

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.

Model Designation (Example)



- (1) Tube fitting (2) Type
(3) Tube dia. (øD, øD1, øD2)

Code	mm size (mm)					inch size (inch)			
	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

*In case that (3) indicates thread size, select thread size from table (4).

(4) Thread size (R, Rc)

Code	Metric thread			Taper pipe thread		
	M3	M5	M6	O1	O2	O3
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).

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

Code	UNF thread	National pipe thread tapered				British pipe thread parallel
	U10MU	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.

(5) Mini

(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.				
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.

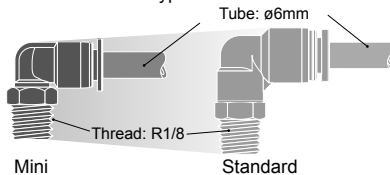


Characteristics

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.

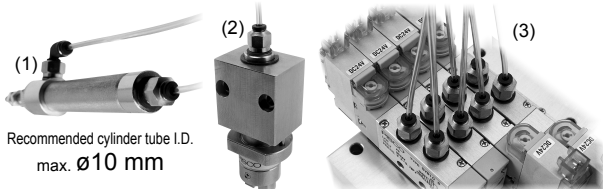
Exclusive for PISCO's tube O.D. 1.8 and tube O.D. 2 mm Polyurethane tube.

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.

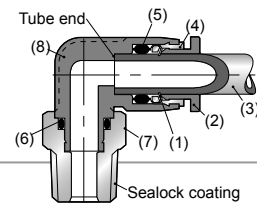


Specifications

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

Sectional drawing

Elbow type : PL-M



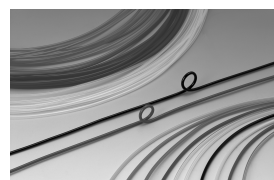
No.	Parts	Material
(1)	Lock claws	Stainless steel
(2)	Release-ring	POM
(3)	Tube	Polyurethane, Nylon, etc
(4)	Guide ring	Nickel-plated brass
(5)	Elastic sleeve	NBR
(6)	O-ring	NBR
(7)	Metallic body	Nickel-plated brass ^{*1}
(8)	Resin body	PBT

*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 stainless (Austenite 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.





