



Push-In Fitting Type for Pneumatic Piping Tube Fitting **Standard Series**

- *Push-In Fitting for General Pneumatic Piping.*

- *Wide Variety of Products.*

- *Rotatable Resin Body after Installation.*

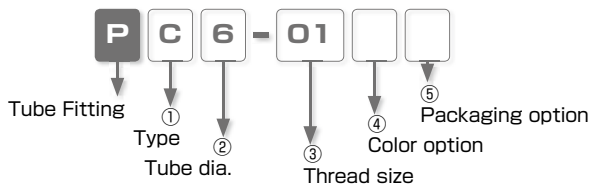
- *Centralized Piping.*

Triple type (PKD, PKG, PKJ) and twin triple type (PKVD, PKVG) are compact designed to achieve centralized piping.

- *Optional Selection of Resin Color (light-gray) and Clean-Room Package.*

Fluorine-based grease is used on O-ring for clean-room package. Products are packed in a clean room equipment to ISO class 6.

Model Designation (Example)



① Type

Code	Type	Code	Type	Code	Type	Code	Type
C	Straight	OC	Inner Hex. Straight	L	Elbow	LL	Long Elbow
LH	45° Elbow	H	Single Banjo	OL	Hex. Holed Banjo	B	Branch Tee
D	Run Tee	X	Branch Y	VX	Tripod Elbow	AX	Branch Elbow
A	Twin Banjo	RX	Double Branch Y	HW	Double Banjo	HT	Triple Banjo
AW	Double Twin Banjo	AT	Triple Twin Banjo	CF	Female Straight	MF	Bulkhead Female Straight
LF	Female Elbow	KD	Triple Run Tee	KVD	Twin Triple Run Tee	AF	Link-up Twin Banjo
HF	Link-up Banjo	U	Union Straight	E	Union Tee	V	Union Elbow
Y	Union Y	M	Bulkhead Union	MP	Bulkhead Union P	ML	Bulkhead Union Elbow
VU	Tripod Union	AU	Branch Union Elbow	ZA	Union Cross	G	Unequal Union Straight
EG	Unequal Union Tee	RG	Unequal Double Y	W	Unequal Union Y	KG	Unequal Triple Tee
KVG	Unequal Twin Triple Tee	ZB	Unequal Cross	ZC	Reducing Cross	GJ	Unequal Plug-in Straight
LJ	Plug-in Elbow	LGJ	Unequal Plug-in Elbow	LLGJ	Unequal Plug-in Long Elbow	LHJ	45° Plug-in Elbow
LLJ	Long Plug-in Elbow	YJ	Plug-in Y	WJ	Unequal Plug-in Y	KJ	Plug-in Triple Tee
RJ	Plug-in Double Y	F	Extension Screw Adaptor	FF	Unequal Screw Union	IJ	Union Stem
IG	Unequal Union Stem	TJ	PT Jack	PF	Cap	P	Plug

② Tube dia. (* In case that ② indicates thread, select thread size from table ③)

Tube dia.	mm size						inch size						
Code	4	6	8	10	12	16	5/32	3/16	1/4	5/16	3/8	1/2	5/8
Size (mm)	ø4	ø6	ø8	ø10	ø12	ø16	ø3.97	ø4.76	ø6.35	ø7.94	ø9.53	ø12.7	ø15.88

③ Thread size (* In case that ③ indicates tube dia., select tube dia. from table ②)

Thread size	Metric thread (mm)			Taper pipe thread			
Code	M5	M6	01	02	03	04	
Size	M5 × 0.8	M6 × 1	R1/8	R1/4	R3/8	R1/2	

Thread size	UNF thread (mm)	NPT thread				
Code	U10U	N1U	N2U	N3U	N4U	N0U
Size	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2	NPT1/16

* The unit of wrench size is inch (the code suffix is "U").

④ Color option ⑤ Packaging option

Code	④ : Color option		⑤ : Packaging option	
	No code	W	No code	C
Specification	Standard spec.	Light-gray spec.	Standard package	Clean-room package
Release-ring color	Black	Light-gray	④ : Selected color	Light-blue (* 1)
Resin body color	Black	Light-gray	④ : Selected color	Light-gray

* 1. When "W" is selected on ④ Color option, body color is light-gray.

* 2. Release-ring color is white for inch-size products.

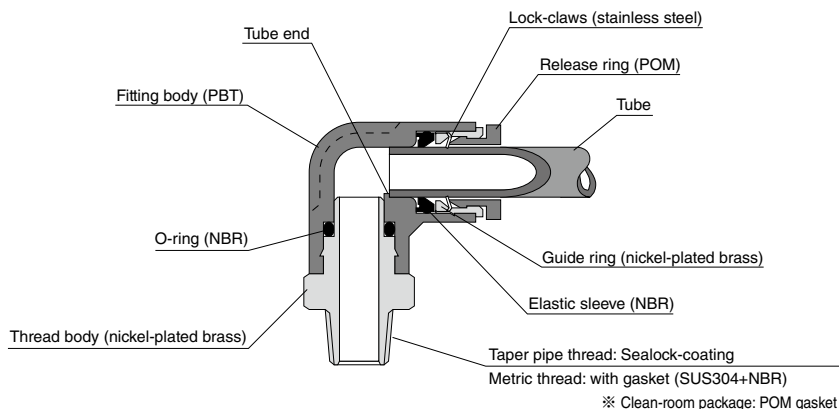
Specifications

Fluid medium	Air / Water (※)
Max. operating pressure	1.0MPa
Max. vacuum	-100kPa
Operating temp. range	0 ~ 60°C (No freezing)

△ Warning

- ※ . Make sure to follow the instructions below when the fluid medium is water.
1. Surge pressure must be controlled lower than max. operating pressure.
 2. Tap water can be used. Consult with PISCO for using other kind of water.
 3. Be sure to place Insert Ring into the tube edge when using water as a fluid medium.

Construction (Elbow: PL)



△ Detailed Safety Instructions

Before using PISCO products, be sure to read "Safetyinstructions" and "Safety Instruction Manual" on page 23 to 27 and "Common Safety Instructions for Fittings" on page 33 to 35.

Warning

1. When the fluid medium is water, do not use Tube Fitting Standard Series unless the operating environment meets all the described specifications in the catalog. Otherwise, it may cause damage to the products, the escape of tubes and a fluid leakage.

Caution (Clean-room package)

1. As for Push-In Fitting, the functional part where tube is inserted may slightly slide due to an internal pressure change and this may generate dusts. Avoid using the fitting in the clean room of ISO class from 1 to 5. Under the vibrating condition, check the amount of dust generated from the fitting and tubes, by using actual facilities.

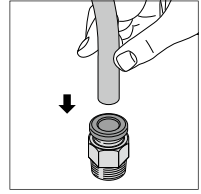
How to insert and disconnect

1. How to insert and disconnect tubes

① Tube insertion

Insert a tube into Push-In Fitting up to the tube end. Lock-claws bite the tube and fix it automatically, then the elastic sleeve seals around the tube.

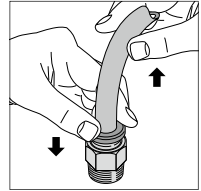
Refer to "2. Instructions for Tube Insertion" under "Common Safety Instructions for Fittings".



② Tube disconnection

The tube is disconnected by pushing release-ring to release Lock-claws.

Make sure to stop air supply before the tube disconnection.

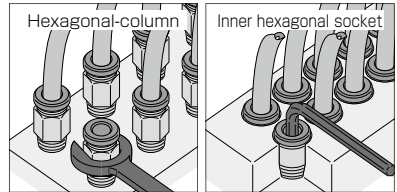


2. How to tighten thread

① Tightening thread

There are two ways to tighten thread. Use a spanner or an impact wrench for a hexagonal-column. A hex key is for an inner hexagonal socket. Inner hexagonal type can save spaces.

Refer to "Table 2: Recommended tightening torque / Sealock color / Gasket materials" under "4. Instructions for Installing a fitting" in "Common Safety Instructions for Fittings".



Applicable Tube and Related Products

Polyurethane Tube.....P.596

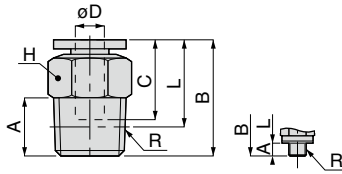
Nylon Tube.....P.608

Fluororesin Tube with clean-room package.....P.638

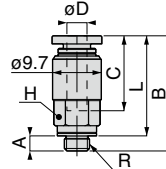
Polyurethane Tube with clean-room package.....P.642

PC Straight

RoHS compliant



Metric thread type



PC4-M50

Unit : mm



Model code	Tube O.D. øD	R	A	B	L	Tube end C	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name			
PC4-M5 ④⑤	4	M5 × 0.8	3 [3.2]	20	17 [16.8]	14.9	10	1.9	6.3	PC4-M5(※5)			
PC4-M50 ④⑤		M5 × 0.8		22.9			19.9 [19.7]		8	6.6	PC4-M50(※5)		
PC4-M6 ④⑤		M6 × 1	4	21	17		10	6.2	6.4	PC4-M6			
PC4-01 ④⑤		R1/8	8				5.3	8.3	PC4-01				
PC4-02 ④⑤		R1/4	11				5.3	16	PC4-02				
PC6-M5 ④⑤	6	M5 × 0.8	3[3.2]	22.1	19.1[18.9]	17	12	6.2	9.2	PC6-M5(※5)			
PC6-M6 ④⑤		M6 × 1		4			23.1		19.1	12	9.4	PC6-M6	
PC6-01 ④⑤		R1/8	8	22.6	18.6		14	12.5	9.3	PC6-01			
PC6-02 ④⑤		R1/4	11	24.6	18.5				18	PC6-02			
PC6-03 ④⑤		R3/8	12	23.6	17.2				17	28	PC6-03		
PC8-01 ④⑤	8	R1/8	8	27.9	23.9	18.2	14	20	16	PC8-01			
PC8-02 ④⑤		R1/4	11	26.6	20.6				24	PC8-02			
PC8-03 ④⑤		R3/8	12	23.9	17.6				17	24	PC8-03		
PC10-01 ④⑤	10	R1/8	8	30.3	26.3	20.7	17	35	22.9	PC10-01			
PC10-02 ④⑤		R1/4	11	29.8	23.8				21	21	PC10-02		
PC10-03 ④⑤		R3/8	12	29.3	23				27	27	PC10-03		
PC10-04 ④⑤		R1/2	15	30.3	22.1				21	50	PC10-04		
PC12-02 ④⑤	12	R1/4	11	35.9	29.9	23.3	21	59	35	44	PC12-02		
PC12-03 ④⑤		R3/8	12	31.9	25.6				36	36	PC12-03		
PC12-04 ④⑤		R1/2	15	33.9	25.7				50	50	PC12-04		
PC16-03 ④⑤	16	R3/8	12	39.3	33	24.8	24	83.3	58	58	PC16-03		
PC16-04 ④⑤		R1/2	15	41.3	33.1				114	66	PC16-04		
PC5/32-M5 ④⑤	5/32	M5 × 0.8	3 [3.2]	20	17 [16.8]	14.9	10	5.3	1.9	6.3	PC5/32-M5(※5)		
PC5/32-01 ④⑤		R1/8		8					17	8.3	8.3	PC5/32-01	
PC5/32-02 ④⑤		R1/4	11	15	16	16	16	16	16	PC5/32-02			
PC1/4-01 ④⑤	1/4	R1/8	8	22.6	18.6	17	14	12.5	9.1	9.1	PC1/4-01		
PC1/4-02 ④⑤		R1/4	11	24.6	18.5				18	18	PC1/4-02		
PC1/4-03 ④⑤		R3/8	12	23.6	17.2				17	27	PC1/4-03		
PC5/16-01 ④⑤	5/16	R1/8	8	27.9	23.9	18.2	14	20	16	16	PC5/16-01		
PC5/16-02 ④⑤		R1/4	11	26.6	20.6				17	17	17	17	PC5/16-02
PC5/16-03 ④⑤		R3/8	12	23.9	17.6				17	17	17	17	PC5/16-03
PC3/8-01 ④⑤	3/8	R1/8	8	30.3	26.3	20.7	17	35	23	24	PC3/8-01		
PC3/8-02 ④⑤		R1/4	11	29.8	23.8				21	21	21	PC3/8-02	
PC3/8-03 ④⑤		R3/8	12	29.3	23				27	27	27	PC3/8-03	
PC3/8-04 ④⑤		R1/2	15	30.3	22.1				21	21	21	21	PC3/8-04
PC1/2-02 ④⑤	1/2	R1/4	11	35.7	29.7	23.1	21	59	35	42	PC1/2-02		
PC1/2-03 ④⑤		R3/8	12	31.7	25.4				35	35	35	PC1/2-03	
PC1/2-04 ④⑤		R1/2	15	33.7	25.5				49	49	49	PC1/2-04	
PC5/8-03 ④⑤	5/8	R3/8	12	39.3	33	24.8	24	83.3	58	58	PC5/8-03		
PC5/8-04 ④⑤		R1/2	15	41.3	33.1				114	66	PC5/8-04		

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 3. "L" is a reference value for height dimension after tightening taper thread.
- ※ 4. Dimensions in [] are for clean-room package products
- ※ 5. Visit PISCO website for CAD data of clean-room package products.

