For different diameter union types, (4) is the tube size, which should be selected from the table in (3).

\*In case that (3) indicates

 Oval shape \*Some models have round shape

• We handle unified thread, NPT and British standard pipe thread parallel on a make-to-order basis.

	UNF thread	National pipe thread tapered				British pipe thread parallel
Code	U10MU	NOMU	NOMU N1MU N2MU N3MU			G1
Thread size	10-32UNF	NPT1/16	NPT1/8	NPT1/4	NPT3/8	G1/8

- \*1. Unified thread and National pipe thread tapered include (5) M (mini type) notation in the thread size code, so it is not necessary to enter M in the order form.
- \*2. Contact us for the price.

#### (6) Body color & Clean-room pkg. spec. (Optional)

Code	No code	-C	W	W-C
Spec.	Standard	Clean-room pkg.	Light gray	Light gray and Clean- room pkg.
Appearance spec.	03			
Release-ring color (*)	Black	Light blue	Light gray	Light gray
Resin body color	Black		Light gray	

\*Release-ring color is white for all spec. of inch-size products

\*Clean-room pkg. spec. use special cosmetic bags. Code W-C is not selectable for inch sizes



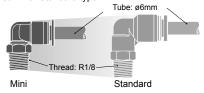


#### Characteristics

#### Down sized push-in fitting

Tube fitting Mini series is 40% smaller than the standard type Tube fitting, yet assures equivalent flow rate to Standard series

■Comparison with Standard type



Easy insertion/disconnection of a tube even with small body. Oval shaped release ring is equipped

#### Clean-room packaging type

#### Best suited for piping in clean environment.

The products are assembled with fluorine grease, washed by clean air, then packed in ISO class 6 equivalent clean-room.

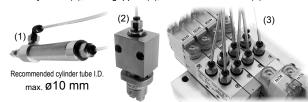
#### ø1.8 & ø2 mm size

Push-in fitting for piping with extremely thin tube. Exclusive for PISCO's tube O.D. 1.8 and tube O.D. 2 mm Polyurethane tube.

■ 18 types are available for Tube fitting shape. Corresponding to various piping method.

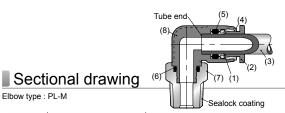
#### Best suited for piping of small actuators.

Small cylinder: (1), Small gripper: (2), Small solenoid valve (3) etc.



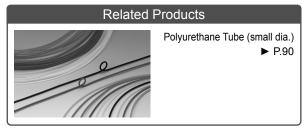
#### Specifications

Fluid medium	Air
Max. operating pressure	1.0 MPa
Max. vacuum	-100 kPa
Operating temp. range	0 to 60°C (no freezing)



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*1		
(8)	Resin body	PBT		

- \*1. Metallic body material of M3 thread is nickel-plated free cutting steel. M3 thread of tube O.D. 1.8 and 2mm is either nickel-plated free cutting steel or special stainl or ferritic).
- \*2. The gasket material of M and UNF threads is SUS304 & NBR or SPCC & NBR depending on the model as standard. (The material of cartridge PCC is POM). The gasket material of M and UNF threads for Clean-room pkg. spec. is POM as standard. Contact us for details
- \*3. The gasket material of G threads is Aluminum & PBT.