Related Products



Polyurethane Tube (small dia.)
▶ P.90

Tube Fitting Mini

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

Type	Model code		Type	Model code		Type	Model code	
	PCøD-RM ^⑥	PCøD-RMU		PLøD-RM ^⑥	PLøD-RMU		PBøD-RM ^⑥	PBøD-RMU
Straight PC 	PC180-M3M ^⑥	PC ^{1/8} -U10MU	Elbow PL 	PL180-M3M ^⑥	PL ^{1/8} -U10MU	Branch Tee PB 	PB180-M3M ^⑥	PB ^{1/8} -U10MU
	PC180-M5M ^⑥	PC ^{1/8} -N0MU		PL180-M5M ^⑥	PL ^{1/8} -N0MU		PB180-M5M ^⑥	PB ^{1/8} -N0MU
	PC180-01M ^⑥	PC ^{1/8} -N1MU		PL180-01M ^⑥	PL ^{1/8} -N1MU		PB180-M3M ^⑥	PB ^{1/8} -N1MU
	PC2-M3M ^⑥	PC ^{1/8} -N2MU		PL2-M3M ^⑥	PL ^{1/8} -N2MU		PB2-M5M ^⑥	PB ^{1/8} -N2MU
	PC2-M5M ^⑥	PC ^{5/32} -U10MU		PL2-M5M ^⑥	PL ^{5/32} -U10MU		PB2-M3M ^⑥	PB ^{5/32} -U10MU
	PC2-01M ^⑥	PC ^{5/32} -N0MU		PL2-01M ^⑥	PL ^{5/32} -N0MU		PB3-M3M ^⑥	PB ^{5/32} -U10MU
	PC3-M3M ^⑥	PC ^{5/32} -N1MU		PL3-M3M ^⑥	PL ^{5/32} -N1MU		PB3-M5M ^⑥	PB ^{5/32} -N0MU
	PC3-M5M ^⑥	PC ^{5/32} -N2MU		PL3-M5M ^⑥	PL ^{5/32} -N2MU		PB3-M6M ^⑥	PB ^{5/32} -N1MU
	PC3-M6M ^⑥	PC ^{1/4} -U10MU		PL3-M6M ^⑥	PL ^{1/4} -U10MU		PB3-01M ^⑥	PB ^{5/32} -N2MU
	PC3-01M ^⑥	PC ^{1/4} -N0MU		PL3-01M ^⑥	PL ^{1/4} -N0MU		PB4-M3M ^⑥	PB ^{1/4} -U10MU
	PC4-M3M ^⑥	PC ^{1/4} -N1MU		PL4-M3M ^⑥	PL ^{1/4} -N1MU		PB4-M5M ^⑥	PB ^{1/4} -N0MU
	PC4-M5M ^⑥	PC ^{1/4} -N2MU		PL4-M5M ^⑥	PL ^{1/4} -N2MU		PB4-M6M ^⑥	PB ^{1/4} -N1MU
	PC4-M6M ^⑥	PC ^{1/4} -N3MU		PL4-M6M ^⑥	PL ^{1/4} -N3MU		PB4-01M ^⑥	PB ^{1/4} -N2MU
	PC4-01M ^⑥	PC4-N1MU		PL4-01M ^⑥	PL4-U10MU		PB4-02M ^⑥	PB ^{1/4} -N3MU
	PC4-02M ^⑥	PC6-U10MU		PL4-02M ^⑥	PL4-N0MU		PB6-M5M ^⑥	
	PC6-M5M ^⑥	PC6-N1MU		PL6-M5M ^⑥	PL4-N1MU		PB6-M6M ^⑥	
	PC6-M6M ^⑥			PL6-M6M ^⑥	PL6-U10MU		PB6-01M ^⑥	
	PC6-01M ^⑥			PL6-01M ^⑥	PL6-N1MU		PB6-02M ^⑥	