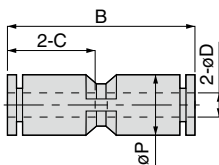
FITTING CONTROLLER VALVE TUBE MAKE-TO-ORDER PRODUCTS 44 Standard Series Mini Series Stainless Series Chemical Series PP Series EG Series Anticorrosion & Pass Series Del. Temperature Control Minimal Series Stop Fitting Series Rotary Series Twist-Proof Fitting Block and Connector Coupling Color Cap

Tube Fitting

FITTING

PU Union Straight

RoHS compliant



OP.
P.754

3D
CAD

CAD

Unit : mm

Model code	Tube O.D. ϕD	B	ϕP	Tube end C	Effective area (mm ²)	Weight (g)	CAD file name
PU4 (4) (5)	4	30.8	10	14.9	5.3	4.7	PU4
PU6 (4) (5)	6	34.9	12.5	17	12.5	6.5	PU6
PU8 (4) (5)	8	37.8	14.5	18.1	20	9.4	PU8
PU10 (4) (5)	10	43.4	17.5	20.2	35	16	PU10
PU12 (4) (5)	12	47.8	21	23.4	59	22	PU12
PU16 (4) (5)	16	49.4	25	24.1	147.6	26	PU16
PU1/4 (4) (5)	1/4	34.9	12.5	17	12.5	6.4	PU1'4
PU5/16 (4) (5)	5/16	37.8	14.5	18.1	20	9.4	PU5'16
PU3/8 (4) (5)	3/8	43.4	17.5	20.2	35	16	PU3'8
PU1/2 (4) (5)	1/2	48.4	21	23.7	69.6	21	PU1'2
PU5/8 (4) (5)	5/8	49.4	25	24.1	147.6	26	PU5'8

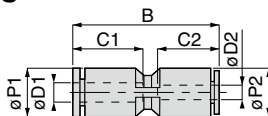
※ 1. (4) in Model code / Replaced with "W" for Light-gray color

※ 2. (5) in Model code / Replaced with "C" for Clean-room package

45

PG Unequal Union Straight

RoHS compliant



OP.
P.754

3D
CAD

CAD

Unit : mm

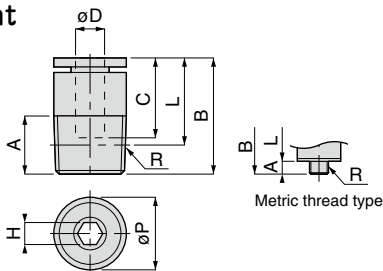
Model code	Tube O.D. $\phi D1$	Tube O.D. $\phi D2$	B	$\phi P1$	$\phi P2$	Tube end C1	Tube end C2	Effective area (mm ²)	Weight (g)	CAD file name
PG6-4 (4) (5)	6	4	34.4	12.5	12.5	17	14.9	5.3	6.4	PG6-4
PG8-4 (4) (5)	8	4	36.6	14.5	10.7	18.1	14.9	4	7.2	PG8-4
PG8-6 (4) (5)		6	37.9		14.5		17	12.5	8.8	PG8-6
PG10-6 (4) (5)	10	6	39.8	17.5	13	20.2	17	10.5	12	PG10-6
PG10-8 (4) (5)		8	43.1		17.5		18.4	20	14	PG10-8
PG12-8 (4) (5)	12	8	44	21	14.5	23.4	18.1	21.5	16	PG12-8
PG12-10 (4) (5)		10	47.6		21		20.2	35	21	PG12-10
PG12-3/8 (4) (5)		3/8			21		20.2	35	21	PG12-3'8
PG16-12 (4) (5)	16	12	49.5	25	25	24.1	23.4	88.6	27	PG16-12
PG1/4-4 (4) (5)	1/4	4	34.4	12.5	12.5	17	14.9	5.3	6.3	PG1'4-4
PG5/16-3/16 (4) (5)		3/16	38.3	14.5	14.5	18.1	17.4	5	8.8	PG5'16-3'16
PG5/16-1/4 (4) (5)	1/4	37.9	17				12.5	8.7	PG5'16-1'4	
PG3/8-5/16 (4) (5)	3/8	5/16	43.1	17.5	17.5	20.2	18.4	20	15	PG3'8-5'16
PG1/2-1/4 (4) (5)	1/2	1/4	44.4	21	14.5	23.7	17	11.5	15	PG1'2-1'4
PG1/2-5/16 (4) (5)		5/16	44.3				18.1	23	15.1	PG1'2-5'16
PG1/2-3/8 (4) (5)		3/8	47.9				20.2	50.8	21	PG1'2-3'8
PG5/8-1/2 (4) (5)	5/8	1/2	49.8	25	25	24.1	23.7	90.6	26	PG5'8-1'2

※ 1. (4) in Model code / Replaced with "W" for Light-gray color

※ 2. (5) in Model code / Replaced with "C" for Clean-room package

POC Inner Hex. Straight

RoHS compliant



Unit : mm

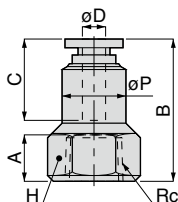
Model code	Tube O.D. ϕD	R	A	B	L	Tube end C	Hex. H	ϕP	Effective area (mm ²)	Weight (g)	CAD file name		
POC4-M5 (4)⑤	4	M5 × 0.8	3 [3.2]	19.9	16.9 [16.7]	14.9	2	9.7	2	5.6	POC4-M5(※5)		
POC4-M6 (4)⑤		M6 × 1	4	20.9	16.9		3		5.2	5.9	POC4-M6		
POC4-01 (4)⑤		R1/8	8	21	17		2.5		3.6	7.6	POC4-01		
POC6-M5 (4)⑤	6	M5 × 0.8	3 [3.2]	23	20 [19.8]	17	2	11.8	3.2	8.5	POC6-M5(※5)		
POC6-M6 (4)⑤		M6 × 1	4	22.5	18.5		3		7.4	6.9	POC6-M6		
POC6-01 (4)⑤		R1/8	8	22.6	18.6		4		11	8.1	POC6-01		
POC6-02 (4)⑤		R1/4	11	22.6	16.5							14	15
POC8-01 (4)⑤	8	R1/8	8	27.9	23.9	18.2	5	13.7	17	14	POC8-01		
POC8-02 (4)⑤		R1/4	11	26.6	20.6		6		20	15	POC8-02		
POC8-03 (4)⑤		R3/8	12	23.9	17.6							16.8	23
POC10-01 (4)⑤	10	R1/8	8	30.3	26.3	20.7	5	17.7	18.9	23	POC10-01		
POC10-02 (4)⑤		R1/4	11	29.8	23.8		6				20	28	POC10-02
POC10-03 (4)⑤		R3/8	12	29.3	23				20.8	49			
POC10-04 (4)⑤		R1/2	15	30.3	22.1		25.5				40	POC12-02	
POC12-02 (4)⑤	12	R1/4	11	35.9	29.9	23.3	6	20.8	40	34	POC12-03		
POC12-03 (4)⑤		R3/8	12	31.9	25.6		8				49	POC12-04	
POC12-04 (4)⑤		R1/2	15	33.9	25.7								75
POC16-03 (4)⑤	16	R3/8	12	39.3	33	24.8	10	26	95	73	POC16-04		
POC16-04 (4)⑤		R1/2	15	42.3	34.1		12				8	11.8	8
POC1'4-01 (4)⑤	1/4	R1/8	8	22.6	18.6	17	4	14	11	14	POC1'4-02		
POC1'4-02 (4)⑤		R1/4	11	16.5	17		4				11.8	8	POC5'16-01
POC5'16-01 (4)⑤	5/16	R1/8	8	27.9	23.9	18.2	5	13.7	17	14	POC5'16-02		
POC5'16-02 (4)⑤		R1/4	11	26.6	20.6		6				20	23	POC5'16-03
POC5'16-03 (4)⑤		R3/8	12	23.9	17.6								
POC3'8-02 (4)⑤	3/8	R1/4	11	29.8	23.8	20.7	6	17.7	20	29	POC3'8-03		
POC3'8-03 (4)⑤		R3/8	12	29.3	23						20.8	49	POC38-04
POC3'8-04 (4)⑤		R1/2	15	30.3	22.1								

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- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 3. "L" is a reference value for height dimension after tightening taper thread.
- ※ 4. Dimensions in [] are for clean-room package products
- ※ 5. Visit PISCO website for CAD data of clean-room package products.

FITTING
 CONTROLLER
 VALVE
 TUBE
 MAKE-TO-ORDER PRODUCTS
 Standard Series
 Mini Series
 Stainless Series
 Chemical Series
 PP Series
 EG Series
 Antistatic & P-static Series
 The Temperature Control
 Minimal Series
 Stop Fitting Series
 Rotary Series
 Twist-Proof Fitting
 Block and Connector
 Coupling
 Color Cap

PCF Female Straight

RoHS compliant



Unit : mm

Model code	Tube O.D. ϕD	Rc	A	B	ϕP	Tube end C	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name	
PCF4-01 ④⑤	4	Rc1/8	7	24.4	11	14.9	14	5.3	16	PCF4-01	
PCF4-02 ④⑤		Rc1/4	9.5	27.4	12		17			24	PCF4-02
PCF6-01 ④⑤	6	Rc1/8	7	26.5	13	17	14	12.5	18	PCF6-01	
PCF6-02 ④⑤		Rc1/4	9.5	29.5			17			25	PCF6-02
PCF8-01 ④⑤	8	Rc1/8	7	28	14.5	18.2	14	26	20	PCF8-01	
PCF8-02 ④⑤		Rc1/4	9.5	31	15		17			27	PCF8-02
PCF8-03 ④⑤		Rc3/8	10.5	32	15.5		21			37	PCF8-03
PCF10-02 ④⑤	10	Rc1/4	9.5	33.7	17.5	20.7	17	43	33	PCF10-02	
PCF10-03 ④⑤		Rc3/8	10.5	34.7			21			42	PCF10-03
PCF12-02 ④⑤	12	Rc1/4	9.5	35.8	20.8	23.3	21	40.7	57	PCF12-02	
PCF12-03 ④⑤		Rc3/8	10.5	36.8				71	51	PCF12-03	
PCF5/32-01 ④⑤	5/32	Rc1/8	7	24.4	11	14.9	14	5.3	16	PCF5/32-01	
PCF5/32-02 ④⑤		Rc1/4	9.5	27.4	12		17			24	PCF5/32-02
PCF1/4-01 ④⑤	1/4	Rc1/8	7	26.5	13	17	14	12.5	18	PCF1/4-01	
PCF1/4-02 ④⑤		Rc1/4	9.5	29.5			17			25	PCF1/4-02
PCF5/16-01 ④⑤	5/16	Rc1/8	7	28	14.5	18.2	14	20	20	PCF5/16-01	
PCF5/16-02 ④⑤		Rc1/4	9.5	31	15		17			27	PCF5/16-02
PCF5/16-03 ④⑤		Rc3/8	10.5	32	15.5		21			36	PCF5/16-03
PCF3/8-02 ④⑤	3/8	Rc1/4	9.5	33.7	17.5	20.7	17	43	33	PCF3/8-02	
PCF3/8-03 ④⑤		Rc3/8	10.5	34.7			21			43	PCF3/8-03

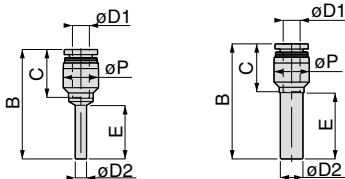
※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PGJ Unequal Plug-in Straight



RoHS compliant



PGJ4-6, PGJ6-8
PGJ8-10, PGJ10-12

Unit : mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	E	øP	Tube end C	Effective area (mm ²)	Weight (g)	CAD file name
PGJ4-6 (4) (5)	6	4	38.8	19	12.5	17	4	3.5	PGJ4-6
PGJ6-4 (4) (5)	4	6	37.7	22.3	10	14.9	5	2.9	PGJ6-4
PGJ6-8 (4) (5)	8		43.2	22.5	14.5	18.1	9.5	5.3	PGJ6-8
PGJ8-4 (4) (5)	4	8	40.2	23.3	12.5	14.9	4.5	3.8	PGJ8-4
PGJ8-6 (4) (5)	6		17			11.5	4	PGJ8-6	
PGJ8-10 (4) (5)	10		46.5	23.5	17.5	20.2	21.5	8.7	PGJ8-10
PGJ8-1/4 (4) (5)	1/4	10	40.8	23.3	12.5	17	14.5	4	PGJ8-1/4
PGJ10-4 (4) (5)	4		42.2			28.3	12.5	14.9	4.5
PGJ10-6 (4) (5)	6		43.8	17	11.5			4.5	PGJ10-6
PGJ10-8 (4) (5)	8		43.7	24.8	14.5	18.1	22.5	5.8	PGJ10-8
PGJ10-12 (4) (5)	12		51.2	24	21	23.4	34	12.9	PGJ10-12
PGJ10-1/4 (4) (5)	1/4		43.8	28.3	12.5	17	14	4.5	PGJ10-1/4
PGJ10-5/16 (4) (5)	5/16	43.7	24.2	14.5	18.1	22.5	5.8	PGJ10-5/16	
PGJ12-6 (4) (5)	6	12	48.8	33.5	14.5	17	10.5	6	PGJ12-6
PGJ12-8 (4) (5)	8		49.7			18.1	23	6.7	PGJ12-8
PGJ12-10 (4) (5)	10		50	28.8	17.5	20.2	31.5	9.6	PGJ12-10
PGJ12-1/4 (4) (5)	1/4		48.8	33.5	14.5	17	14	5.9	PGJ12-1/4
PGJ12-5/16 (4) (5)	5/16		49.7			18.1	23	6.7	PGJ12-5/16
PGJ12-3/8 (4) (5)	3/8		50	28.8	17.5	20.2	31.5	9.7	PGJ12-3/8
PGJ16-10 (4) (5)	10	16	55.2	31	21	20.2	41.3	15	PGJ16-10
PGJ16-12 (4) (5)	12		55.4			23.4	53	16	PGJ16-12
PGJ1/4-5/32 (4) (5)	5/32	1/4	37.7	22.3	10	14.9	5	3	PGJ1/4-5/32
PGJ5/16-5/32 (4) (5)	5/32	5/16	40.2	23.3	12.5	14.9	4.5	3.8	PGJ5/16-5/32
PGJ5/16-1/4 (4) (5)	1/4		40.8			17	14.5	4	PGJ5/16-1/4
PGJ3/8-1/4 (4) (5)	1/4	3/8	43.8	28.3	12.5	17	14	4.3	PGJ3/8-1/4
PGJ3/8-5/16 (4) (5)	5/16		43.7	24.8	14.5	18.1	22.5	5.6	PGJ3/8-5/16
PGJ1/2-1/4 (4) (5)	1/4	1/2	48.8	33.5	14.5	17	14	6.5	PGJ1/2-1/4
PGJ1/2-5/16 (4) (5)	5/16		49.7			18.1	23	7.3	PGJ1/2-5/16
PGJ1/2-3/8 (4) (5)	3/8		50	28.8	17.5	20.2	31.5	11	PGJ1/2-3/8

