

Anti corrosive SUS304 Push-in fitting.

⚠ 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)

Code	4	6	8	10	12	16
Tube O.D. (mm)	ø4	ø6	ø8	ø10	ø12	ø16

(4) Thread size (R)

Code	Metric thread		British standard pipe thread tapered			
	M5	M6	01	02	03	04
Thread size	M5×0.8	M6×1	R1/8	R1/4	R3/8	R1/2

* In case that (4) indicates tube dia., select tube dia. from table (3)

(5) Metal material

SUS: SUS304

How to identify similar products

SUS304	SUS303 Equivalent Corrosivity
Guide ring With V groove	Guide ring Without V groove
With Flat groove on the hexagonal column	Without Flat groove on the hexagonal column

Characteristics

Push-in fitting that can be used in chemical atmosphere.

Best suitable where strength is required or the atmosphere contains chemicals.

Specifications

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

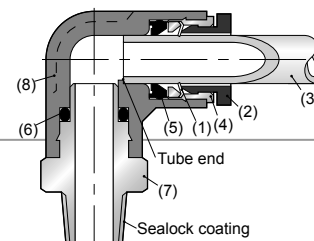
△ Warning

* Make sure to follow the instructions below when the fluid medium is water.

- When using water or liquid, the surge pressure must be kept below the maximum operating pressure.
- General tap water in Japan, free from foreign substances or contamination, can be used. Carry out the evaluation under an actual operating condition for using other kind of water.
- Be sure to use Insert Ring (WR) when using water or liquid as a fluid medium.
- As for chemicals, mixed gas, etc., they may vary depending on the conditions of use, so please check the compatibility of our specifications before use.

Sectional drawing

Elbow type : PL-SUS



No.	Parts	Material
(1)	Lock-claws	Stainless steel
(2)	Release-ring	PBT containing glass
(3)	Tube	Fluororesin (PFA), (FEP) or Polyamide, etc.
(4)	Guide-ring	SUS304
(5)	Elastic sleeve	FKM
(6)	O-ring	FKM
(7)	Metallic body	SUS304
(8)	Resin body	PBT

* The gasket of Metric thread is SUS316 + FKM.

Type	Model code PCøD-RSUS	Type	Model code PLøD-RSUS	Type	Model code PBøD-RSUS
Straight PC 	PC4-M5SUS	Elbow PL 	PL4-M5SUS	Branch Tee PB 	PB4-M5SUS
	PC4-M6SUS		PL4-M6SUS		PB4-M6SUS
	PC4-01SUS		PL4-01SUS		PB4-01SUS
	PC4-02SUS		PL4-02SUS		PB4-02SUS
	PC6-M5SUS		PL6-M5SUS		PB6-M5SUS
	PC6-M6SUS		PL6-M6SUS		PB6-M6SUS
	PC6-01SUS		PL6-01SUS		PB6-01SUS
	PC6-02SUS		PL6-02SUS		PB6-02SUS
	PC6-03SUS		PL6-03SUS		PB6-03SUS
	PC8-01SUS		PL8-01SUS		PB8-01SUS
	PC8-02SUS		PL8-02SUS		PB8-02SUS
	PC8-03SUS		PL8-03SUS		PB8-03SUS
	PC10-01SUS		PL10-01SUS		PB10-01SUS
	PC10-02SUS		PL10-02SUS		PB10-02SUS
	PC10-03SUS		PL10-03SUS		PB10-03SUS
	PC10-04SUS		PL10-04SUS		PB10-04SUS
	PC12-02SUS		PL12-02SUS		PB12-02SUS
	PC12-03SUS		PL12-03SUS		PB12-03SUS
PC12-04SUS	PL12-04SUS	PB12-04SUS			
PC16-03SUS	PL16-03SUS	PB16-03SUS			
PC16-04SUS	PL16-04SUS	PB16-04SUS			
Type	Model code PUøDSUS	Type	Model code PVøDSUS	Type	Model code PEøDSUS
Union Straight PU 	PU4SUS	Union Elbow PV 	PV4SUS	Union Tee PE 	PE4SUS
	PU6SUS		PV6SUS		PE6SUS
	PU8SUS		PV8SUS		PE8SUS
	PU10SUS		PV10SUS		PE10SUS
	PU12SUS		PV12SUS		PE12SUS
	PU16SUS		PV16SUS		PE16SUS

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

CAD data is available at PISCO website.

Package Packaging specifications 1 pc. /bag

Order Non-standard options (details ▶ P.893)
 · Seal rubber material optional (EPDM or HNBR)
 · Oil-free
 ▶ Contact us for the price.