	PC6-02M ^⑥			PL6-02M ^⑥			PB6-03M ^⑥	
	PC6-03M ^⑥			PL6-03M ^⑥			PB ^{1/8} -M3M ^⑥	
	PC ^{1/8} -M3M ^⑥			PL ^{1/8} -M3M ^⑥			PB ^{1/8} -M5M ^⑥	
	PC ^{1/8} -M5M ^⑥			PL ^{1/8} -M5M ^⑥			PB ^{1/8} -M6M ^⑥	
	PC ^{1/8} -M6M ^⑥			PL ^{1/8} -M6M ^⑥			PB ^{1/8} -01M ^⑥	
	PC ^{1/8} -01M ^⑥			PL ^{1/8} -01M ^⑥			PB ^{5/32} -M3M ^⑥	
	PC ^{1/8} -02M			PL ^{1/8} -02M			PB ^{5/32} -M5M ^⑥	
	PC ^{5/32} -M3M ^⑥			PL ^{5/32} -M3M ^⑥			PB ^{5/32} -M6M ^⑥	
	PC ^{5/32} -M5M ^⑥			PL ^{5/32} -M5M ^⑥			PB ^{5/32} -01M ^⑥	
PC ^{5/32} -M6M ^⑥		PL ^{5/32} -M6M ^⑥		PB ^{5/32} -02M ^⑥				
PC ^{5/32} -01M ^⑥		PL ^{5/32} -01M ^⑥		PB ^{1/4} -M5M ^⑥				
PC ^{5/32} -02M ^⑥		PL ^{5/32} -02M ^⑥		Model code	PB ^{1/4} -M6M ^⑥			
PC ^{1/4} -M5M ^⑥		PL ^{1/4} -M5M ^⑥		PBøD-RM	PB ^{1/4} -01M ^⑥			
Model code	PC ^{1/4} -M6M ^⑥	Model code	PL ^{1/4} -M6M ^⑥	PB4-G1M	PB ^{1/4} -02M ^⑥			
PCøD-RM	PC ^{1/4} -01M ^⑥	PLøD-RM	PL ^{1/4} -01M ^⑥	PB6-G1M	PB ^{1/4} -03M ^⑥			
PC4-G1M	PC ^{1/4} -02M ^⑥	PL4-G1M	PL ^{1/4} -02M ^⑥	Type	Model code			
PC6-G1M	PC ^{1/4} -03M ^⑥	PL6-G1M	PL ^{1/4} -03M ^⑥	Unequal Union Straight	PGøD-øD ₂ M ^⑥			
Type	Model code	Type	Model code	PG 				
Union Straight	PU180M ^⑥	Union Elbow	PV180M ^⑥		PG3-180M ^⑥			
	PU2M ^⑥		PV2M ^⑥		PG3-2M ^⑥			
	PU3M ^⑥		PV3M ^⑥		PG4-180M ^⑥			
	PU4M ^⑥		PV4M ^⑥		PG4-2M ^⑥			
	PU6M ^⑥		PV6M ^⑥		PG4-3M ^⑥			
	PU ^{1/8} M ^⑥		PV ^{1/8} M ^⑥		PG4-4M ^⑥			
	PU ^{5/32} M ^⑥		PV ^{5/32} M ^⑥		PG6-3M ^⑥			
	PU ^{1/4} M ^⑥		PV ^{1/4} M ^⑥		PG6-4M ^⑥			
					PG6-3M ^⑥			
					PG6-4M ^⑥			
				PG ^{1/4} -3M				
				PG4- ^{1/8} M ^⑥				
				PG6- ^{1/8} M ^⑥				
				PG ^{5/32} - ^{1/8} M ^⑥				
				PG ^{1/4} - ^{1/8} M ^⑥				
				PG ^{1/4} - ^{5/32} M ^⑥				