- * 1. (4) in Model code / Replaced with "W" for Light-gray color
- * 2. (5) in Model code / Replaced with "C" for Clean-room package

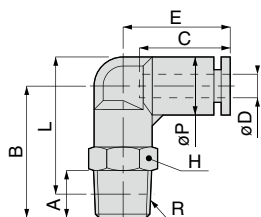
FITTING
 CONTROLLER
 VALVE
 TUBE
 MAKE-TO-ORDER PRODUCTS
 48
 Standard Series
 Mini Series
 Stainless Series
 Chemical Series
 PP Series
 EG Series
 High Pressure & Press Series
 Die Casted Metal
 Minimal Series
 Stop Fitting Series
 Rotary Series
 Twist-Proof Fitting
 Block and Connector
 Coupling
 Color Cap

Tube Fitting

FITTING

PL Elbow

RoHS compliant



Metric thread type

Unit : mm

Model code	Tube O.D. ϕD	R	A	B	L	ϕP	Tube end C	E	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name			
PL4-M5 (4)⑤	4	M5×0.8	3 [3.2]	20.3	22.3 [22.1]	10	14.9	18	10	1.5	8	PL4-M5(#6)			
PL4-M6 (4)⑤		M6×1	4	21.3	22.3						8.3	PL4-M6			
PL4-01 (4)⑤		R1/8	8	23.3	24.3					4.2	11	PL4-01			
PL4-02 (4)⑤		R1/4	11	26.3	25.3						21	PL4-02			
PL6-M5 (4)⑤	6	M5×0.8	3 [3.2]	22	25.3 [25.1]	12.5	16.8	19.8	12	1.5	13	PL6-M5(#6)			
PL6-M6 (4)⑤		M6×1	4	23	25.3					6.1	13	PL6-M6			
PL6-01 (4)⑤		R1/8	8	25	27.3					10	14	14	14	14	PL6-01
PL6-02 (4)⑤		R1/4	11	28	28.2						22	14	22	14	22
PL6-03 (4)⑤	R3/8	12	29.8	29.7	35	17	17	35	17	35	PL6-03				
PL8-01 (4)⑤*	8	R1/8	8	28	31.3	14.5	18.1	22.7	14	16.5	19	PL8-01			
PL8-02 (4)⑤*		R1/4	11	31	32.2						24	PL8-02			
PL8-03 (4)⑤*		R3/8	12	32.8	33.7						37	PL8-03			
PL10-01 (4)⑤	10	R1/8	8	33	37.8	17.5	20.2	26.2	17	22.4	31	PL10-01			
PL10-02 (4)⑤*		R1/4	11	36	38.7						34	PL10-02			
PL10-03 (4)⑤*		R3/8	12	37	39.4					30	43	PL10-03			
PL10-04 (4)⑤		R1/2	15	40	40.6						65	PL10-04			
PL12-02 (4)⑤	12	R1/4	11	38	42.5	21	23.4	29.4	21	30	51	PL12-02			
PL12-03 (4)⑤		R3/8	12	39	43.2					47	52	PL12-03			
PL12-04 (4)⑤		R1/2	15	42	44.3						67	PL12-04			
PL16-03 (4)⑤	16	R3/8	11	47	53.2	25	24.1	33.1	22	80.2	74	PL16-03			
PL16-04 (4)⑤		R1/2	15	51	55.3					93.3	79	PL16-04			

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

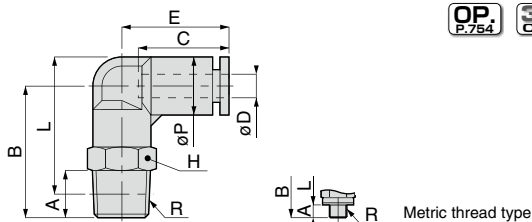
※ 3. "L" is a reference value for height dimension after tightening taper thread.

※ 4. Space saving types are available for model codes with * mark. See page 760.

※ 5. Dimensions in [] are for clean-room package products

※ 6. Visit PISCO website for CAD data of clean-room package products.

Elbow (Inch size)



Unit : mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	E	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name	
PL5/32-M5(4)⑤	5/32	M5×0.8	3 [3.2]	20.3	22.3 [22.1]	10	14.9	18	10	1.5	8	PL5'32-M5(※5)	
PL5/32-01(4)⑤		R1/8	8	23.3	24.3							11	PL5'32-01
PL5/32-02(4)⑤		R1/4	11	26.3	25.3							21	PL5'32-02
PL3/16-M5(4)⑤	3/16	M5×0.8	3 [3.2]	22	25.3 [25.1]	12.5	17.2	20.2	12	2.2	12	PL3'16-M5(※5)	
PL3/16-01(4)⑤		R1/8	8	25	27.3							14	PL3'16-01
PL3/16-02(4)⑤		R1/4	11	28	28.2							22	PL3'16-02
PL1/4-M5(4)⑤	1/4	M5×0.8	3 [3.2]	22	25.3 [25.1]	12.5	16.8	19.8	12	10	2.2	PL1'4-M5(※5)	
PL1/4-01(4)⑤		R1/8	8	25	27.3							14	PL1'4-01
PL1/4-02(4)⑤		R1/4	11	28	28.2				22			PL1'4-02	
PL1/4-03(4)⑤		R3/8	12	29.8	29.7				35			PL1'4-03	
PL5/16-01(4)⑤	5/16	R1/8	8	28	31.3	14.5	18.1	22.7	14	16.5	19	PL5'16-01	
PL5/16-02(4)⑤		R1/4	11	31	32.2							24	PL5'16-02
PL5/16-03(4)⑤		R3/8	12	32.8	33.7							37	PL5'16-03
PL3/8-01(4)⑤	3/8	R1/8	8	33	37.8	17.5	20.2	26.2	17	22.4	31	PL3'8-01	
PL3/8-02(4)⑤		R1/4	11	36	38.7							34	PL3'8-02
PL3/8-03(4)⑤		R3/8	12	37	39.4				30			43	PL3'8-03
PL3/8-04(4)⑤		R1/2	15	40	40.6				65			67	PL3'8-04
PL1/2-02(4)⑤	1/2	R1/4	11	38	42.5	21	23.7	29.7	21	30	50	PL1'2-02	
PL1/2-03(4)⑤		R3/8	12	39	43.2							51	PL1'2-03
PL1/2-04(4)⑤		R1/2	15	42	44.3							67	PL1'2-04
PL5/8-03(4)⑤	5/8	R3/8	11	47	53.2	25	24.1	33.1	22	80.2	74	PL5'8-03	
PL5/8-04(4)⑤		R1/2	15	51	55.3							93.3	79

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 3. "L" is a reference value for height dimension after tightening taper thread.
- ※ 4. Dimensions in [] are for clean-room package products
- ※ 5. Visit PISCO website for CAD data of clean-room package products.

FITTING
 CONTROLLER
 VALVE
 TUBE
 MAKE-TO-ORDER PRODUCTS
 Standard Series
 Mini Series
 Stainless Series
 Chemical Series
 PP Series
 EG Series
 Anticorrosion & Pores Series
 The Compressed Control
 Minimal Series
 Stop Fitting Series
 Rotary Series
 Twist-Proof Fitting
 Block and Connector
 Coupling
 Color Cap

50

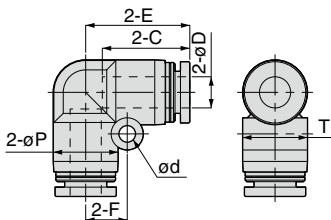


Tube Fitting

FITTING

PV Union Elbow

RoHS compliant



OP P.754

3D CAD

CAD

Unit : mm

Model code	Tube O.D. øD	øP	Tube end C	E	ød	F	T	Effective area (mm ²)	Weight (g)	CAD file name
PV4④⑤	4	10	14.9	16.9	3.2	6.5	10	4.2	5.1	PV4
PV6④⑤	6	12.5	16.9	20.1	3.2	8	12.5	10	7.3	PV6
PV8④⑤	8	15	18.1	22.4	4.2	10	15.6	16.5	11	PV8
PV10④⑤	10	17.5	20.7	26.2	4.2	12	18.2	30	17	PV10
PV12④⑤	12	21	23.4	29.4	4.2	14	21.7	47	25	PV12
PV16④⑤	16	25	24.1	33.1	4.2	12	25.6	91.6	31	PV16
PV1/4④⑤	1/4	12.5	16.9	20.1	3.2	8	12.5	10	7.1	PV1'4
PV5/16④⑤	5/16	15	18.1	22.4	4.2	10	15.6	16.5	11	PV5'16
PV3/8④⑤	3/8	17.5	20.7	26.2	4.2	12	18.2	30	18	PV3'8

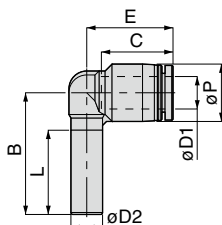
※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

51

PLJ Plug-in Elbow

RoHS compliant



OP P.754

3D CAD

CAD

Unit : mm

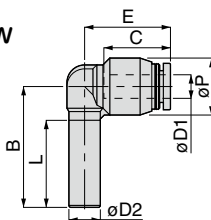
Model code	Tube O.D. øD1	Tube dia. øD2	B	L	øP	Tube end C	E	Effective area (mm ²)	Weight (g)	CAD file name
PLJ4④⑤	4	4	25	18.5	10	14.9	16.8	3	2.7	PLJ4
PLJ6④⑤	6	6	28.5	21	12.5	17	19.8	8	3.9	PLJ6
PLJ8④⑤	8	8	30.7	22	14.5	18.1	21.8	17	5.7	PLJ8
PLJ10④⑤	10	10	33.7	23.5	17.5	20.2	24.9	25.5	9.6	PLJ10
PLJ12④⑤	12	12	39	26.5	21	23.4	28.9	36	15	PLJ12
PLJ16④⑤	16	16	45	31	25	24.1	38.1	81	23	PLJ16
PLJ5/32④⑤	5/32	5/32	25	18.5	10	14.9	16.8	3	2.7	PLJ5'32
PLJ1/4④⑤	1/4	1/4	28.5	21	12.5	17	19.8	8	4	PLJ1'4
PLJ5/16④⑤	5/16	5/16	30.7	22	14.5	18.1	21.8	17	5.7	PLJ5'16
PLJ3/8④⑤	3/8	3/8	33.7	23.5	17.5	20.2	24.9	25.5	9.5	PLJ3'8
PLJ1/2④⑤	1/2	1/2	39	26.5	21	23.7	29.2	36	15	PLJ1'2

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PLGJ Unequal Plug-in Elbow

RoHS compliant



Unit : mm

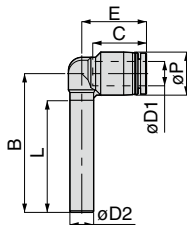
Model code	Tube O.D. øD1	Tube dia. øD2	B	L	øP	Tube end C	E	Effective area (mm ²)	Weight (g)	CAD file name
PLGJ6-4④⑤	4	6	28.5	21	12.5	14.9	17.7	4.5	3.6	PLGJ6-4
PLGJ8-4④⑤	4	8	30.7	22	14.5	14.9	21.3	5	5	PLGJ8-4
PLGJ8-6④⑤	6	8	30.7	22	14.5	17	21.9	9.5	5.2	PLGJ8-6
PLGJ10-6④⑤	6	10	33.7	23.5	17.5	17	24.7	9.5	7.5	PLGJ10-6
PLGJ10-8④⑤	8	10	33.7	23.5	17.5	18.1	24.6	18.5	8	PLGJ10-8
PLGJ12-8④⑤	8	12	39	26.5	21	18.1	28.4	19	13	PLGJ12-8
PLGJ12-10④⑤	10	12	39	26.5	21	20.2	28.7	29	14	PLGJ12-10
PLGJ16-12④⑤	12	16	45	31	25	23.4	38.2	54	26	PLGJ16-12
PLGJ1'4-5'32④⑤	5/32	1/4	28.5	21	12.5	14.9	17.7	4.5	3.7	PLGJ1'4-5'32
PLGJ1'4-3'16④⑤	3/16	1/4	28.5	21	12.5	17.4	20.2	4.5	4.2	PLGJ1'4-3'16
PLGJ1'4-6④⑤	6	1/4	28.5	21	12.5	17	19.8	8	4	PLGJ1'4-6
PLGJ5'16-3'16④⑤	3/16	5/16	30.7	22	14.5	17.4	22.3	5	5.3	PLGJ5'16-3'16
PLGJ5'16-1'4④⑤	1/4	5/16	30.7	22	14.5	17	21.9	9.5	5.1	PLGJ5'16-1'4
PLGJ3'8-1'4④⑤	1/4	3/8	33.7	23.5	17.5	17	24.7	9.5	7.3	PLGJ3'8-1'4
PLGJ3'8-5'16④⑤	5/16	3/8	33.7	23.5	17.5	18.1	24.6	18.5	7.8	PLGJ3'8-5'16
PLGJ1'2-5'16④⑤	5/16	1/2	39	26.5	21	18.1	28.4	19	13	PLGJ1'2-5'16
PLGJ1'2-3'8④⑤	3/8	1/2	39	26.5	21	20.2	28.7	29	15	PLGJ1'2-3'8
PLGJ1'2-12④⑤	12	1/2	39	26.5	21	23.4	28.9	36	15	PLGJ1'2-12

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PLLJ Long Plug-in Elbow

RoHS compliant



Unit : mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	L	øP	Tube end C	E	Effective area (mm ²)	Weight (g)	CAD file name
PLLJ4④⑤	4	4	36	29.5	10	14.9	16.8	3	2.8	PLLJ4
PLLJ6④⑤	6	6	42	34.5	12.5	17	19.8	7.5	4.2	PLLJ6
PLLJ8④⑤	8	8	46.7	38	14.5	18.1	21.8	16	6.2	PLLJ8
PLLJ10④⑤	10	10	51.7	41.5	17.5	20.2	24.9	25	11	PLLJ10
PLLJ12④⑤	12	12	59.5	47	21	23.4	28.9	35.5	16	PLLJ12
PLLJ5'32④⑤	5/32	5/32	36	29.5	10	14.9	16.8	3	2.8	PLLJ5'32
PLLJ1'4④⑤	1/4	1/4	42	34.5	12.5	17	19.8	7.5	4.3	PLLJ1'4
PLLJ5'16④⑤	5/16	5/16	46.7	38	14.5	18.1	21.8	16	6.2	PLLJ5'16
PLLJ3'8④⑤	3/8	3/8	51.7	41.5	17.5	20.2	24.9	25	11	PLLJ3'8
PLLJ1'2④⑤	1/2	1/2	59.5	47	21	23.7	29.2	35.5	17	PLLJ1'2

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package



Page for special specifications



3D CAD data is available at PISCO website.