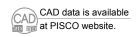
# Tube Fitting Mini

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

Model code		l code	Tymo	Mode	el code	Tymo	Model code	
Туре	PCøD-RM6	PCøD-RMU	Туре	PLøD-RM6	PLøD-RMU	- Type	PBøD-RM6	PBøD-RMU
traight	PC180-M3M6	PC <sup>1</sup> / <sub>8</sub> -U10MU	Elbow	PL180-M3M6	PL¹/8-U10MU	Branch Tee	PB180-M3M6	PB <sup>1</sup> / <sub>8</sub> -U10MU
PC	PC180-M5M6	PC <sup>1</sup> / <sub>8</sub> -N0MU	PL	PL180-M5M6	PL¹/8-N0MU	PB	PB180-M5M6	PB1/8-N0MU
øD	PC180-01M6	PC <sup>1</sup> /8-N1MU		PL180-01M6	PL¹/8-N1MU	øD	PB2-M3M6	PB <sup>1</sup> / <sub>8</sub> -N1MU
	PC2-M3M6	PC <sup>1</sup> / <sub>8</sub> -N2MU	øD 💮	PL2-M3M6	PL <sup>1</sup> / <sub>8</sub> -N2MU	ØD O	PB2-M5M6	PB <sup>1</sup> / <sub>8</sub> -N2MU
₩R	PC2-M5M6	PC5/32-U10MU	¯ <b>©</b> R	PL2-M5M6	PL <sup>5</sup> / <sub>32</sub> -U10MU	R	PB3-M3M6	PB5/32-U10MU
	PC2-01M6	PC5/32-N0MU		PL2-01M6	PL <sup>5</sup> / <sub>32</sub> -N0MU	1	PB3-M5M6	PB5/32-N0MU
	PC3-M3M6	PC <sup>5</sup> /32-N1MU		PL3-M3M6	PL <sup>5</sup> /32-N1MU	1	PB3-M6M6	PB5/32-N1MU
	PC3-M5M6	PC5/32-N2MU		PL3-M5M6	PL <sup>5</sup> / <sub>32</sub> -N2MU		PB3-01M6	PB5/32-N2MU
	PC3-M6M6	PC¹/₄-U10MU		PL3-M6M6	PL¹/₄-U10MU	1	PB4-M3M6	PB <sup>1</sup> / <sub>4</sub> -U10MU
	PC3-01M6	PC <sup>1</sup> / <sub>4</sub> -N0MU		PL3-01M6	PL¹/₄-N0MU	1	PB4-M5M6	PB1/4-N0MU
	PC4-M3M6	PC¹/₄-N1MU		PL4-M3M6	PL¹/₄-N1MU	1	PB4-M6M6	PB <sup>1</sup> / <sub>4</sub> -N1MU
	PC4-M5M6	PC¹/₄-N2MU		PL4-M5M6	PL¹/₄-N2MU		PB4-01M6	PB <sup>1</sup> / <sub>4</sub> -N2MU
	PC4-M6M6	PC¹/₄-N3MU		PL4-M6M6	PL¹/₄-N3MU	1	PB4-02M6	PB1/4-N3MU
	PC4-01M6	PC4-N1MU		PL4-01M6	PL4-U10MU	1	PB6-M5M6	
	PC4-02M6	PC6-U10MU		PL4-02M6	PL4-N0MU	1	PB6-M6M6	1
	PC6-M5M6	PC6-N1MU		PL6-M5M6	PL4-N1MU		PB6-01M6	
	PC6-M6M6			PL6-M6M6	PL6-U10MU	1	PB6-02M6	
	PC6-01M6			PL6-01M6	PL6-N1MU	=	PB6-03M6	-
	PC6-02M6			PL6-02M6		1	PB <sup>1</sup> /s-M3M6	1
	PC6-03M6			PL6-03M6			PB <sup>1</sup> / <sub>8</sub> -M5M6	
	PC <sup>1</sup> / <sub>8</sub> -M3M6			PL1/8-M3M6			PB <sup>1</sup> / <sub>8</sub> -M6M6	
	PC <sup>1</sup> / <sub>8</sub> -M5M6			PL1/8-M5M6			PB¹/s-01M6	-
	PC <sup>1</sup> / <sub>8</sub> -M6M <sup>6</sup>			PL¹/8-M6M6			PB <sup>5</sup> / <sub>32</sub> -M3M6	-
	PC¹/8-01M6			PL¹/8-01M6			PB <sup>5</sup> / <sub>32</sub> -M5M6	
	PC¹/8-02M			PL <sup>5</sup> / <sub>32</sub> -M3M6			PB5/32-M6M6	
	PC5/32-M3M6			PL <sup>5</sup> / <sub>32</sub> -M5M6			PB5/32-01M6	
	PC <sup>5</sup> / <sub>32</sub> -M5M6			PL <sup>5</sup> /32-M6M6			PB <sup>5</sup> / <sub>32</sub> -02M 6	-
	PC <sup>5</sup> / <sub>32</sub> -M6M6			PL <sup>5</sup> / <sub>32</sub> -01M6			PB¹/₄-M5M6	
	PC <sup>5</sup> / <sub>32</sub> -01M6			PL <sup>5</sup> / <sub>32</sub> -02M6		Model code	PB <sup>1</sup> / <sub>4</sub> -M6M6	-
	PC <sup>5</sup> / <sub>32</sub> -02M6			PL¹/4-M5M6		PBøD-RM	PB <sup>1</sup> / <sub>4</sub> -01M6	-
	PC <sup>1</sup> / <sub>4</sub> -M5M6		Model code	PL¹/4-M6M6		PB4-G1M	PB <sup>1</sup> /4-02M6	-
Model code	PC <sup>1</sup> / <sub>4</sub> -M6M6		PLøD-RM	PL¹/₄-01M6		PB6-G1M	PB <sup>1</sup> / <sub>4</sub> -03M6	-
PCøD-RM	PC¹/₄-01M6		PL4-G1M	PL¹/4-02M6				
C4-G1M	PC <sup>1</sup> / <sub>4</sub> -02M6		PL6-G1M	PL¹/4-03M6		Туре	Model code	
C6-G1M	PC <sup>1</sup> / <sub>4</sub> -03M6					-	PGøD <sub>1</sub> -øD <sub>2</sub> M <sub>6</sub>	
			Туре	Model code		Unequal	PG3-180M6	
Туре	Model code		.,,,,,	PVøDM6		Union Straight	PG3-2M6	-
.,,,,,	PUøDM6		Union Elbow	PV180M6		PG	PG4-180M6	-
Inion Straight	PU180M6		PV	PV2M6		ØD <sub>1</sub>	PG4-2M6	-
PU	PU2M6	1		PV3M6	1	øD <sub>2</sub>	PG4-3M6	1
øD	PU3M6			PV4M6	1	155, 5	PG6-3M6	1
øD øD	PU4M6	1	الموت ع حموا	PV6M6	1		PG6-4M6	1
0D	PU6M6	1		PV¹/sM6	1		PG¹/₄-3M	1
	PU <sup>1</sup> / <sub>8</sub> M6	1		PV <sup>5</sup> / <sub>32</sub> M6	1		PG4-1/8M6	1
	PU <sup>5</sup> / <sub>32</sub> M6	-		PV1/4M6	1		PG6-1/8M6	-
	PU <sup>1</sup> / <sub>4</sub> M6	-		· • /=/•[U]	1	┥	PG5/32-1/8M6	-
	. J /4IVIU	I.	_				PG <sup>1</sup> / <sub>4</sub> - <sup>1</sup> / <sub>8</sub> M <sup>6</sup>	-
						1	G /4- /8IVIU	1