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

CAD data is available
 at PISCO website.

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 : -C	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".)

Order 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

Type	Model code		Type	Model code	Type	Model code	
	PD ϕ D-RM ϕ	PD ϕ D-RMU					PE ϕ DM ϕ
Run Tee PD 	PD180-M3M ϕ	PD $\frac{1}{8}$ -U10MU	Union Tee PE 	PE180M ϕ	Union Cross PZA 	PZA3M ϕ	
	PD180-M5M ϕ	PD $\frac{1}{8}$ -N0MU		PE2M ϕ		PZA4M ϕ	
	PD2-M3M ϕ	PD $\frac{1}{8}$ -N1MU		PE3M ϕ		PZA6M ϕ	
	PD2-M5M ϕ	PD $\frac{1}{8}$ -N2MU		PE4M ϕ		PZA $\frac{1}{8}$ M ϕ	
	PD3-M3M ϕ	PD $\frac{5}{32}$ -U10MU		PE6M ϕ		PZA $\frac{5}{32}$ M ϕ	
	PD3-M5M ϕ	PD $\frac{5}{32}$ -N0MU		PE $\frac{1}{8}$ M ϕ	Type Model code PZBϕDϕ-ϕDϕMϕ		
	PD3-M6M ϕ	PD $\frac{5}{32}$ -N1MU		PE $\frac{5}{32}$ M ϕ			
	PD3-01M ϕ	PD $\frac{5}{32}$ -N2MU		PE $\frac{1}{4}$ M ϕ			
	PD4-M3M ϕ	PD $\frac{1}{4}$ -U10MU		Type Model code PEGϕDϕ-ϕDϕMϕ		Unequal Cross PZB 	PZB4-3M ϕ
	PD4-M5M ϕ	PD $\frac{1}{4}$ -N0MU					PEG3-180M ϕ
	PD4-M6M ϕ	PD $\frac{1}{4}$ -N1MU	PEG3-2M ϕ		PZB4- $\frac{1}{8}$ M ϕ		
	PD4-01M ϕ	PD $\frac{1}{4}$ -N2MU	PEG3-4M ϕ		PZB6- $\frac{1}{8}$ M ϕ		
	PD4-02M ϕ	PD $\frac{1}{4}$ -N3MU	PEG4-3M ϕ		PZB $\frac{1}{8}$ -3M ϕ		
	PD6-M5M ϕ	PD6-N1MU	Unequal Union Tee PEG 	PEG4-6M ϕ	Type Model code PZCϕDϕ-ϕDϕMϕ	PZB $\frac{5}{32}$ - $\frac{1}{8}$ M ϕ	
	PD6-M6M ϕ			PEG4-3M ϕ			
	PD6-01M ϕ			PEG4-6M ϕ			
	PD6-02M ϕ			PEG6-4M ϕ			
	PD6-03M ϕ			PEG4- $\frac{1}{8}$ M ϕ			
	PD $\frac{1}{8}$ -M3M ϕ			PEG $\frac{1}{8}$ - $\frac{5}{32}$ M ϕ	Reducing Cross PZC 	PZC4-3M ϕ	
	PD $\frac{1}{8}$ -M5M ϕ			PEG $\frac{5}{32}$ - $\frac{1}{8}$ M ϕ		PZC6-4M ϕ	
PD $\frac{1}{8}$ -M6M ϕ		PEG $\frac{5}{32}$ - $\frac{1}{4}$ M ϕ		PZC4- $\frac{1}{8}$ M ϕ			
PD $\frac{1}{8}$ -01M ϕ		PEG $\frac{1}{4}$ - $\frac{5}{32}$ M ϕ		PZC6- $\frac{1}{8}$ M ϕ			
PD $\frac{5}{32}$ -M3M ϕ				PZC $\frac{1}{8}$ -3M ϕ			
PD $\frac{5}{32}$ -M5M ϕ		Type Model code PWJϕDϕ-ϕDϕMϕ		PZC $\frac{5}{32}$ - $\frac{1}{8}$ M ϕ			
PD $\frac{5}{32}$ -M6M ϕ							
PD $\frac{5}{32}$ -01M ϕ			Type Model code PMϕDMϕ PMϕDMU				
PD $\frac{5}{32}$ -02M ϕ							
PD $\frac{1}{4}$ -M5M ϕ							
PD $\frac{1}{4}$ -M6M ϕ							
Model code PD ϕ D-RM	PD $\frac{1}{4}$ -M6M ϕ						
PD4-G1M	PD $\frac{1}{4}$ -02M ϕ						
PD6-G1M	PD $\frac{1}{4}$ -03M ϕ						
Plug-in Y PYJ 	Type Model code PYJϕDMϕ						
Unequal Plug-in Y PWJ 	Type Model code PWJ4-3Mϕ PWJ6-3Mϕ PWJ6-4Mϕ PWJ4-$\frac{1}{8}$Mϕ PWJ6-$\frac{1}{8}$Mϕ PWJ$\frac{5}{32}$-$\frac{1}{8}$Mϕ	Bulkhead Union PM 					

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

CAD CAD data is available at PISCO website.








Package
 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	ϕ : -C	ϕ : W	ϕ : W-C
Specifications	Clean-room pkg. (Fill in ϕ with "-C".)	Light gray (Fill in ϕ with "W".)	Light gray & Clean-room pkg. (Fill in ϕ with "W-C".)

Order 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.