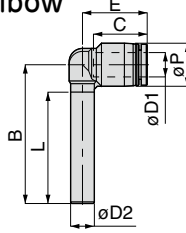
CAD data is available at PISCO website.

Tube Fitting

PLLGJ Unequal Plug-in Long Elbow

FITTING

RoHS compliant



OP.
P.754

3D
CAD

CAD

Unit : mm

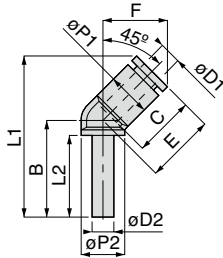
Model code	Tube O.D. øD1	Tube dia. øD2	B	L	øP	Tube end C	E	Effective area (mm ²)	Weight (g)	CAD file name
PLLJ6-4④⑤	4	6	42	34.5	12.5	14.9	17.7	4	3.9	PLLJ6-4

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PLHJ 45° Plug-in Elbow

RoHS compliant



OP.
P.754

3D
CAD

CAD

Unit : mm

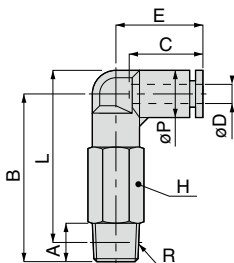
Model code	Tube O.D. øD1	Tube dia. øD2	B	øP1	øP2	Tube end C	L1	L2	E	F	Effective area (mm ²)	Weight (g)	CAD file name
PLHJ8④⑤	8	8	37.5	14.5	14.5	18.1	56.9	23.2	20.7	19.4	20	7.8	PLHJ8
PLHJ10④⑤	10	10	42.2	17.5	17.5	20.2	65	25	24	22.8	28	13	PLHJ10
PLHJ12④⑤	12	12	49.5	21	21	23.4	77.1	28.5	29.4	27.6	39	20	PLHJ12
PLHJ16④⑤	16	16	56.5	25	25	24.1	85.5	31	29.8	29	93	32	PLHJ16

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PLL Long Elbow

RoHS compliant



Metric thread type

Unit : mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	E	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name
PLL4-M5 (4)⑤	4	M5 × 0.8	3 [3.2]	32.3	34.3 [34.1]	10	14.9	18	10	1.5	8.4	PLL4-M5(≠5)
PLL4-01 (4)⑤		R1/8	8	35.3	36.3				4.2	17	PLL4-01	
PLL4-02 (4)⑤		R1/4	11	38.3	37.3				14	4.2	34	PLL4-02
PLL6-01 (4)⑤	6	R1/8	8	38	40.3	12.5	16.8	19.8	12	10	26	PLL6-01
PLL6-02 (4)⑤		R1/4	11	41	41.2				14		39	PLL6-02
PLL6-03 (4)⑤		R3/8	12	43.3	43.2				17	9.5	62	PLL6-03
PLL8-01 (4)⑤	8	R1/8	8	43.5	46.8	14.5	18.1	22.7	14	16.5	37	PLL8-01
PLL8-02 (4)⑤		R1/4	11	46.5	47.7				43		PLL8-02	
PLL8-03 (4)⑤		R3/8	12	48.3	49.2				17	17.8	66	PLL8-03
PLL10-02 (4)⑤	10	R1/4	11	54.5	57.2	17.5	20.2	26.2	17	30	65	PLL10-02
PLL10-03 (4)⑤		R3/8	12	55.5	57.9				74		PLL10-03	
PLL10-04 (4)⑤		R1/2	15	60	60.6				21	32.1	121	PLL10-04
PLL12-02 (4)⑤	12	R1/4	11	60	64.5	21	23.4	29.4	21	39.1	112	PLL12-02
PLL12-03 (4)⑤		R3/8	12	61	65.2					44	107	PLL12-03
PLL12-04 (4)⑤		R1/2	15	64	66.3					54.2	123	PLL12-04
PLL5/32-01 (4)⑤	5/32	R1/8	8	35.3	36.3	10	14.9	18	10	4.2	17	PLL5/32-01
PLL5/32-02 (4)⑤		R1/4	11	38.3	37.3				14		34	PLL5/32-02
PLL3/16-01 (4)⑤	3/16	R1/8	8	38	40.3	12.5	17.2	20.2	12	5.2	26	PLL3/16-01
PLL3/16-02 (4)⑤		R1/4	11	41	41.2				14		39	PLL3/16-02
PLL1/4-01 (4)⑤	1/4	R1/8	8	38	40.3	12.5	16.8	19.8	12	10	26	PLL1/4-01
PLL1/4-02 (4)⑤		R1/4	11	41	41.2				14		39	PLL1/4-02
PLL1/4-03 (4)⑤		R3/8	12	43.3	43.2				17	9.5	61	PLL1/4-03
PLL5/16-01 (4)⑤	5/16	R1/8	8	43.5	46.8	14.5	18.1	22.7	14	16.5	37	PLL5/16-01
PLL5/16-02 (4)⑤		R1/4	11	46.5	47.7				43		PLL5/16-02	
PLL5/16-03 (4)⑤		R3/8	12	48.3	49.2				17	17.8	66	PLL5/16-03
PLL3/8-02 (4)⑤	3/8	R1/4	11	54.5	57.2	17.5	20.2	26.2	17	30	65	PLL3/8-02
PLL3/8-03 (4)⑤		R3/8	12	55.5	57.9				74		PLL3/8-03	
PLL3/8-04 (4)⑤		R1/2	15	60	60.5				21	32.1	120	PLL3/8-04
PLL1/2-02 (4)⑤	1/2	R1/4	11	60	64.5	21	23.7	29.7	21	39.1	111	PLL1/2-02
PLL1/2-03 (4)⑤		R3/8	12	61	65.2					44	107	PLL1/2-03
PLL1/2-04 (4)⑤		R1/2	15	64	66.3					54.2	122	PLL1/2-04

- * 1. ④ in Model code / Replaced with "W" for Light-gray color
- * 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- * 3. "L" is a reference value for height dimension after tightening taper thread.
- * 4. Dimensions in [] are for clean-room package products
- * 5. Visit PISCO website for CAD data of clean-room package products.



Page for special specifications



3D CAD data is available at PISCO website.



CAD data is available at PISCO website.

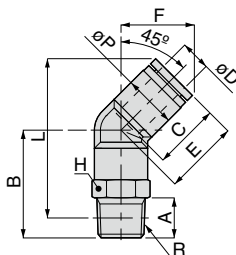
FITTING
 CONTROLLER
 VALVE
 TUBE
 MAKE-TO-ORDER PRODUCTS
 54
 Standard Series
 Mini Series
 Stainless Series
 Chemical Series
 PP Series
 EG Series
 Anti-siphon & Back Siphon
 The Temperature Control
 Minimal Series
 Stop Fitting Series
 Rotary Series
 Twist-Fitting
 Block and Connector
 Coupling
 Color Cap

Tube Fitting

FITTING

PLH 45° Elbow

RoHS compliant



OP. P.754

3D CAD

CAD

Unit : mm

Model code	Tube O.D. øD	R	A	B	L	E	F	øP	Tube end C	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name
PLH8-01 ④⑤	8	R1/8	8	27	42.4	20.7	19.4	14.5	18.1	14	22	18	PLH8-01
PLH8-02 ④⑤		R1/4	11	30	43.4						26	24	PLH8-02
PLH8-03 ④⑤		R3/8	12	31.8	44.8						22	37	PLH8-03
PLH10-01 ④⑤	10	R1/8	8	31.2	50	24	22.8	17.5	20.2	17	23.3	31	PLH10-01
PLH10-02 ④⑤		R1/4	11	34.2	51						38	34	PLH10-02
PLH10-03 ④⑤		R3/8	12	35.2	51.6						40.5	42	PLH10-03
PLH10-04 ④⑤		R1/2	15	38.2	52.8						31.6	64	PLH10-04
PLH12-02 ④⑤	12	R1/4	11	38	59.6	29.4	27.6	21	23.4	21	45	51	PLH12-02
PLH12-03 ④⑤		R3/8	12	39	60.2						44	66	PLH12-03
PLH12-04 ④⑤		R1/2	15	42	61.4						80	80	PLH12-04
PLH16-03 ④⑤	16	R3/8	11	43	65.6	29.8	29	25	24.1	22	78	73	PLH16-03
PLH16-04 ④⑤		R1/2	15	47	67.8						90	78	PLH16-04

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

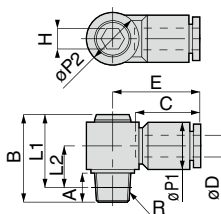
※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

※ 3. "L" is a reference value for height dimension after tightening taper thread.

55

POL Hex. Holed Banjo

RoHS compliant



OP. P.754

3D CAD

CAD

Metric thread type

Unit : mm

Model code	Tube O.D. øD	R	A	B	L1	L2	øP1	øP2	Tube end C	E	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name
POL4-M5 ④⑤	4	M5×0.8	3 [3.2]	17.5	145 [14.3]	7.5 [7.3]	10	10	14.9	19.8	4	2.1	6.3	POL4-M5(※5)
POL6-01 ④⑤	6	R1/8	8	24	20	11.5	13	14.3	17	23.7	5	7	15	POL6-01
POL6-02 ④⑤		R1/4	11	27	21	12.5						7.4	22	POL6-02
POL8-01 ④⑤	8	R1/8	8	27	23	12	14	17.9	18.1	26.7	8	14	22	POL8-01
POL8-02 ④⑤		R1/4	11	30	24	13						12.4	28	POL8-02
POL8-03 ④⑤		R3/8	12	31	24.7	13.7						13.6	37	POL8-03
POL10-02 ④⑤	10	R1/4	11	34	28	15	18	21.3	20.7	30.7	10	22.9	40	POL10-02
POL10-03 ④⑤		R3/8	12	35	28.7	15.7						22.6	49	POL10-03
POL12-03 ④⑤	12	R3/8	12	39	32.7	17.7	21	26.3	23.4	36.4	12	37.3	68	POL12-03
POL12-04 ④⑤		R1/2	15	42	33.8	18.8						32.4	85	POL12-04

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

※ 3. "L1" and "L2" are reference values for height dimensions after tightening taper thread.

※ 4. Dimensions in [] are for clean-room package products

※ 5. Visit PISCO website for CAD data of clean-room package products.

OP. P.000

Page for special specifications

3D CAD

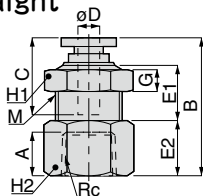
3D CAD data is available at PISCO website.

CAD

CAD data is available at PISCO website.

PMF Bulkhead Female Straight

RoHS compliant



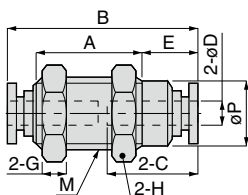
Unit : mm

Model code	Tube O.D. øD	Rc	M	B	E1	E2	A	Tube end C	Hex. H1	Hex. H2	G	Effective area (mm ²)	Weight (g)	CAD file name	
PMF4-01 ④⑤	4	Rc1/8	M12×1	24.5	9.9	10	7	14.9	14	14	4	5.8	19	PMF4-01	
PMF6-01 ④⑤	6	Rc1/8	M14×1	27.1	11.9	10	7	17	17	17	4	13.8	29	PMF6-01	
PMF6-02 ④⑤		Rc1/4		30.1		13	9.5					12.7		PMF6-02	
PMF8-01 ④⑤	8	Rc1/8	M16×1	29	13.5	10	7	18.2	19	19	4	22.5	39	PMF8-01	
PMF8-02 ④⑤		Rc1/4		32		13	9.5					23.4		41	PMF8-02
PMF8-03 ④⑤		Rc3/8		33		14	10.5					22.3		35	PMF8-03
PMF10-02 ④⑤	10	Rc1/4	M20×1	34.8	14.9	14	9.5	20.7	24	24	5	41.1	78	PMF10-02	
PMF10-03 ④⑤		Rc3/8		35.8		15	10.5					40		73	PMF10-03
PMF12-03 ④⑤	12	Rc3/8	M22×1	38.9	18.4	15	10.5	23.3	27	24	6	70.3	86	PMF12-03	
PMF12-04 ④⑤		Rc1/2		41.9		18	13					70.1		80	PMF12-04

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PM Bulkhead Union

RoHS compliant



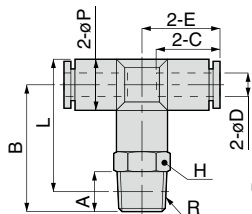
Unit : mm

Model code	Tube O.D. øD	M	B	E	A	øP	Tube end C	Hex. H	G	Effective area (mm ²)	Weight (g)	CAD file name
PM4 ④⑤	4	M12×1	30.8	10.4	15	10.8	14.9	14	4	5.3	11	PM4
PM6 ④⑤	6	M14×1	34.9	11	18	12.5	17	17	4	12.5	16	PM6
PM8 ④⑤	8	M16×1	37.4	14.3	16.8	14.6	18.2	19	4	20	20	PM8
PM10 ④⑤	10	M20×1	42.4	12.7	23	18.5	20.7	24	5	35	39	PM10
PM12 ④⑤	12	M22×1	47.6	12.3	29	20.4	23.3	27	6	71	57	PM12
PM16 ④⑤	16	M28×1.5	51	5.4	40.2	—	24.8	32	6	98	80	PM16
PM3/16 ④⑤	3/16	M14×1	35.7	11.4	18	12.5	17.4	17	4	4.2	16	PM3'16
PM1/4 ④⑤	1/4	M14×1	34.9	11	18	12.5	17	17	4	12.5	16	PM1'4
PM5/16 ④⑤	5/16	M16×1	37.4	14.3	16.8	14.6	18.2	19	4	20	20	PM5'16
PM3/8 ④⑤	3/8	M20×1	42.4	12.7	23	18.5	20.7	24	5	35	39	PM3'8