\* "180" in Model code indicates Tube O.D. 1.8 mm.





Packaging specifications

10 pcs. /bag: Standard and Light gray spec.

 $10\ pcs.\ (individual\ packaging)\ / bag:\ Clean-room\ pkg.\ spec.\ and\ Light\ gray\ \&\ Clean-room\ pkg.\ spec.$ 

Options.

)	Code	6 : <b>-C</b>	6 : <b>W</b>	6 : W-C
	Specifications	Clean-room pkg. (Fill in 6 with "-C".)	Light gray (Fill in ⑥ with "W".)	Light gray & Clean-room pkg. (Fill in ⑥ with "W-C".)



Non-standard options (details ► P.893)

- $\cdot$  Seal rubber material options: FKM, EPDM or HNBR
- · Oil-free
- · Copper free spec.
- $\cdot \ \text{Release-ring color change (Red)}$
- ► Contact us for the price.

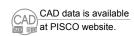
#### RoHS2 (2011/65/EU+EU2015/863) compliant

(101152 (2011/05/E0+E	EU2015/863) compliant	<u> </u>						
Type	Mode	l code	Type	Mode	el code	Туре	Mode	I code
туре	POCøD-RM6	POCøD-RMU	Туре	PLLøD-RM6	PLLøD-RMU	Туре	PLHøD-RM6	PLHøD-RMU
Inner Hex. Straight	POC180-M3M6	POC¹/8-U10MU	Long Elbow	PLL180-M3M6	PLL <sup>1</sup> /8-U10MU	45°Elbow	PLH3-M3M6	PLH5/32-U10MU
POC	POC2-M3M6	POC5/32-U10MU	PLL	PLL180-M5M6	PLL <sup>1</sup> / <sub>8</sub> -N0MU	PLH	PLH3-M5M6	PLH5/32-N1MU
øD	POC3-M3M6	POC5/32-N1MU		PLL2-M3M6	PLL <sup>1</sup> /8-N1MU	øD	PLH4-M3M6	
R	POC3-M5M6	POC <sup>3</sup> / <sub>16</sub> -U10MU	øD 🔰	PLL2-M5M6	PLL <sup>5</sup> / <sub>32</sub> -U10MU		PLH4-M5M6	
	POC3-M6M6	POC <sup>3</sup> / <sub>16</sub> -N1MU		PLL3-M3M6	PLL <sup>5</sup> / <sub>32</sub> -N0MU	R	PLH4-M6M6	
	POC4-M3M6	POC¹/₄-U10MU	R	PLL3-M5M6	PLL <sup>5</sup> / <sub>32</sub> -N1MU		PLH4-01M6	
	POC4-M5M6	POC¹/₄-N0MU		PLL3-M6M6	PLL <sup>5</sup> / <sub>32</sub> -N2MU		PLH6-M5M6	
	POC4-M6M6	POC¹/₄-N1MU		PLL3-01M6	PLL¹/₄-U10MU		PLH6-M6M6	
	POC4-01M6			PLL4-M3M6	PLL¹/₄-N0MU		PLH6-01M6	
	POC6-M5M6			PLL4-M5M6	PLL¹/₄-N1MU		PLH6-02M6	
	POC6-M6M6			PLL4-M6M6	PLL¹/₄-N2MU		PLH <sup>5</sup> / <sub>32</sub> -M3M	
	POC6-01M6			PLL4-01M6	PLL¹/₄-N3MU		PLH <sup>5</sup> / <sub>32</sub> -M5M	
	POC <sup>1</sup> / <sub>8</sub> -M3M <sup>6</sup>			PLL4-02M6			PLH5/32-M6M	
	POC <sup>1</sup> /8-M5M6			PLL6-M5M6			Mode	I code
	POC <sup>1</sup> /8-M6M6			PLL6-M6M6		Type		
	POC <sup>5</sup> / <sub>32</sub> -M3M6			PLL6-01M6			POLøD-RM6	POLøD-RMU
	POC5/32-M5M6			PLL6-02M6		Hex. Holed Banjo	POL3-M5M6	POL¹/8-U10MU
	POC5/32-M6M6			PLL6-03M6		POL	POL4-M5M6	POL5/32-U10MU
	POC <sup>5</sup> /32-01M6			PLL <sup>1</sup> /8-M3M6			POL6-M5M6	
Model code	POC <sup>3</sup> / <sub>16</sub> -M3M6			PLL <sup>1</sup> / <sub>8</sub> -M5M6		øD R	POL <sup>1</sup> / <sub>8</sub> -M5M6	