Tube Fitting SUS304

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

Type	Model code PG ϕ D ₁ - ϕ D ₂ SUS	Type	Model code PEG ϕ D ₁ - ϕ D ₂ SUS	Type	Model code PAX ϕ D-RSUS
Unequal Union Straight PG 	PG6-4SUS PG8-6SUS PG10-8SUS PG12-10SUS PG16-12SUS	Unequal Union Tee PEG 	PEG6-4SUS PEG8-6SUS PEG10-8SUS PEG12-10SUS	Branch Elbow PAX 	PAX4-M5SUS PAX4-M6SUS PAX4-01SUS PAX4-02SUS PAX6-M5SUS PAX6-M6SUS PAX6-01SUS PAX6-02SUS PAX6-03SUS PAX8-01SUS PAX8-02SUS PAX8-03SUS PAX10-01SUS PAX10-02SUS PAX10-03SUS PAX10-04SUS PAX12-02SUS PAX12-03SUS PAX12-04SUS
Run Tee PD 	Model code PD ϕ D-RSUS	Union Y PY 	Model code PY ϕ DSUS	Double Branch Y PRX 	Model code PRX ϕ D-RSUS
Branch Y PX 	Branch Y PX PX4-M5SUS PX4-M6SUS PX4-01SUS PX4-02SUS PX6-M5SUS PX6-M6SUS PX6-01SUS PX6-02SUS PX6-03SUS PX8-01SUS PX8-02SUS PX8-03SUS PX10-01SUS PX10-02SUS PX10-03SUS PX10-04SUS PX12-02SUS PX12-03SUS PX12-04SUS	Unequal Double Y PRG 	Model code PX ϕ D-RSUS	Model code PRG ϕ D-RSUS	
Tripod Elbow PVX 	PVX4-M5SUS PVX4-M6SUS PVX4-01SUS PVX4-02SUS PVX6-M5SUS PVX6-M6SUS PVX6-01SUS PVX6-02SUS PVX6-03SUS PVX8-01SUS PVX8-02SUS PVX8-03SUS PVX10-01SUS PVX10-02SUS PVX10-03SUS PVX10-04SUS PVX12-02SUS PVX12-03SUS PVX12-04SUS	Unequal Union Y PW 	Model code PW ϕ D ₁ - ϕ D ₂ SUS	Triple Run Tee PKD 	Model code PKD ϕ D ₁ - ϕ D ₂ -RSUS
Tripod Union PVU 	PVU4SUS PVU6SUS PVU8SUS PVU10SUS PVU12SUS	Branch Union Elbow PAU 	Model code PAU ϕ DSUS	Unequal Triple Tee PKG 	Model code PKG ϕ D ₁ - ϕ D ₂ SUS
Cap PPF 	Model code PPF ϕ DSUS				

CAD data is available at PISCO website.

Packaging specifications 1 pc. /bag

Order Non-standard options (details ▶ P.893)
· Seal rubber material optional (EPDM or HNBR)
· Oil-free
▶ 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.



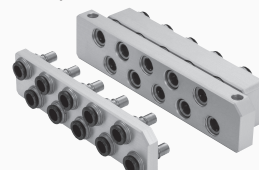
Visit PISCO web site for video about Non-standard products.
<https://www.pisco.co.jp/en/product/special/>



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.

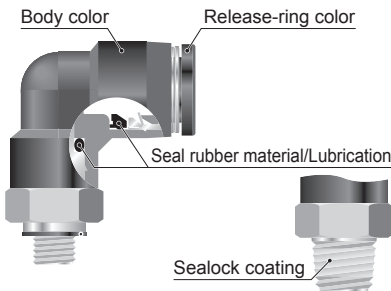


● Applicable model

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 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) 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}	○ ^{*6}	○	○
	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.


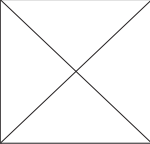
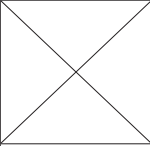





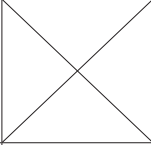




*17. Contact us for inquiry.

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)








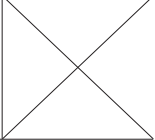







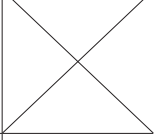







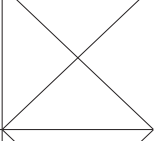



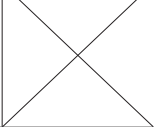
Product series	Resin color or Option	Tube dia. size		Seal rubber material		Lubrication	Release-ring color
				-F	-E	-D	-RR
				FKM	EPDM	Oil-free option	Red
Tube fitting Tube fitting Mini	-	mm size					
		inch size					
	Light gray	mm size					
		inch size					
	Clean-room pkg.	mm size					
		inch size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

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-**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
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 E-mail: intl@pisco.co.jp URL: <https://pisco.co.jp/en/>