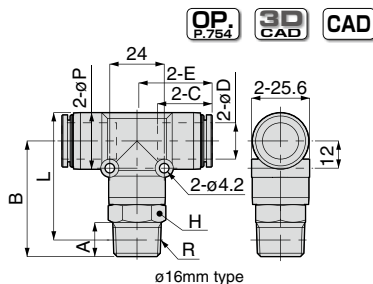
- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PB Branch Tee

RoHS compliant



Metric thread type



ø16mm type

Unit : mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	E	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name		
PB4-M5 (4)⑤	4	M5 × 0.8	3 [3.2]	20.2	22.2 [22.1]	10	14.9	16.9	10	1.5	11	PB4-M5(№6)		
PB4-M6 (4)⑤		M6 × 1	4	21.2	22.2							PB4-M6		
PB4-01 (4)⑤		R1/8	8	23.2	24.2					4.1	14	23	PB4-01	
PB4-02 (4)⑤		R1/4	11	26.2	25.2								PB4-02	
PB6-M5 (4)⑤	6	M5 × 0.8	3 [3.2]	23	26.5 [26.3]	13	17	20.15	12	1.5	16	PB6-M5(№6)		
PB6-M6 (4)⑤		M6 × 1	4	24	26.5							PB6-M6		
PB6-01 (4)⑤		R1/8	8	26	28.5					10	18	26	PB6-01	
PB6-02 (4)⑤		R1/4	11	29	29.5								PB6-02	
PB6-03 (4)⑤	R3/8	12	30.8	31	17	39	23	PB6-03						
PB8-01 (4)⑤*	R1/8	8	26.3	29.8				15	18.4	22.4	14	16.5	23	PB8-01
PB8-02 (4)⑤*	R1/4	11	29.3	30.8	PB8-02									
PB8-03 (4)⑤*	R3/8	12	31.1	32.3	42	PB8-03								
PB10-01 (4)⑤	R1/8	8	33	37.8			17.5							20.2
PB10-02 (4)⑤*	R1/4	11	36	38.7	PB10-02									
PB10-03 (4)⑤*	R3/8	12	37	39.4	30	50		PB10-03						
PB10-04 (4)⑤	R1/2	15	40	40.6					72	PB10-04				
PB12-02 (4)⑤	12	R1/4	11	38	42.5	21	22.9	28.4	21	30	61	PB12-02		
PB12-03 (4)⑤		R3/8	12	39	43.2							47	78	PB12-03
PB12-04 (4)⑤		R1/2	15	42	44.3									PB12-04
PB16-03 (4)⑤	16	R3/8	11	47	53.2	25	24.1	33.1	22	80.1	89	PB16-03		
PB16-04 (4)⑤		R1/2	15	51	55.3							90.8	93	PB16-04

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

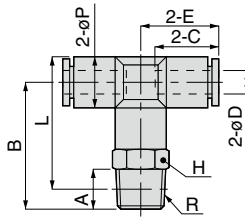
※ 3. "L" is a reference value for height dimension after tightening taper thread.

※ 4. Space saving types are available for model codes with * mark. See page 760.

※ 5. Dimensions in [] are for clean-room package products

※ 6. Visit PISCO website for CAD data of clean-room package products.

Brach Tee (Inch size)



Unit : mm

Model code	Tube O.D. φD	R	A	B	L	φP	Tube end C	E	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name
PB5/32-01 ④⑤	5/32	R1/8	8	19.2	24.2	10	14.9	16.9	10	4.1	14	PB5'32-01
PB5/32-02 ④⑤		R1/4	11	26.2	25.2				14		23	PB5'32-02
PB3/16-01 ④⑤	3/16	R1/8	8	26	28.5	13	17.4	20.55	12	5.4	18	PB3'16-01
PB3/16-02 ④⑤		R1/4	11	29	29.5				14		25	PB3'16-02
PB1/4-01 ④⑤	1/4	R1/8	8	26	28.5	13	17	20.15	12	10	18	PB1'4-01
PB1/4-02 ④⑤		R1/4	11	29	29.5				14		26	PB1'4-02
PB1/4-03 ④⑤		R3/8	12	30.8	31				17		39	PB1'4-03
PB5/16-01 ④⑤	5/16	R1/8	8	26.3	29.8	15	18.4	22.4	14	16.5	23	PB5'16-01
PB5/16-02 ④⑤		R1/4	11	29.3	30.8				17		29	PB5'16-02
PB5/16-03 ④⑤		R3/8	12	31.1	32.3				17		42	PB5'16-03
PB3/8-01 ④⑤	3/8	R1/8	8	33	37.8	17.5	20.2	25.2	17	23.2	39	PB3'8-01
PB3/8-02 ④⑤		R1/4	11	36	38.7						30	42
PB3/8-03 ④⑤		R3/8	12	37	39.4				50	PB3'8-03		
PB3/8-04 ④⑤		R1/2	15	40	40.6				72	PB3'8-04		
PB1/2-02 ④⑤	1/2	R1/4	11	38	42.5	21	23.2	28.7	21	30	59	PB1'2-02
PB1/2-03 ④⑤		R3/8	12	39	43.2						60	PB1'2-03
PB1/2-04 ④⑤		R1/2	15	42	44.3						76	PB1'2-04

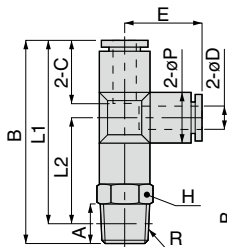
- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 3. "L" is a reference value for height dimension after tightening taper thread.

FITTING
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 58
 Standard Series
 Mini Series
 Stainless Series
 Chemical Series
 PP Series
 EG Series
 Anticorrosion & Pores Series
 Die Formed Plastic
 Minimal Series
 Stop Fitting Series
 Rotary Series
 Twist-Proof Fitting
 Block and Connector
 Coupling
 Color Cap

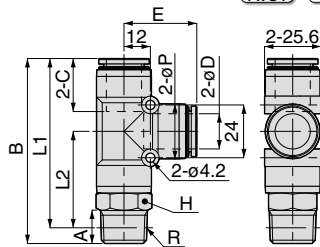


PD Run Tee

RoHS compliant



Metric thread type



ø16mm type

Unit : mm



Model code	Tube O.D. øD	R	A	B	L1	L2	øP	Tube end C	E	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name
PD4-M5 (4)⑤	4	M5 × 0.8	3 [3.2]	37.1	34.1 [33.9]	17.2 [17]	10	14.9	16.9	10	1.9	11	PD4-M5(※6)
PD4-M6 (4)⑤		M6 × 1	4	38.1	34.1	17.2							PD4-M6
PD4-01 (4)⑤		R1/8	8	40.1	36.1	19.2					5.3	14	PD4-01
PD4-02 (4)⑤		R1/4	11	43.1	37.1	20.2					14	23	PD4-02
PD6-M5 (4)⑤	6	M5 × 0.8	3 [3.2]	43.2	40.2 [40]	20 [19.8]	13	17	20.1	12	1.9	16	PD6-M5
PD6-M6 (4)⑤		M6 × 1	4	44.2	40.2	20							6.4
PD6-01 (4)⑤		R1/8	8	46.2	42.2	22					12.5	18	PD6-01
PD6-02 (4)⑤		R1/4	11	49.2	43.1	23						14	26
PD6-03 (4)⑤	R3/8	12	51	44.6	24.5	17	39	PD6-03					
PD8-01 (4)⑤*	8	R1/8	8	50.4	46.4	24.2	15	18.1	22.2	14	20	23	PD8-01
PD8-02 (4)⑤*		R1/4	11	53.4	47.4	25.2						29	PD8-02
PD8-03 (4)⑤*		R3/8	12	55.2	48.9	26.7						42	PD8-03
PD10-01 (4)⑤	10	R1/8	8	58.2	54.2	29	17.5	20.2	25.2	17	23.6	38	PD10-01
PD10-02 (4)⑤*		R1/4	11	61.2	55.2	30							42
PD10-03 (4)⑤*		R3/8	12	62.2	55.9	30.7					35	50	PD10-03
PD10-04 (4)⑤		R1/2	15	65.2	57	31.8						21	72
PD12-02 (4)⑤	12	R1/4	11	66.6	60.6	32.2	21	22.9	28.2	21	35	62	PD12-02
PD12-03 (4)⑤		R3/8	12	67.6	61.3	32.9							78
PD12-04 (4)⑤		R1/2	15	70.6	62.4	34					59	78	PD12-04
PD16-03 (4)⑤	16	R3/8	11	80.1	73.8	40.7	25	24.1	33.1	22	79.5	89	PD16-03
PD16-04 (4)⑤		R1/2	15	84.1	75.9	42.8					92.8	93	PD16-04

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

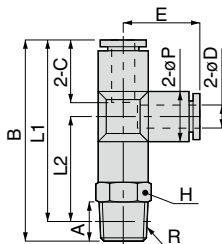
※ 3. "L1" and "L2" are reference values for height dimensions after tightening taper thread.

※ 4. Space saving types are available for model codes with * mark. See page 760.

※ 5. Dimensions in [] are for clean-room package products

※ 6. Visit PISCO website for CAD data of clean-room package products.

Run Tee (Inch size)



Unit : mm

Model code	Tube O.D. øD	R	A	B	L1	L2	øP	Tube and C	E	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name	
PD5/32-01 (4)(5)	5/32	R1/8	8	40.1	36.1	19.2	10	14.9	16.9	10	5.3	14	PD5'32-01	
PD5/32-02 (4)(5)		R1/4	11	43.1	37.1	20.2				14		23	PD5'32-02	
PD3/16-01 (4)(5)	3/16	R1/8	8	46.6	42.6	22	13	17.4	20.5	12	5.1	18	PD3'16-01	
PD3/16-02 (4)(5)		R1/4	11	49.6	43.5	23				14		26	PD3'16-02	
PD1/4-01 (4)(5)	1/4	R1/8	8	46.2	42.2	22	13	17	20.1	12	12.5	18	PD1'4-01	
PD1/4-02 (4)(5)		R1/4	11	49.2	43.1	23				14		26	PD1'4-02	
PD1/4-03 (4)(5)		R3/8	12	51	44.6	24.5				17		39	PD1'4-03	
PD5/16-01 (4)(5)	5/16	R1/8	8	50.4	46.4	24.2	15	18.1	22.2	14	20	23	PD5'16-01	
PD5/16-02 (4)(5)		R1/4	11	53.4	47.4	25.2				17		29	PD5'16-02	
PD5/16-03 (4)(5)		R3/8	12	55.2	48.9	26.7				17		42	PD5'16-03	
PD3/8-01 (4)(5)	3/8	R1/8	8	58.2	54.2	29	17.5	20.2	25.2	17	23.6	39	PD3'8-01	
PD3/8-02 (4)(5)		R1/4	11	61.2	55.2	30						35	42	PD3'8-02
PD3/8-03 (4)(5)		R3/8	12	62.2	55.9	30.7				21	50		PD3'8-03	
PD3/8-04 (4)(5)		R1/2	15	65.2	57	31.8					72	PD3'8-04		
PD1/2-02 (4)(5)	1/2	R1/4	11	66.9	60.9	32.2	21	23.2	28.5	21	35	59	PD1'2-02	
PD1/2-03 (4)(5)		R3/8	12	67.9	61.6	32.9						59	60	PD1'2-03
PD1/2-04 (4)(5)		R1/2	15	70.9	62.7	34							76	PD1'2-04

※ 1. (4) in Model code / Replaced with "W" for Light-gray color

※ 2. (5) in Model code / Replaced with "C" for Clean-room package

※ 3. "L1" and "L2" are reference values for height dimensions after tightening taper thread.

FITTING
 CONTROLLER
 VALVE
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 MAKE-TO-ORDER PRODUCTS
 Standard Series
 Mini Series
 Stainless Series
 Chemical Series
 PP Series
 EG Series
 Anticorrosion & Pores Series
 Die Casted in Brass
 Minimal Series
 Stop Fitting Series
 Rotary Series
 Twist-Proof Fitting
 Block and Connector
 Coupling
 Color Cap

60

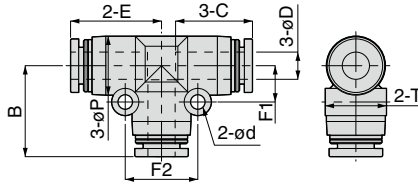


Tube Fitting

FITTING

PE Union Tee

RoHS compliant



Unit : mm

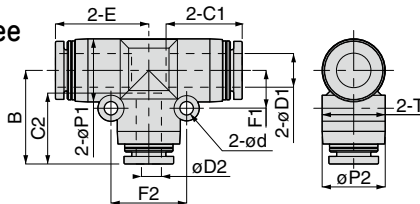
Model code	Tube O.D. φD	φP	Tube end C	E	φd	T	F1	F2	B	Effective area (mm ²)	Weight (g)	CAD file name
PE4 ④⑤	4	10	14.9	16.9	3.2	10	6.5	13	16.9	5.3	7.5	PE4
PE6 ④⑤	6	13	17	20.05	3.2	13.5	8	16	20.1	12.5	11	PE6
PE8 ④⑤	8	15	18.1	22.2	3.2	15	9	18	22.2	20	16	PE8
PE10 ④⑤	10	17.5	19.6	25.2	4.2	17.5	12	24	25.2	35	25	PE10
PE12 ④⑤	12	21	22.9	28.4	4.2	21.7	14	28	28.2	59	36	PE12
PE16 ④⑤	16	25	24.1	33.1	4.2	25.6	12	24	33.1	89.8	44	PE16
PE1/4 ④⑤	1/4	13	17	20.05	3.2	13.5	8	16	20.1	12.5	11	PE1'4
PE5/16 ④⑤	5/16	15	18.1	22.2	3.2	15	9	18	22.2	20	16	PE5'16
PE3/8 ④⑤	3/8	17.5	20.2	25.2	4.2	17.5	12	24	25.2	35	25	PE3'8