POCøD-RM	POC¹/₄-M5M6			PLL <sup>1</sup> / <sub>8</sub> -M6M6			POL <sup>5</sup> / <sub>32</sub> -M5M6	
POC4-G1M	POC <sup>1</sup> / <sub>4</sub> -M6M6			PLL <sup>1</sup> / <sub>8</sub> -01M6	_		Mode	l code
POC6-G1M	POC¹/₄-01M6			PLL <sup>5</sup> / <sub>32</sub> -M3M6		Type	POLLøD-RM6	POLLøD-RMU
_	Model code			PLL <sup>5</sup> / <sub>32</sub> -M5M6				
Туре	PCCøD-RM6			PLL5/ <sub>32</sub> -M6M6	_	Hex. Holed Long Banjo	POLL3-M5M6	POLL <sup>1</sup> / <sub>8</sub> -U10MU
Cantaidas				PLL5/ <sub>32</sub> -01M6	_	POLL &	POLLA-M5M6	POLL <sup>5</sup> / <sub>32</sub> -U10MU
Cartridge PCC	PCC3-M6M6			PLL5/32-02M6	_		POLL6-M5M6	
ØD	PCC4-M6M6			PLL¹/₄-M5M6	-	øD	POLL <sup>1</sup> / <sub>8</sub> -M5M <sup>6</sup>	
B S	PCC4-M8M6		Model code PLLøD-RM	PLL1/4-M6M6	_	R	POLL <sup>5</sup> / <sub>32</sub> -M5M <sup>6</sup>	
*The thread pitch	PCC6-M8M6 PCC1/8-M6M6	_	PLL4-G1M	PLL1/4-01M6	-	Time	Model code	
for cartridge is as below.	FCC:/8-IVIOIVIE		PLL6-G1M	PLL <sup>1</sup> / <sub>4</sub> -02M <sub>6</sub>	_	Type	PWøD1-øD2M6	
M6×0.75 M8×0.75			I LEO GIW	F LL 74-03IVI		Unequal Union Y	PW4-3M6	
IVI6~0.75			Type	Model code		1	PW6-3M6	
Туре	Mode	l code	l Type	PYøDM6		PW øDı		
Type	PCFøD-RcM6	PCFøD-RcMU	Union Y	PY180M6	-		PW4-1/8M6	
Female Straight	PCF180-M3M6	PCF <sup>1</sup> / <sub>8</sub> -U10MU	PY	PY2M6	+	ØD <sub>2</sub>	PW6-1/8M6	
PCF	PCF2-M3M6	PCF <sup>5</sup> / <sub>32</sub> -U10MU	øD	PY3M6	+	ØD2 *	PW <sup>1</sup> /s-3M6	
øD	PCF3-M3M6	PCF <sup>1</sup> / <sub>4</sub> -U10MU		PY4M6	†		PW <sup>1</sup> / <sub>4</sub> -3M	
Rc	PCF3-M5M6	PCF4-U10MU	øD	PY6M6	1		PW <sup>5</sup> / <sub>32</sub> -1/ <sub>8</sub> M6	
	PCF4-M3M6		1	PY¹/8M6	1		PW <sup>1</sup> / <sub>4</sub> - <sup>1</sup> / <sub>8</sub> M6	
	PCF4-M5M6	1		PY <sup>5</sup> / <sub>32</sub> M6	†		PW <sup>1</sup> / <sub>4</sub> - <sup>5</sup> / <sub>32</sub> M <sub>6</sub>	
	PCF6-M5M6	1		PY¹/4M6	1			
	PCF <sup>1</sup> / <sub>8</sub> -M3M6	1			1	_		
	PCF <sup>1</sup> / <sub>8</sub> -M5M6	1						
	PCF <sup>5</sup> / <sub>32</sub> -M3M6	1						
	PCF <sup>5</sup> / <sub>32</sub> -M5M6	1						
	PCF <sup>1</sup> / <sub>4</sub> -M5M6	1						
		1	1					



Notes

\* "180" in Model code indicates Tube O.D. 1.8 mm.





Packaging specifications

10 pcs. /bag: Standard and Light gray spec.

10 pcs. (individual packaging) /bag: Clean-room pkg. spec. and Light gray & Clean-room pkg. spec.



Options.

/	Code	6 : <b>-C</b>	6 : <b>W</b>	6 : W-C
	Specifications	Clean-room pkg. (Fill in ⑥ with "-C".)	Light gray (Fill in ⑥ with "W".)	Light gray & Clean-room pkg. (Fill in ⑥ with "W-C".)