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

Type	Model code PGJøD ₂ -øD ₁ M ^[6]	Type	Model code PLGJøD ₂ -øD ₁ M ^[6]	Type	Model code PFM ₁ -M ₂ M ^[6]							
Unequal Plug-in Straight PGJ 	PGJ3-180M ^[6]	Unequal Plug-in Elbow PLGJ 	PLGJ3-180M ^[6]	Extension Screw Adapter PF 	PFM5-M3M ^[6]							
	PGJ3-2M ^[6]		PLGJ3-2M ^[6]		PF01-M3M ^[6]							
	PGJ3-4M ^[6]		PLGJ3-4M ^[6]	<table border="1"> <thead> <tr> <th>Type</th> <th>Model code PPFøDM^[6]</th> </tr> </thead> <tbody> <tr> <td>Cap PPF</td> <td>PPF180M^[6]</td> </tr> <tr> <td></td> <td>PPF2M^[6]</td> </tr> <tr> <td></td> <td>PPF3M^[6]</td> </tr> </tbody> </table>	Type	Model code PPFøDM ^[6]	Cap PPF	PPF180M ^[6]		PPF2M ^[6]		PPF3M ^[6]
	Type		Model code PPFøDM ^[6]									
	Cap PPF		PPF180M ^[6]									
			PPF2M ^[6]									
			PPF3M ^[6]									
	PGJ3-6M ^[6]		PLGJ3-6M ^[6]									
	PGJ3-1/8M ^[6]		PLGJ3-1/8M ^[6]									
	PGJ4-180M ^[6]		PLGJ4-180M ^[6]									
	PGJ4-2M ^[6]		PLGJ4-2M ^[6]									
	PGJ4-3M ^[6]		PLGJ4-3M ^[6]									
	PGJ4-6M ^[6]		PLGJ4-6M ^[6]									
	PGJ4-1/8M ^[6]		PLGJ4-1/8M ^[6]									
	PGJ6-3M ^[6]		PLGJ6-3M ^[6]									
	PGJ6-4M ^[6]		PLGJ6-4M ^[6]									
	PGJ6-1/8M ^[6]		PLGJ6-1/8M ^[6]									
	PGJ6-1/4M ^[6]		PLGJ6-1/4M ^[6]									
	PGJ1/8-5/32M ^[6]		PLGJ1/8-3M ^[6]									
	PGJ1/8-1/4M ^[6]		PLGJ1/8-5/32M ^[6]									
PGJ5/32-1/8M ^[6]	PLGJ1/8-1/4M ^[6]											
PGJ5/32-1/4M ^[6]	PLGJ5/32-1/8M ^[6]											
PGJ3/16-1/8M ^[6]	PLGJ5/32-1/4M ^[6]											
PGJ3/16-5/32M ^[6]	PLGJ3/16-1/8M ^[6]											
PGJ3/16-1/4M ^[6]	PLGJ3/16-5/32M ^[6]											
PGJ1/4-1/8M ^[6]	PLGJ3/16-1/4M ^[6]											
PGJ1/4-5/32M ^[6]	PLGJ1/4-1/8M ^[6]											
PGJ1/4-6M ^[6]	PLGJ1/4-5/32M ^[6]											
	PLGJ1/4-6M ^[6]											
Type	Model code PLJøDM ^[6]	Type	Model code PIJøDM ^[6]									
Plug-in Elbow PLJ 	PLJ3M ^[6]	Union Stem PIJ 	PIJ3M ^[6]									
	PLJ4M ^[6]		PIJ1/8M ^[6]									
	PLJ6M ^[6]											
	PLJ1/8M ^[6]											
	PLJ5/32M ^[6]											
	PLJ3/16M ^[6]											
Type	Model code PLHJøDM ^[6]	Type	Model code PPøDM ^[6]									
45° Plug-in Elbow PLHJ 	PLHJ4M ^[6]	Plug PP 	PP180M ^[6]									
	PLHJ6M ^[6]		PP2M ^[6]									
			PP3M ^[6]									
			PP1/8M ^[6]									

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

CAD CAD data is available
 at PISCO website.

Package 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.

Option Options.

Code	[6] : -C	[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".)

Order 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.



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.



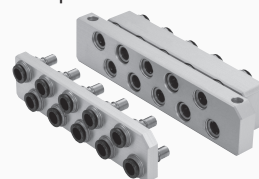
Visit PISCO web site for video about Non-standard products.
<https://www.pisco.co.jp/en/product/special/>



Tube penetration type
Tube Fitting



Tube Fitting unequal
port combinations



Multiple Coupling



Bulk Packaging (Tube Fitting,
Control, Vacuum Pad)

Make to Order Production

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.