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PEG Unequal Union Tee

RoHS compliant



Unit : mm

形式	Tube O.D. φD1	Tube O.D. φD2	φP1	φP2	Tube end C1	Tube end C2	E	φd	F1	F2	B	T	Effective area (mm ²)	Weight (g)	CAD file name						
PEG4-6 ④⑤	4	6	13	13	14.9	17	19.5	3.2	8	16	20.1	13.5	4.1	11	PEG4-6						
PEG6-4 ④⑤	6	4	13	13	17	14.9	20.05	3.2	8	16	19.5	13.5	4.1	11	PEG6-4						
PEG6-8 ④⑤		8	15	15	18.2	18.1	22.25								9	18	22.2	15	10.5	14	PEG6-8
PEG8-4 ④⑤		8	4	14.5	12.5	18.1	14.9								22.2	3.2	9	18	21.7	15.1	4
PEG8-6 ④⑤	6		22.3				9.5	14	PEG8-6												
PEG8-10 ④⑤	10		17.5	17.5	20.2	24.9	4.2	12	24	25.2	17.5	21.3	22	PEG8-10							
PEG10-6 ④⑤	10	6	17.5	14.5	20.2	17	25.2	4.2	12	24	25	18.2	10.5	22	PEG10-6						
PEG10-8 ④⑤		8				18.1					18.5		23	PEG10-8							
PEG10-12 ④⑤		12				21					21		22.9	28.2	14	28	28.2	21.7	31.2	34	PEG10-12
PEG12-8 ④⑤	12	8	21	17.5	23.4	18.1	28.4	4.2	14	28	27.7	21.7	20.5	32	PEG12-8						
PEG12-10 ④⑤		10				20.2					29.5		34	PEG12-10							
PEG12-16 ④⑤		16	25	25	24.1	33.2	12	24	33.1	25.6	46.2	46	PEG12-16								
PEG16-12 ④⑤	16	12	25	25	24.1	22.9	33.1	4.2	12	24	33.2	25.6	45	45	PEG16-12						
PEG5/32-3/16 ④⑤	5/32	3/16	13	13	14.9	17.4	19.5	3.2	8	16	20.5	13.5	3.5	11	PEG5'32-3'16						
PEG5/32-1/4 ④⑤		1/4				17					20.1		4.3	10	PEG5'32-1'4						
PEG3/16-1/4 ④⑤	3/16	1/4	13	13	17.4	17	20.45	3.2	8	16	20.1	13.5	4.2	12	PEG3'16-1'4						
PEG1/4-5/16 ④⑤	1/4	5/16	15	15	18.2	18.1	22.25	3.2	9	18	22.2	15	10.7	14	PEG1'4-5'16						
PEG5/16-5/32 ④⑤	5/16	5/32	14.5	12.5	18.1	14.9	22.2	3.2	9	18	21.7	15.1	3.5	16	PEG5'16-5'32						
PEG5/16-3/16 ④⑤		3/16				17.4					5.2		14	PEG5'16-3'16							
PEG5/16-3/8 ④⑤		3/8	17.5	17.5	18.1	20.2	24.9	4.2	12	24	25.2	17.5	20.1	22	PEG5'16-3'8						
PEG3/8-1/2 ④⑤	3/8	1/2	21	21	20.2	23.7	28.2	4.2	14	28	28.5	21	27.1	34	PEG3'8-1'2						
PEG1/2-5/16 ④⑤	1/2	5/16	21	17.5	23.7	18.1	28.7	4.2	14	28	27.7	21.7	22	29.4	PEG1'2-5'16						

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room color



Page for special specifications



3D CAD data is available at PISCO website.

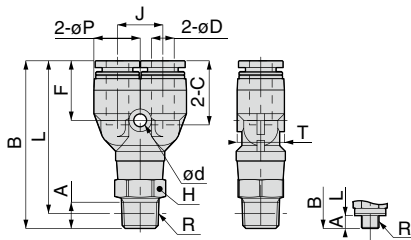


CAD data is available at PISCO website.

PX

Branch Y

RoHS compliant



OP P.754

3D CAD

CAD

Metric thread type Unit : mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	J	ød	F	T	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name	
PX4-M5 ④⑤	4	M5×0.8	3 [3.2]	37.6	34.6 [34.4]	10	14.9	11	3.4	14.1	10	10	1.5	11	PX4-M5(※5)	
PX4-M6 ④⑤		M6×1	4	38.6	34.6								3.3		PX4-M6	
PX4-01 ④⑤		R1/8	8	40.6	36.6								4.2		14	PX4-01
PX4-02 ④⑤		R1/4	11	43.6	37.6								4.2		23	PX4-02
PX6-M5 ④⑤	6	M5×0.8	3 [3.2]	41.4	38.4 [38.2]	12.5	17	12	3.4	15.8	12.5	12	1.5	16	PX6-M5(※5)	
PX6-M6 ④⑤		M6×1	4	42.4	38.4								6.5		17	PX6-M6
PX6-01 ④⑤		R1/8	8	44.4	40.4								10		18	PX6-01
PX6-02 ④⑤		R1/4	11	47.4	41.3										14	26
PX6-03 ④⑤	R3/8	12	49.2	42.8	17	40	PX6-03									
PX8-01 ④⑤	8	R1/8	8	48.7	44.7	14.5	18.1	14	3.4	17.2	14.5	14	16.5	24	PX8-01	
PX8-02 ④⑤		R1/4	11	51.7	45.7									29	PX8-02	
PX8-03 ④⑤		R3/8	12	53.5	47.2									43	PX8-03	
PX10-01 ④⑤	10	R1/8	8	55.3	51.3	18	20.7	18	4.5	19.5	18	17	22.1	40	PX10-01	
PX10-02 ④⑤		R1/4	11	58.3	52.3								30		44	PX10-02
PX10-03 ④⑤		R3/8	12	59.3	53								30		52	PX10-03
PX10-04 ④⑤		R1/2	15	62.3	54.1								30		74	PX10-04
PX12-02 ④⑤	12	R1/4	11	63.5	57.5	21	23.4	20	4.2	22.2	21	21	37	64	PX12-02	
PX12-03 ④⑤		R3/8	12	64.5	58.2									65	PX12-03	
PX12-04 ④⑤		R1/2	15	67.5	59.3									81	PX12-04	
PX16-03 ④⑤	16	R3/8	11	76.1	69.8	25	24.1	24	4.5	22.1	25	22	54.5	89	PX16-03	
PX16-04 ④⑤		R1/2	15	80.1	71.9								59		93	PX16-04
PX5/32-01 ④⑤	5/32	R1/8	8	40.6	36.6	10	14.9	11	3.4	14.1	10	10	4.2	14	PX5/32-01	
PX5/32-02 ④⑤		R1/4	11	43.6	37.6									14	23	PX5/32-02
PX3/16-01 ④⑤	3/16	R1/8	8	44.8	40.8	12.5	17.4	12	3.4	16.2	12.5	12	5.7	18	PX3/16-01	
PX3/16-02 ④⑤		R1/4	11	47.8	41.7									12	18	PX3/16-02
PX1/4-01 ④⑤	1/4	R1/8	8	44.4	40.4	12.5	17	12	3.4	15.8	12.5	14	10	18	PX1/4-01	
PX1/4-02 ④⑤		R1/4	11	47.4	41.3									14	26	PX1/4-02
PX1/4-03 ④⑤		R3/8	12	49.2	42.8									17	39	PX1/4-03
PX5/16-01 ④⑤	5/16	R1/8	8	48.7	44.7	14.5	18.1	14	3.4	17.2	14.5	14	16.5	24	PX5/16-01	
PX5/16-02 ④⑤		R1/4	11	51.7	45.7									17	29	PX5/16-02
PX5/16-03 ④⑤		R3/8	12	53.5	47.2									17	43	PX5/16-03
PX3/8-01 ④⑤	3/8	R1/8	8	55.3	51.3	18	20.7	18	4.5	19.5	18	17	22.1	41	PX3/8-01	
PX3/8-02 ④⑤		R1/4	11	58.3	52.3									44	PX3/8-02	
PX3/8-03 ④⑤		R3/8	12	59.3	53									30	52	PX3/8-03
PX3/8-04 ④⑤		R1/2	15	62.3	54.1									21	74	PX3/8-04
PX1/2-02 ④⑤	1/2	R1/4	11	63.8	57.8	21	23.7	20	4.2	22.5	21	21	37	62	PX1/2-02	
PX1/2-03 ④⑤		R3/8	12	64.8	58.5									63	PX1/2-03	
PX1/2-04 ④⑤		R1/2	15	67.8	59.6									78	PX1/2-04	

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 3. "L" is a reference value for height dimension after tightening taper thread.
- ※ 4. Dimensions in [] are for clean-room package products
- ※ 5. Visit PISCO website for CAD data of clean-room package products.

OP P.660

Page for special specifications

3D CAD

3D CAD data is available at PISCO website.

CAD

CAD data is available at PISCO website.

FITTING
CONTROLLER
VALVE

TUBE

MAKE-TO-ORDER
PRODUCTS

62

Standard Series

Mini Series

Stainless Series

Chemical Series

PP Series

EG Series

Anti-siphon & Back Siphon

The Temperature Control

Minimal Series

Stop Fitting Series

Rotary Series

Twist-Proof Fitting

Block and Connector

Coupling

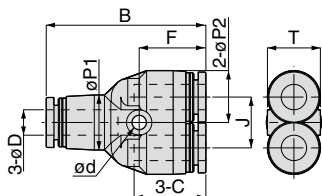
Color Cap

Tube Fitting

FITTING

PY Union Y

RoHS compliant



OP.
P.754

3D
CAD

CAD

Unit : mm

Model code	Tube O.D. øD	B	øP1	øP2	Tube end C	J	ød	F	T	Effective area (mm ²)	Weight (g)	CAD file name
PY4④⑤	4	32.8	10	10	14.9	11	3.4	14.1	10	4.2	7.6	PY4
PY6④⑤	6	37.7	13	12.5	17	12	3.4	15.8	12.5	10	11	PY6
PY8④⑤	8	42.4	15	14.5	18.1	14	3.4	17.2	14.5	16.5	16	PY8
PY10④⑤	10	48.4	18	18	20.7	18	4.5	19.5	18	27	26	PY10
PY12④⑤	12	54.8	21.5	21	23.4	20	4.2	22.2	21	38	37	PY12
PY16④⑤	16	62.2	25	25	24.1	24	4.5	22.1	25	56.5	45	PY16
PY1/4④⑤	1/4	37.7	13	12.5	17	12	3.4	15.8	12.5	10	11	PY1'4
PY5/16④⑤	5/16	42.4	15	14.5	18.1	14	3.4	17.2	14.5	16.5	16	PY5'16
PY3/8④⑤	3/8	48.4	18	18	20.7	18	4.5	19.5	18	27	26	PY3'8

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

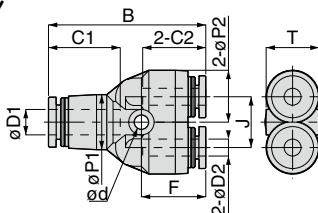
※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

63

Standard Series

PW Unequal Union Y

RoHS compliant



OP.
P.754

3D
CAD

CAD

Unit : mm

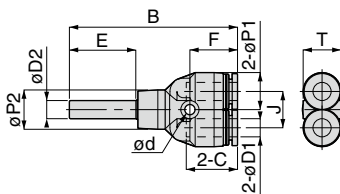
Model code	Tube O.D. øD1	Tube O.D. øD2	B	øP1	øP2	Tube end C1	Tube end C2	J	ød	F	T	Effective area (mm ²)	Weight (g)	CAD file name
PW6-4④⑤	6	4	37.2	13	12.5	17	14.9	12	3.4	15.2	12.5	4.2	11	PW6-4
PW8-4④⑤	8	4	43.4	15	14.5	18.1	14.9	14	3.4	18.2	14.5	3.5	17	PW8-4
PW8-6④⑤		6	42.5				17					10	15	PW8-6
PW10-6④⑤	10	6	50.2	18	18	20.7	17	18	4.5	21.3	18	10	27	PW10-6
PW10-8④⑤		8	48.1				18.2					17	23	PW10-8
PW12-8④⑤	12	8	56.4	21.5	21	23.4	18.4	20	4.2	23.8	21	22.5	40	PW12-8
PW12-10④⑤		10	54.6				20.2					22	36	PW12-10
PW1/4-4④⑤	1/4	4	37.2	13	12.5	17	14.9	12	3.4	15.2	12.5	4.2	11	PW1'4-4
PW5/16-1/4④⑤	5/16	1/4	42.5	15	14.5	18.1	17	14	3.4	17.3	14.5	10	15	PW5'16-1'4
PW3/8-5/16④⑤	3/8	5/16	48.1	18	18	20.7	18.2	18	4.5	19.2	18	16.5	24	PW3'8-5'16

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PYJ Plug-in Y

RoHS compliant



Unit : mm

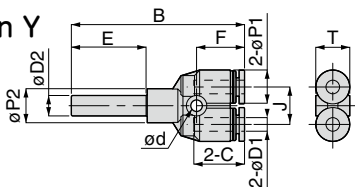
Model code	Tube O.D. $\phi D1$	Tube dia. $\phi D2$	B	$\phi P1$	$\phi P2$	Tube end C	E	J	ϕd	F	T	Effective area (mm ²)	Weight (g)	CAD file name
PYJ4 ④⑤	4	4	48.7	10	10	14.9	19	11	3.4	14.1	10	2	6.5	PYJ4
PYJ6 ④⑤	6	6	55.6	12.5	13	17	22	12	3.4	15.8	12.5	7.5	9.4	PYJ6
PYJ8 ④⑤	8	8	59.2	14.5	15	18.1	23.2	14	3.4	17.2	14.5	16.5	13	PYJ8
PYJ10 ④⑤	10	10	68.5	18	18	20.7	25	18	4.5	19.5	18	27	23	PYJ10
PYJ12 ④⑤	12	12	78.1	21	21.5	23.4	28.5	20	4.2	22.2	21	42	34	PYJ12
PYJ16 ④⑤	16	16	89.6	25	25	24.1	31	24	4.5	22.1	25	93	48	PYJ16