Non-standard options (details ► P.893)

- Seal rubber material options: FKM, EPDM or HNBR
- · Oil-free
- · Copper free spec.
- · Release-ring color change (Red)
- ► Contact us for the price.

# Tube Fitting Mini

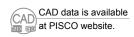
#### RoHS2 (2011/65/EU+EU2015/863) compliant

(KONS2 (2011/03/E012			1				I
Type	Mode	el code	Туре	Model code	Туре	Model code	
туре	PDøD-RM6	PDøD-RMU	Туре	PEøDM6	Туре	PZAøDM6	
	PD180-M3M6	PD¹/8-U10MU	Union Tee	PE180M6	Union Cross	PZA3M6	
PD	PD180-M5M6	PD¹/8-N0MU	PE	PE2M6	PZA	PZA4M6	
øD	PD2-M3M6	PD¹/s-N1MU	øD	PE3M6	øD ØD	PZA6M6	
	PD2-M5M6	PD¹/8-N2MU		PE4M6		PZA¹/ <sub>8</sub> M6	
ØD	PD3-M3M6	PD5/32-U10MU	ØD ØD	PE6M6	øD øD	PZA5/32M6	
	PD3-M5M6	PD5/32-N0MU		PE¹/8M6		Model and	
	PD3-M6M6	PD5/32-N1MU		PE <sup>5</sup> /32M6	Туре	Model code PZBøD <sub>1</sub> -øD <sub>2</sub> M6	
	PD3-01M6	PD <sup>5</sup> / <sub>32</sub> -N2MU		PE¹/ <sub>4</sub> M6		F Z DØD1-ØD2IVIO	
	PD4-M3M6	PD¹/₄-U10MU		Madalasada	Unequal Cross PZB  ØD  ØD  ØD2	PZB4-3M6	
	PD4-M5M6	PD <sup>1</sup> / <sub>4</sub> -N0MU	Туре	Model code PEGøD <sub>1</sub> -øD <sub>2</sub> M6		PZB6-4M6	
	PD4-M6M6	PD <sup>1</sup> / <sub>4</sub> -N1MU	-	PEGØD1-ØD2IVIO		PZB4-1/8M6	
	PD4-01M6	PD <sup>1</sup> / <sub>4</sub> -N2MU	Unequal	PEG3-180M6		PZB6-1/8M6	
	PD4-02M6	PD¹/₄-N3MU	Union Tee	PEG3-2M6	$\emptyset D_2$	PZB1/8-3M6	
	PD6-M5M6	PD6-N1MU	P	PEG3-4M6		PZB <sup>5</sup> / <sub>32</sub> -1/ <sub>8</sub> M6	
	PD6-M6M6			PEG4-3M6		Madalaada	
	PD6-01M6			PEG4-6M6		Model code PZCøD <sub>1</sub> -øD <sub>2</sub> M <sub>6</sub>	
	PD6-02M6		ØD <sub>1</sub>	PEG6-4M6		FZCØD1-ØD2IVIO	
	PD6-03M6		H	PEG4-1/8M6		PZC4-3M6	
	PD <sup>1</sup> /8-M3M6			PEG <sup>1</sup> /8- <sup>5</sup> /32M6		PZC6-4M6	
	PD <sup>1</sup> / <sub>8</sub> -M5M6	1		PEG <sup>5</sup> / <sub>32</sub> -1/ <sub>8</sub> M6		PZC4-1/8M6	
	PD1/8-M6M6			PEG <sup>5</sup> / <sub>32</sub> -1/ <sub>4</sub> M6		PZC6-1/8M6	
	PD <sup>1</sup> / <sub>8</sub> -01M6			PEG <sup>1</sup> / <sub>4</sub> - <sup>5</sup> / <sub>32</sub> M6		PZC1/8-3M6	
	PD <sup>5</sup> /32-M3M6			Madalaada		PZC <sup>5</sup> / <sub>32</sub> -1/ <sub>8</sub> M6	
	PD <sup>5</sup> / <sub>32</sub> -M5M6		Туре	Model code PWJøD <sub>2</sub> -øD <sub>1</sub> M6		Model code	
	PD5/32-M6M6			F VVJøD2-ØD1IVIO	Туре	_	
	PD5/32-01M6		Unequal	PWJ4-3M6		PMøDM6	PMøDMU
	PD <sup>5</sup> / <sub>32</sub> -02M6		Plug-in Y	PWJ6-3M6	Bulkhead Union	PM180M6	PM¹/8MU
	PD <sup>1</sup> / <sub>4</sub> -M5M6	]	PWJ øD2	PWJ6-4M6	PM	PM2M6	PM <sup>5</sup> / <sub>32</sub> MU
Model code	PD1/4-M6M6			PWJ4-1/8M6	øD	PM3M6	PM¹/₄MU
PDøD-RM	PD1/4-01M6			PWJ6-1/8M6		PM4M6	
PD4-G1M	PD1/4-02M6		øD <sub>1</sub>	PWJ <sup>5</sup> /32-1/8M6	00000	PM6M6	
PD6-G1M	PD <sup>1</sup> / <sub>4</sub> -03M6	1				PM¹/sM6	
	Madalasala					PM <sup>5</sup> / <sub>32</sub> M6	
Туре	Model code					PM <sup>1</sup> / <sub>4</sub> M6	
	PYJøDM6						
Plug-in Y	PYJ3M6	]					
PYJ	PYJ4M6						
	PYJ6M6						
	PYJ¹/8M6						
	PYJ <sup>5</sup> / <sub>32</sub> M6	1	I				



Notes

\* "180" in Model code indicates Tube O.D. 1.8 mm.