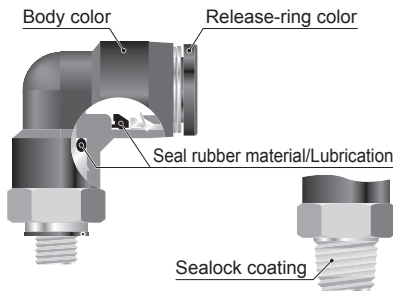


● Applicable model

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 Fe ion from the product.~~
~~With this option, Check Valve and Stop Fitting, etc. do not have marking on the lower parts. Please refer to the 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	W	-F	-D	
(1)	(2)	(3)	(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) specification is available with seal rubber material FKM. The Seal rubber selection 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)	
							Light gray	FKM	EPDM	HNBR	Oil-free option	Non-purple	Red	
							-W ^{*1}	-F ^{*2}	-E ^{*3}	-HN	-D ^{*4}	-P ^{*2}	-RR	
Tube fitting	Standard	Black	Black	NBR	Turbin oil	Sealock coating	×	○ ^{*5}	○	○	○	○	○	
	Light gray	Light gray	Light gray				Standard spec.	○	○ ^{*6}	○	○	○		
	Clean-room pkg.	Light gray	Light blue				Fluorine-based grease	×	○	○ ^{*6}	○	○	×	×
	Light gray + Clean-room pkg.	Light gray	Light gray				Oil-free option	Standard spec.	○	○	○	○	×	×
	Clean wash + Clean-room pkg.	Light gray	Light blue					×	×	○ ^{*6}	Standard spec.	○	○	
Tube fitting Mini	Standard	Black	Black	NBR	Turbin oil	Sealock coating	×	○ ^{*5,*10}	○ ^{*10}	○ ^{*10}	○	○	○	
	Light gray	Light gray	Light gray				Standard spec.	○ ^{*10}	○ ^{*6,*10}	○ ^{*10}	○	○	○	
	Clean-room pkg.	Light gray	Light blue				Fluorine-based grease	×	○ ^{*10}	○ ^{*6,*10}	○ ^{*10}	○	○	×
	Light gray + Clean-room pkg.	Light gray	Light gray				Standard spec.	○	○ ^{*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	×	×	○	○	Standard spec.	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	Sealock coating	×	○ ^{*13}	○ ^{*10}	○	△ ^{*17}	○	○	
	Light gray	Light gray	Light gray				Standard spec.	○	○ ^{*6,*10}	○ ^{*10,*11}	○	○	○	
	Clean-room pkg.	Light gray	Light blue				Fluorine-based grease	×	○ ^{*10,*11,*12}	○ ^{*10}	○	○	○	×
	Light gray + Clean-room pkg.	Light gray	Light gray				Standard spec.	○	○ ^{*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	Sealock coating	×	○ ^{*5,*12}	○	○	△ ^{*17}	○	○	
	Light gray	Light gray	Light gray				Standard spec.	○	○ ^{*6}	○	○	○	○	
	Clean-room pkg.	Light gray	Light blue				Fluorine-based grease	×	○ ^{*12}	○	○	○	○	×
	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 with 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.

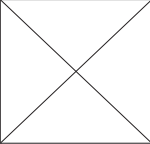



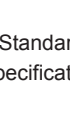




*17. Contact us for inquiry.

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.

Make to Order Production

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








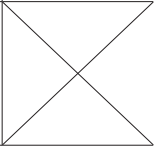







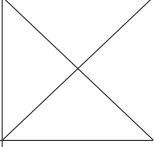







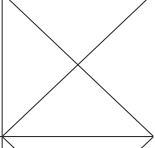
Product series	Resin color or Option	Tube dia. size		Seal rubber material		Lubrication	Release-ring color
				-F	-E	-D	-RR
				FKM	EPDM	Oil-free option	Red
Tube fitting Tube fitting Mini	-	mm size					
		inch size					
	Light gray	mm size					
		inch size					
	Clean-room pkg.	mm size					
		inch size					
	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						
	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		

Make to Order Production

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	