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PWJ Unequal Plug-in Y

RoHS compliant



Unit : mm

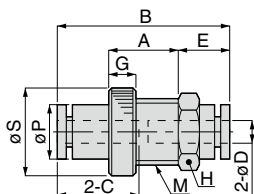
Model code	Tube O.D. $\phi D1$	Tube dia. $\phi D2$	B	$\phi P1$	$\phi P2$	Tube end C	E	J	ϕd	F	T	Effective area (mm ²)	Weight (g)	CAD file name
PWJ6-4 ④⑤	4	6	50.9	10	10	14.9	22	11	3.4	14.1	10	4.2	6.8	PWJ6-4
PWJ8-6 ④⑤	6	8	56.5	12.5	13	17	23.2	12	3.4	15.8	12.5	10	9.5	PWJ8-6
PWJ10-8 ④⑤	8	10	62.7	14.5	15	18.1	25	14	3.4	17.2	14.5	16.5	15	PWJ10-8
PWJ12-10 ④⑤	10	12	69.8	18	18	20.7	28.5	18	4.5	19.5	18	27	23	PWJ12-10
PWJ16-12 ④⑤	12	16	82.1	21	21.5	23.4	31	20	4.2	22.2	21	55	40	PWJ16-12

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PMP Bulkhead Union P

RoHS compliant



Unit : mm

Model code	Tube O.D. ϕD	M	B	E	A	ϕP	ϕS	Tube end C	Hex. H	G	Effective area (mm ²)	Weight (g)	CAD file name
PMP4 ④⑤	4	M12×1.5	31.4	9.2	12	10	16	14.9	14	5	4.2	6.8	PMP4
PMP6 ④⑤	6	M14×1.5	35.5	9.8	15	12.3	19	17	17	5	10.7	9.6	PMP6
PMP8 ④⑤	8	M16×1.5	38.4	10.7	15.5	14.2	22	18.1	19	6	19.1	14	PMP8
PMP10 ④⑤	10	M20×2	43	13	18.5	17.5	27.5	20.7	24	6	39.6	23	PMP10
PMP12 ④⑤	12	M24×2	48.4	13.2	20.5	21	31	23.4	27	6	47.6	32	PMP12
PMP1/4 ④⑤	1/4	M14×1.5	35.5	9.8	15	12.3	19	17	17	5	13.2	9.5	PMP1/4
PMP5/16 ④⑤	5/16	M16×1.5	38.4	10.7	15.5	14.2	22	18.1	19	6	19.2	14	PMP5/16
PMP3/8 ④⑤	3/8	M20×2	43	13	18.5	17.5	27.5	20.7	24	6	32.5	24	PMP3/8

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package



Page for special specifications



3D CAD data is available at PISCO website.

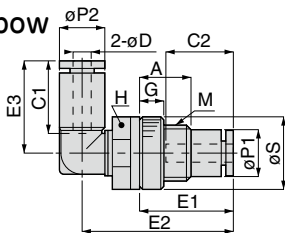


CAD data is available at PISCO website.

Tube Fitting

FITTING PML Bulkhead Union Elbow

RoHS compliant



OP P.754

3D CAD

CAD

Unit : mm

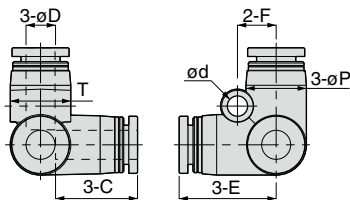
Model code	Tube O.D. ϕD	M	E1	E2	E3	A	$\phi P1$	$\phi P2$	ϕS	Tube end C1	Tube end C2	Hex. H	G	Effective area (mm ²)	Weight (g)	CAD file name
PML4 ④⑤	4	M12×1.5	20.2	32.8	19.7	10	10	10	16	14.9	14.9	14	5	3.4	11	PML4
PML6 ④⑤	6	M14×1.5	23.8	37.8	22.8	13	12.3	12.5	19	17	17	17	5	9.4	17	PML6
PML8 ④⑤	8	M16×1.5	25.7	41.8	25.7	13.5	14.2	14.5	22	18.1	18.1	19	6	19.3	25	PML8
PML10 ④⑤	10	M20×2	28	47.8	29.5	16.5	17.5	17.5	27.5	20.2	20.7	24	6	28.1	42	PML10
PML12 ④⑤	12	M24×2	33.2	54.7	32.6	18.5	21	21	31	23.4	23.4	27	6	37.2	59	PML12
PML1/4 ④⑤	1/4	M14×1.5	23.8	37.8	22.8	13	12.3	12.5	19	17	17	17	5	10.8	17	PML1'4
PML5/16 ④⑤	5/16	M16×1.5	25.7	41.8	25.7	13.5	14.2	14.5	22	18.1	18.1	19	6	19.3	25	PML5'16
PML3/8 ④⑤	3/8	M20×2	28	47.8	29.5	16.5	17.5	17.5	27.5	20.2	20.7	24	6	22.8	42	PML3'8

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PVU Tripod Union

RoHS compliant



OP P.754

3D CAD

CAD

Unit : mm

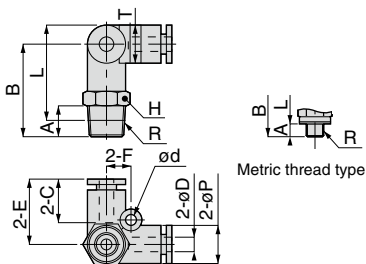
Model code	Tube O.D. ϕD	ϕP	Tube end C	E	ϕd	F	T	Effective area (mm ²)	Weight (g)	CAD file name
PVU4 ④⑤	4	10	14.9	16.9	3.2	6.5	10	3.7	7.4	PVU4
PVU6 ④⑤	6	12.5	17	20.1	4.2	8	12.5	8.3	11	PVU6
PVU8 ④⑤	8	14.5	18.1	22.1	4.2	10	14.5	16	16	PVU8
PVU10 ④⑤	10	17.5	20.2	26.2	4.2	12	17.5	30.2	25	PVU10
PVU12 ④⑤	12	21	23.4	29.4	4.2	14	21	40.2	36	PVU12

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PVX Tripod Elbow

RoHS compliant



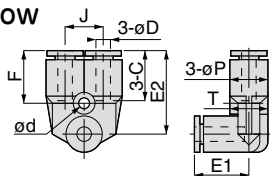
Unit : mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	E	Hex. H	ød	F	T	Effective area (mm ²)	Weight (g)	CAD file name	
PVX4-M5(4)⑤	4	M5 × 0.8	3 [3.2]	21.7	23.7 [23.5]	10	14.9	16.9	10	3.2	6.5	10	2.3	11	PVX4-M5(※5)	
PVX4-M6(4)⑤		M6 × 1	4	22.7	23.7								3.6		PVX4-M6	
PVX4-01(4)⑤		R1/8	8	24.7	25.7								4		14	PVX4-01
PVX4-02(4)⑤		R1/4	11	27.7	26.7								3.5		23	PVX4-02
PVX6-M5(4)⑤	6	M5 × 0.8	3 [3.2]	25.3	28.6 [28.4]	12.5	17	20.1	12	4.2	8	12.5	2.3	17	PVX6-M5(※5)	
PVX6-M6(4)⑤		M6 × 1	4	26.3	28.6								5.9		PVX6-M6	
PVX6-01(4)⑤		R1/8	8	28.3	30.6								8.5		18	PVX6-01
PVX6-02(4)⑤		R1/4	11	31.3	31.5								8		26	PVX6-02
PVX6-03(4)⑤	R3/8	12	33.1	33.7	8.4	39	PVX6-03									
PVX8-01(4)⑤	8	R1/8	8	30.4	33.7	14.5	18.1	22.1	14	4.2	10	14.5	17.1	24	PVX8-01	
PVX8-02(4)⑤		R1/4	11	33.4	34.6								17.5	30	PVX8-02	
PVX8-03(4)⑤		R3/8	12	35.2	36.1								17.4	42	PVX8-03	
PVX10-01(4)⑤		R1/8	8	35.2	40								21.7	40	PVX10-01	
PVX10-02(4)⑤	10	R1/4	11	38.2	40.9	17.5	20.2	26.2	17	4.2	12	17.5	31.5	44	PVX10-02	
PVX10-03(4)⑤		R3/8	12	39.2	41.6								28.1	52	PVX10-03	
PVX10-04(4)⑤		R1/2	15	42.2	42.8								24.3	74	PVX10-04	
PVX12-02(4)⑤		R1/4	11	41.2	45.7								40.9	64	PVX12-02	
PVX12-03(4)⑤	12	R3/8	12	42.2	46.4	21	23.4	29.4	21	4.2	14	21	45	65	PVX12-03	
PVX12-04(4)⑤		R1/2	15	45.2	47.5								44.8	81	PVX12-04	

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 3. "L" is a reference value for height dimension after tightening taper thread.
- ※ 4. Dimensions in [] are for clean-room package products
- ※ 5. Visit PISCO website for CAD data of clean-room package products.

PAU Branch Union Elbow

RoHS compliant



Unit : mm

Model code	Tube O.D. øD	E1	øP	Tube end C	J	E2	ød	F	T	Effective area (mm ²)	Weight (g)	CAD file name
PAU4(4)⑤	4	16.9	10	14.9	11	22.7	3.2	14.2	10	2.5	8.2	PAU4
PAU6(4)⑤	6	19.8	12.5	17	12	26.2	4.2	15.5	12.5	7.2	12	PAU6
PAU8(4)⑤	8	22.7	14.5	18.1	14	29.4	4.2	16.9	14.5	16.3	17	PAU8
PAU10(4)⑤	10	25	17.5	20.2	18	33.5	4.2	18.5	17.5	27.9	28	PAU10
PAU12(4)⑤	12	29.4	21	23.4	20	35.2	4.2	20.4	21	40	39	PAU12

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
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Page for special specifications



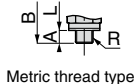
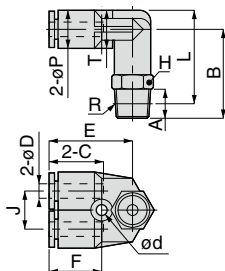
3D CAD data is available at PISCO website.



CAD data is available at PISCO website.

PAX Branch Elbow

RoHS compliant



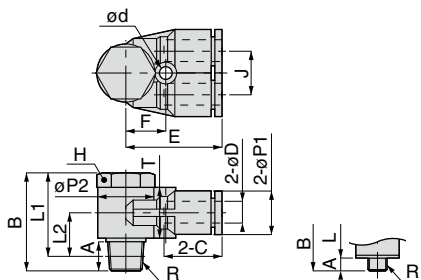
Unit : mm

Model code	Tube O.D. φD	R	A	B	L	φP	Tube end C	J	E	Hex. H	φd	F	T	Effective area (mm ²)	Weight (g)	CAD file name
PAX4-M5 ④⑤	4	M5 × 0.8	3 [3.2]	21.7	23.7 [23.5]	10	14.9	11	22.7	10	3.2	14.2	10	2.2	12	PAX4-M5(#5)
PAX4-M6 ④⑤		M6 × 1	4	22.7	23.7									2.5		PAX4-M6
PAX4-01 ④⑤		R1/8	8	24.7	25.7									2.7	15	PAX4-01
PAX4-02 ④⑤		R1/4	11	27.7	26.7									2.5	24	PAX4-02
PAX6-M5 ④⑤	6	M5 × 0.8	3 [3.2]	25	28.3 [28.1]	12.5	17	12	26.2	12	4.2	15.5	12.5	2.2	17	PAX6-M5(#5)
PAX6-M6 ④⑤		M6 × 1	4	26	28.3									6.4		18
PAX6-01 ④⑤		R1/8	8	28	30.3									6.9	19	PAX6-01
PAX6-02 ④⑤		R1/4	11	31	31.2									6.6	27	PAX6-02
PAX6-03 ④⑤	R3/8	12	32.8	32.7	6.8	40	PAX6-03									
PAX8-01 ④⑤	8	R1/8	8	31	34.3	14.5	18.1	14	29.4	14	4.2	16.9	14.5	14.6	25	PAX8-01
PAX8-02 ④⑤		R1/4	11	34	35.2									14.5		31
PAX8-03 ④⑤		R3/8	12	35.8	36.7									15	44	PAX8-03
PAX10-01 ④⑤	10	R1/8	8	34	38.8	17.5	20.2	18	33.5	17	4.2	18.5	17.5	21.6	42	PAX10-01
PAX10-02 ④⑤		R1/4	11	37	39.7									26.1		46
PAX10-03 ④⑤		R3/8	12	38	40.4									27.2	54	PAX10-03
PAX10-04 ④⑤		R1/2	15	41	41.6									29.9	76	PAX10-04
PAX12-02 ④⑤	12	R1/4	11	41.2	45.7	21	23.4	20	35.2	21	4.2	20.4	21	38.2	67	PAX12-02
PAX12-03 ④⑤		R3/8	12	42.2	46.4									43.1		68
PAX12-04 ④⑤		R1/2	15	45.2	47.5									42.1	83	PAX12-04

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 3. "L" is a reference value for height dimension after tightening taper thread.
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PA Twin Banjo

RoHS compliant



Metric thread type

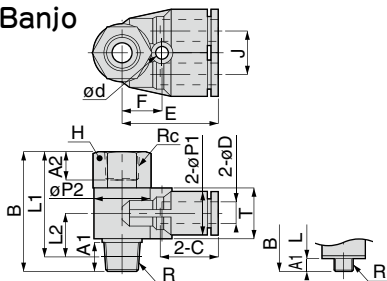
Unit : mm

Model code	Tube O.D. øD	R	A	B	L1	L2	øP1	øP2	Tube end C	J	E	ød	F	T	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name
PA4-M5 (4)⑤	4	M5×0.8	3 [32]	17.2	14.2 [14]	6.2 [6]	10	9.8	14.9	10	20.2	—	—	—	8	1.9	9.6	PA4-M5(※5)
PA6-01 (4)⑤	6	R1/8	8	27	23	12	12.4	15.4	17	12	26.2	3.2	10.7	14	14	8.3	25	PA6-01
PA8-02 (4)⑤	8	R1/4	11	31.5	25.5	13.5	14.4	19	18.2	14	29.4	3.2	12.5	15	17	15.5	42	PA8-02
PA10-03 (4)⑤	10	R3/8	12	36	29.7	15.7	17.6	23	20.7	17	33.5	4.2	15	18	21	25.2	70	PA10-03
PA12-04 (4)⑤	12	R1/2	13	40.2	32	16.5	21	27	23.4	20	37.4	4.2	17	21	24	39.7	106	PA12-04

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 3. "L1" and "L2" are reference values for height dimensions after tightening taper thread.
- ※ 4. Dimensions in [] are for clean-room package products
- ※ 5. Visit PISCO website for CAD data of clean-room package products.