Packaging specifications

10 pcs. /bag: Standard and Light gray spec.

10 pcs. (individual packaging) /bag: Clean-room pkg. spec. and Light gray & Clean-room pkg. spec.

#### Options. Option

y	Code	6 : <b>-C</b>	6 : W	6 : W-C
	Specifications	Clean-room pkg. (Fill in 6 with "-C".)	Light gray (Fill in ⑥ with "W".)	Light gray & Clean-room pkg. (Fill in 6 with "W-C".)



Non-standard options (details ► P.893)

- · Seal rubber material options: FKM, EPDM or HNBR
- · Oil-free
- $\cdot$  Copper free spec.
- · Release-ring color change (Red)
- ► Contact us for the price.

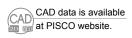
#### RoHS2 (2011/65/EU+EU2015/863) compliant

R0HS2 (2011/65/EU+E	EU2015/863) compliant				
Туре	Model code PGJøD <sub>2</sub> -øD <sub>1</sub> M6	Туре	Model code PLGJøD <sub>2</sub> -øD <sub>1</sub> M6	Туре	Model code PFM₁-M₂M6
Unequal	PGJ3-180M6	Unequal	PLGJ3-180M6	Extension	PFM5-M3M6
Plug-in Straight	PGJ3-2M6	Plug-in Elbow	PLGJ3-2M6	Screw Adapter	PF01-M3M6
PGJ	PGJ3-4M6	PLGJ	PLGJ3-4M6	PF M <sub>2</sub>	
øD <sub>2</sub>	PGJ3-6M6		PLGJ3-6M6		
	PGJ3-1/8M6	$\emptyset D_1$ $\emptyset D_2$	PLGJ3-1/8M6	M₁	
ØD <sub>1</sub>	PGJ4-180M6	0D2	PLGJ4-180M6		
	PGJ4-2M6		PLGJ4-2M6	Туре	Model code PPFøDM6
	PGJ4-3M6		PLGJ4-3M6		PPFØDIVIO
	PGJ4-6M6		PLGJ4-6M6	Сар	PPF180M6
	PGJ4-1/8M6		PLGJ4-1/8M6	PPF 🚕	PPF2M6
	PGJ6-3M6		PLGJ6-3M6	øD 🖤	PPF3M6
	PGJ6-4M6		PLGJ6-4M6		l.
	PGJ6-1/8M6		PLGJ6-1/8M6		
	PGJ6-1/4M6		PLGJ6-1/4M6		
	PGJ <sup>1</sup> /8- <sup>5</sup> /32M6		PLGJ <sup>1</sup> /8-3M6		
	PGJ <sup>1</sup> / <sub>8</sub> - <sup>1</sup> / <sub>4</sub> M6		PLGJ <sup>1</sup> /8- <sup>5</sup> /32M6		
	PGJ <sup>5</sup> / <sub>32</sub> -1/ <sub>8</sub> M6		PLGJ <sup>1</sup> /8- <sup>1</sup> /4M6		
	PGJ <sup>5</sup> / <sub>32</sub> -1/ <sub>4</sub> M6		PLGJ <sup>5</sup> / <sub>32</sub> -1/ <sub>8</sub> M6		
	PGJ <sup>3</sup> / <sub>16</sub> - <sup>1</sup> / <sub>8</sub> M6		PLGJ <sup>5</sup> / <sub>32</sub> -1/ <sub>4</sub> M6		
	PGJ <sup>3</sup> / <sub>16</sub> - <sup>5</sup> / <sub>32</sub> M6		PLGJ <sup>3</sup> / <sub>16</sub> - <sup>1</sup> / <sub>8</sub> M6		
	PGJ <sup>3</sup> / <sub>16</sub> -1/ <sub>4</sub> M6		PLGJ <sup>3</sup> / <sub>16</sub> -5/ <sub>32</sub> M6		
	PGJ <sup>1</sup> / <sub>4</sub> - <sup>1</sup> / <sub>8</sub> M6		PLGJ <sup>3</sup> / <sub>16</sub> -1/ <sub>4</sub> M6		
	PGJ <sup>1</sup> /4- <sup>5</sup> /32M6		PLGJ <sup>1</sup> / <sub>4</sub> - <sup>1</sup> / <sub>8</sub> M6		
	PGJ <sup>1</sup> / <sub>4</sub> -6M6		PLGJ <sup>1</sup> / <sub>4</sub> -5/ <sub>32</sub> M6		
			PLGJ <sup>1</sup> / <sub>4</sub> -6M6		
Туре	Model code PLJøDM6	Туре	Model code PIJøDM6		
Plug-in Elbow	PLJ3M6		1 IODDIVIO		
PLJ	PLJ4M6	Union Stem	PIJ3M6		
	PLJ6M6	PIJ	PIJ¹/8M6		
	PLJ <sup>1</sup> /8M6	6D			
øD øD	PLJ <sup>5</sup> / <sub>32</sub> M6	øD			
	PLJ <sup>3</sup> / <sub>16</sub> M6		Madalaada		
	PLJ <sup>1</sup> / <sub>4</sub> M6	Туре	Model code PPøDM6		
	Madal anda		FFØDIVIO		
Туре	Model code PLHJøDM6	Plug	PP180M6		
	LIOSEIVIO	PP	PP2M6		
45°Plug-in Elbow	PLHJ4M6	øD	PP3M6		
PLHJ	PLHJ6M6		PP1/8M6		
øD øD					



Notes

\* "180" in Model code indicates Tube O.D. 1.8 mm.





Packaging specifications

10 pcs. /bag: Standard and Light gray spec.

10 pcs. (individual packaging) /bag: Clean-room pkg. spec. and Light gray & Clean-room pkg. spec.



y	Code	6 : <b>-C</b>	6 : W	6 : W-C
	Specifications	Clean-room pkg. (Fill in 6 with "-C".)	Light gray (Fill in ⑥ with "W".)	Light gray & Clean-room pkg. (Fill in ⑥ with "W-C".)



Non-standard options (details ► P.893)

· Seal rubber material options: FKM, EPDM or HNBR

- · Oil-free
- $\cdot$  Copper free spec.
- · Release-ring color change (Red)
- ► Contact us for the price.



>>> https://www.pisco.co.jp/en/



# 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.



#### 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

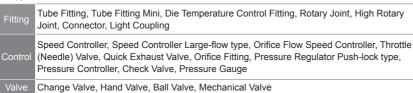


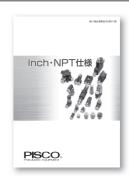




NPT

#### Applicable model





#### 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
- ▶ 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)



- (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).

#### (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	<u>_</u>	No code
Ontion	Oil-free	Non nurala	Standard

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.

- \*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.

#### (5) Release-ring color

Code	-RR	No code
Color	Red	Standard

#### Reference Chart of Special Options

○: Available, ×: Not available

Standard specification								○. Available, ∧. Not available							
		Special specification													
	Body color and	Resin	Release-	Seal			(1)		(2)			3)		(4)	
Product series	Packaging/	body	ring				Thread	Body color		ubber m		Lubri			Release-ring color
	Cleaning option	color	color	material		sealing	Light gray	FKM	EPDM	HNBR	Oil-free option	Non	<del>ourpl</del> e	Red	
	3 10 3						W*1	- <b>F</b> *2	-E*3	-HN	-D*4	-F	*2	-RR	
Tube fitting	Standard	Black	Black		Turbin oil		×	O*5	0						
	Light gray	Light gray	Light gray				Standard spec.							$\circ$	
	Clean-room pkg.	Light gray	Light blue	NBR	Fluorine-based	Sealock coating	×	0	○*6	0	○*6				
	Light gray + Clean-room pkg.		Light gray	grease	Standard spec.		0		0	] }		×			
	Clean wash + Clean-room pkg.	Light gray	Light blue		Oil-free option		×	×	○*6		Standard spec.			$\circ$	
Tube fitting Mini	Standard	Black	Black		Turbin oil		×	<u>*5,*10</u>	O*10						
	Light gray	Light gray	Light gray	NBR	Turbirroii	- Sealock coating	Standard spec.			*10		9		$\circ$	
	Clean-room pkg.	Light gray	Light blue	INDK	Fluorine-based	- Sealock coalling	×	○*10	<u>*6,*10</u>		○*6				
	Light gray + Clean-room pkg.	Light gray	Light gray		grease		Standard spec.	]	O*10		0	1		×	
Tube Fitting SUS304	Standard	Black	Dark blue	FKM	Turbin oil	Sealock coating	×	Standard spec.	O*7	0	O*7		(	△*17	
Tube Fitting Stainless SUS303	Standard	Black	Dark blue		Turbin oil		0	0	*7,*15		<b>○</b> *7				
equivalent corrosivity	Clean wash + Clean-room pkg.	Black	Dark blue	HNBR	Oil-free option	Sealock coating	×	×	7, 15	Standard spec.	Standard spec.	,	(	0	
Tube Fitting Anti-static	Standard	Black	Black	NBR		Sealock coating	×	0	<u></u> *8	0	*8			△*17	
Tube fitting Brass	<u>.</u>			HNBR				_		Standard spec.					
Ü	Standard	_	_	FKM	Turbin oil	Sealock coating	ting ×	Standard spec.		0	'   T	)	×		
Tube fitting Long	Standard	_	Black	NBR	Turbin oil	Sealock coating	×	O*5	0	0	0			0	
Main block	Standard	Black	Black	NBR	Transition will	Caalaak aaatina	×	O*5			△*17				
	Light gray	Light gray	Light gray	NBK	R Turbin oil	Turbin oii	Sealock coaling	Standard spec.	0	0	0				$\circ$
Connector	Standard	Black	Black	NBR	Turbin oil	_	×	O*5	0	0	0			0	
Speed controller*14	Standard	Black	Black		<b>-</b>		×	O*13	O *40						
	Light gray	Light gray	Light gray	NDD	Turbin oil		Standard spec.		O*10			9	)	$\circ$	
	Clean-room pkg.		Light blue	NBR	Fluorine-based	Sealock coating	×	*10,*11,*12	*6,*10	*10,*11	△*17		,		
	Light gray + Clean-room pkg.		Light gray		grease		Standard spec.	, 10, 11, 12	O*10					×	
Speed controller SUS303 equivalent corrosivity	Standard	Black	Dark blue	HNBR	Turbin oil	Sealock coating	0	O*11,*12	O*7	Standard spec.	△*17			0	
Needle valve	Standard	Black	Black				×	<u>*5,*12</u>	_						
	Light gray	Light gray	Light gray		Turbin oil		Standard spec.						)	0	
	Clean-room pkg.	<del></del>	Light blue	NBR	Fluorine-based	Sealock coating	×	O*12	<u></u>		△*17			_	
	Light gray + Clean-room pkg.		Light gray		grease		Standard spec.		0					×	
Orifice fitting	Standard	Black	Black	NBR	Turbin oil	Sealock coating	0	0	Ô	0	0		*16	<u>*</u> 9	
Check valve (Metal type)		_	Black			,	X								
Check valve (Resin type)	Standard	Light gray	Light gray	NBR	Turbin oil	Sealock coating	Standard spec.		×	×	△*17			$\circ$	
Check Valve for Low		1 - 3 3 7	-33)	HNBR				0	0						
Operating Pressure				(Elastic sleeve)				_	(Elastic sleeve)	Standard spec.					
. •	Standard	Light gray	Light gray	/ (Elastic sieeve) FKM (Valve packing)	Turbin oil	-	Standard spec.		×	×	0		K	$\bigcirc$	
							Standard spec.		(Valve packing)						
				( . arro paorarig)					( - air o paoiairg)	(.arro paoriirg)		Щ.			

<sup>\*1.</sup> 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

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.

<sup>\*3.</sup> 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.

<sup>\*4.</sup> Release-ring color: Yellow (When with light-gray specification, the release-ring color is light-gray.) \*5. Release-ring color: Brown

<sup>\*6.</sup> Release-ring color: Light-blue \*7. Release-ring color: Dark-blue

<sup>\*8.</sup> Release-ring color: Black
\*9. Release-ring color: Red is not available with body color Light-gray.

<sup>\*10.</sup> 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.

<sup>\*13.</sup> 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.

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

## Make to Order Production

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

						Lubrication Palease ring color		
Product series	Resin color	Tube dia. size		Seal rubber material -F -E		Lubrication -D	Release-ring color -RR	
Product series	or Option	Tube C	iia. size	FKM EPDM		Oil-free option	Red	
	- Sprion	mm size				Oil-life option	Ned	
	_	inch size						
Tube fitting	Light gray	mm size						
Tube fitting Mini	Clean-room pkg.	mm size						
	Cicum room pag.	inch size						
	Light gray + Clean-room pkg.	mm size						
Tube fitting	Clean wash +	mm size				Standard specification		
Tube num	Clean-room pkg.	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 o	dia. size	Seal rubbe -F FKM	er material -E EPDM	Lubrication -D Oil-free option	Release-ring color -RR Red
		mm size					
		inch size					
	Light gray	mm size				OF	0
Tube fitting Tube fitting Mini	Eight gray	inch size					
	Clean-room pkg.	mm size					0
		inch size					
	Light gray + Clean-room pkg.	mm size					
Tube fitting	Clean wash +	mm size				Standard specification	0
	Clean-room pkg.	inch size				Standard specification	
Tube Fitting SUS304	_	mm size		Standard specification			
Tube Fitting Stainless SUS303 equivalent corrosivity	-	mm size					0
	Light gray	mm size					
	Clean wash + Clean-room pkg.	mm size				Standard specification	

## Make to Order Production —

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

	Resin color			Seal rubbe	Release-ring color	
Product series	or Option	Tube o	dia. size	<b>-F</b> FKM	<b>-E</b> EPDM	-RR Red
		mm size				
		inch size				
	Light gray	mm size				
Speed controller Throttle (needle) valve		inch size				
		mm size				
	Clean-room pkg.	inch size				
	Light gray + Clean-room pkg.	mm size			0	



To: PISCO Distributers

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<u>-P</u>
\*"-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		ine materi ot selectat		Not available	Some models of Tube Fitting
Replacement	-NS: No-Sealock	Not applied	Fluor	ine materi selectabl		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/