PAF Link-up Twin Banjo

RoHS compliant



Metric thread type

Unit : mm

Model code	Tube O.D. øD	R&Rc	A1	A2	B	L1	L2	øP1	øP2	Tube end C	J	E	ød	F	Hex. H	T	Effective area (mm ²)	Weight (g)	CAD file name
PAF4-M5 (4)⑤	4	M5×0.8	3 [32]	5	20.2	17.2 [17]	6.2 [6]	10	9.8	14.9	10	20.2	—	—	8	—	1.7	11	PAF4-M5(※5)
PAF6-01 (4)⑤	6	R1/8	8	7	32.5	28.5	12	12.4	15.4	17	12	26.2	3.2	10.7	14	14	7	27	PAF6-01
PAF8-02 (4)⑤	8	R1/4	11	9.5	38.5	32.5	13.5	14.4	19	18.2	14	29.4	3.2	12.5	17	15	13.8	44	PAF8-02
PAF10-03 (4)⑤	10	R3/8	12	10.5	44.5	38.2	15.7	17.6	23	20.7	17	33.5	4.2	15	21	18	21.9	73	PAF10-03
PAF12-03 (4)⑤	12	R3/8	12	10.5	51.2	44.9	17.4	21	27	23.4	20	37.4	4.2	17	24	21	38.7	123	PAF12-03
PAF12-04 (4)⑤		R1/2	13	13	52.2	44	16.5										39.2	111	PAF12-04

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 3. "L1" and "L2" are reference values for height dimensions after tightening taper thread.
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Page for special specifications



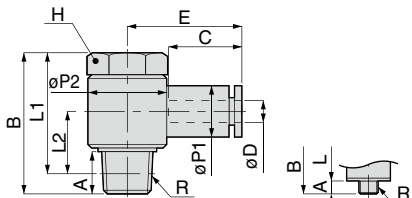
3D CAD data is available at PISCO website.



CAD data is available at PISCO website.

PH Single Banjo

RoHS compliant



Metric thread type

Unit : mm

Model code	Tube O.D. ØD	R	A	B	L1	L2	ØP1	ØP2	Tube end C	E	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name					
PH4-M5 (4)⑤	4	M5 × 0.8	3 [3.2]	17.2	142 [14]	6.2 [6]	10	9.8	14.9	21.2	8	2	7.5	PH4-M5(#5)					
PH4-M6 (4)⑤		M6 × 1	3.9	18.2	14.3	6.3								3.4	7.4	PH4-M6			
PH4-01 (4)⑤		R1/8	8	27	23	12								15.4	22.2	14	4.6	21	PH4-01
PH6-M5 (4)⑤	6	M5 × 0.8	3 [3.2]	17.2	142 [14]	7.4 [7.2]	12.5	9.8	17	23.1	8	1.9	8.3	PH6-M5(#5)					
PH6-M6 (4)⑤		M6 × 1	3.9	18.2	14.3	7.5								3.3	PH6-M6				
PH6-01 (4)⑤		R1/8	8	27	23	12								15.4	24.2	14	10.9	22	PH6-01
PH6-02 (4)⑤		R1/4	11	31.5	25.5	13.5								19.6	26.8	17	11.6	36	PH6-02
PH8-01 (4)⑤	8	R1/8	8	27	23	12.3	14.5	15.4	18.1	26.2	14	14.9	23	PH8-01					
PH8-02 (4)⑤		R1/4	11	31.5	25.5	13.5								19.6	28.2	17	19.7	38	PH8-02
PH8-03 (4)⑤		R3/8	12	36	29.7	15.7								24.4	30.2	21	21.4	60	PH8-03
PH10-02 (4)⑤	10	R1/4	11	31.5	25.5	15	18	19.6	20.2	30.5	17	23.1	41	PH10-02					
PH10-03 (4)⑤		R3/8	12	36	29.7	15.7								24.4	32.5	21	31.5	63	PH10-03
PH12-03 (4)⑤	12	R3/8	12	36	29.7	17.2	21	24.4	23.4	35.2	21	39.7	66	PH12-03					
PH12-04 (4)⑤		R1/2	13	40.2	32	16.5								30	38.2	24	49.8	97	PH12-04
PH16-03 (4)⑤	16	R3/8	12	46.1	39.8	21.3	25	28	24.1	36.6	24	64.2	92	PH16-03					
PH16-04 (4)⑤		R1/2	15	48.3	40.1	21.6								62.1	105	PH16-04			
PH5/32-M5 (4)⑤	5/32	M5 × 0.8	3 [3.2]	17.2	142 [14]	6.2 [6]	10	9.8	14.9	21.2	8	2	7.5	PH5/32-M5(#5)					
PH5/32-01 (4)⑤		R1/8	8	27	23	12								15.4	22.2	14	4.6	21	PH5/32-01
PH3/16-M5 (4)⑤	3/16	M5 × 0.8	3 [3.2]	17.2	142 [14]	7.4 [7.2]	12.5	9.8	17.4	23.5	8	1.9	8.4	PH3/16-M5(#5)					
PH3/16-01 (4)⑤		R1/8	8	27	23	12								15.4	24.6	14	5.5	21	PH3/16-01
PH3/16-02 (4)⑤		R1/4	11	31.5	25.5	13.5								19.6	27.2	17	6.1	35	PH3/16-02
PH1/4-M5 (4)⑤	1/4	M5 × 0.8	3 [3.2]	17.2	142 [14]	7.4 [7.2]	12.5	9.8	17	23.1	8	1.9	8.1	PH1/4-M5(#5)					
PH1/4-01 (4)⑤		R1/8	8	27	23	12								15.4	24.2	14	10.9	22	PH1/4-01
PH1/4-02 (4)⑤		R1/4	11	31.5	25.5	13.5								19.6	26.8	17	11.6	36	PH1/4-02
PH5/16-01 (4)⑤	5/16	R1/8	8	27	23	12.3	14.5	15.4	18.1	26.2	14	14.9	23	PH5/16-01					
PH5/16-02 (4)⑤		R1/4	11	31.5	25.5	13.5								19.6	28.2	17	19.7	38	PH5/16-02
PH5/16-03 (4)⑤		R3/8	12	36	29.7	15.7								24.4	30.2	21	21.4	60	PH5/16-03
PH3/8-02 (4)⑤	3/8	R1/4	11	31.5	25.5	15	18	19.6	20.2	30.5	17	23.1	41	PH3/8-02					
PH3/8-03 (4)⑤		R3/8	12	36	29.7	15.7								24.4	32.5	21	31.5	63	PH3/8-03
PH1/2-03 (4)⑤	1/2	R3/8	12	36	29.7	17.2	21	24.4	23.7	35.5	21	39.7	65	PH1/2-03					
PH1/2-04 (4)⑤		R1/2	13	40.2	32	16.5								30	38.5	24	49.8	97	PH1/2-04

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

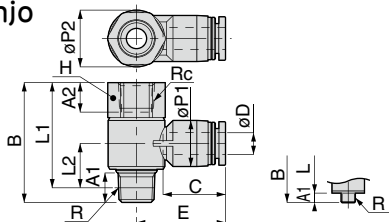
※ 3. "L1" and "L2" are reference values for height dimensions after tightening taper thread.

※ 4. Dimensions in [] are for clean-room package products

※ 5. Visit PISCO website for CAD data of clean-room package products.

PHF Link-up Banjo

RoHS compliant



Metric thread type

Unit : mm

形式	Tube O.D. øD	R&Rc	A1	A2	B	L1	L2	øP1	øP2	Tube end C	E	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name
PHF4-M5(4)⑤	4	M5×0.8	2.9 [3.1]	5	20.1	17.2 [17]	7.2 [7]	9.9	9.8	14.9	19.9	8	1.7	7.9	PHF4-M5(※5)
PHF4-01(4)⑤		R1/8	8	7	32.5	28.5	12	10	15.4		22.2	14	4.8	23	PHF4-01
PHF6-M5(4)⑤	6	M5×0.8	2.9 [3.1]	5	20.1	17.2 [17]	8.4 [8.2]	12.4	9.8	17	24	8	1.6	9	PHF6-M5(※5)
PHF6-01(4)⑤		R1/8	8	7	32.5	28.5	12	12.5	15.4		26.8	17	10.2	38	PHF6-01
PHF6-02(4)⑤		R1/4	11	9.5	38.5	32.5	13.5	19.6			26.8	17	10.2	38	PHF6-02
PHF8-01(4)⑤	8	R1/8	8	7	32.5	28.5	12.3	15.4		18.1	26.2	14	10.3	25	PHF8-01
PHF8-02(4)⑤		R1/4	11	9.5	38.5	32.5	13.5	14.5	19.6		28.2	17	15.5	39	PHF8-02
PHF8-03(4)⑤		R3/8	12	10.5	44.5	38.2	15.7	24.4			30.2	21	18.9	63	PHF8-03
PHF10-02(4)⑤	10	R1/4	11	9.5	38.5	32.5	15	18	19.6	20.2	30.5	17	15.4	42	PHF10-02
PHF10-03(4)⑤		R3/8	12	10.5	44.5	38.2	15.7	24.4			32.5	21	24.9	66	PHF10-03
PHF12-03(4)⑤	12	R3/8	12	10.5	44.5	38.2	17.2	21	24.4	23.4	35.2	21	28.3	69	PHF12-03
PHF12-04(4)⑤		R1/2	13	13	52.2	44	16.5		30		38.2	24	42.6	102	PHF12-04
PHF5/32-M5(4)⑤	5/32	M5×0.8	2.9 [3.1]	5	20.1	17.2 [17]	7.2 [7]	9.9	9.8	14.9	19.9	8	1.7	7.9	PHF5/32-M5(※5)
PHF5/32-01(4)⑤		R1/8	8	7	32.5	28.5	12	10	15.4		22.2	14	4.8	23	PHF5/32-01
PHF3/16-M5(4)⑤	3/16	M5×0.8	2.9 [3.1]	5	20.1	17.2 [17]	8.4 [8.2]	12.4	9.8	17.4	24.4	8	1.2	8.9	PHF3/16-M5(※5)
PHF3/16-01(4)⑤		R1/8	8	7	32.5	28.5	12	12.5	15.4		27.2	17	5.7	37	PHF3/16-01
PHF3/16-02(4)⑤		R1/4	11	9.5	38.5	32.5	13.5	19.6			27.2	17	5.7	37	PHF3/16-02
PHF1/4-M5(4)⑤	1/4	M5×0.8	2.9 [3.1]	5	20.1	17.2 [17]	8.4 [8.2]	12.4	9.8	17	24	8	1.6	8.9	PHF1/4-M5(※5)
PHF1/4-01(4)⑤		R1/8	8	7	32.5	28.5	12	12.5	15.4		26.8	17	11.6	38	PHF1/4-01
PHF1/4-02(4)⑤		R1/4	11	9.5	38.5	32.5	13.5	19.6			26.8	17	11.6	38	PHF1/4-02
PHF5/16-01(4)⑤	5/16	R1/8	8	7	32.5	28.5	12.3	15.4		18.1	26.2	14	10.3	25	PHF5/16-01
PHF5/16-02(4)⑤		R1/4	11	9.5	38.5	32.5	13.5	14.5	19.6		28.2	17	15.5	39	PHF5/16-02
PHF5/16-03(4)⑤		R3/8	12	10.5	44.5	38.2	15.7	24.4			30.2	21	18.9	63	PHF5/16-03
PHF3/8-02(4)⑤	3/8	R1/4	11	9.5	38.5	32.5	15	19.6		20.2	30.5	17	18.1	43	PHF3/8-02
PHF3/8-03(4)⑤		R3/8	12	10.5	44.5	38.2	15.7	18	24.4		32.5	21	22.8	66	PHF3/8-03
PHF1/2-03(4)⑤	1/2	R3/8	12	10.5	44.5	38.2	17.2	21	24.4	23.7	35.5	21	28.3	67	PHF1/2-03
PHF1/2-04(4)⑤		R1/2	13	13	52.2	44	16.5		30		38.5	24	42.6	102	PHF1/2-04

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 3. "L" is a reference value for height dimension after tightening taper thread.
- ※ 4. Dimensions in [] are for clean-room package products
- ※ 5. Visit PISCO website for CAD data of clean-room package products.

FITTING
 CONTROLLER
 VALVE
 TUBE
 MAKE-TO-ORDER
 PRODUCTS
 70
 Standard Series
 Mini Series
 Stainless Series
 Chemical Series
 PP Series
 EG Series
 Anti-static & Pass Series
 The Temperature Control
 Minimal Series
 Stop Fitting Series
 Rotary Series
 Twist-Proof Fitting
 Block and Connector
 Coupling
 Color Cap



Page for special specifications



3D CAD data is available at PISCO website.



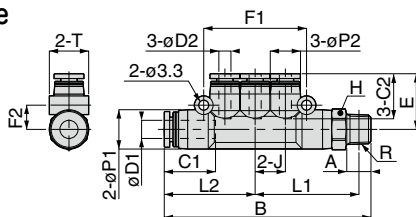
CAD data is available at PISCO website.

Tube Fitting

FITTING

PKD Triple Run Tee

RoHS compliant



Unit : mm

形式	Tube O.D. øD1	Tube O.D. øD2	R	A	B	E	L1	L2	J	øP1	øP2	Tube end C1	Tube end C2	F1	F2	Hex. H	T	Effective area (mm ²)	Weight (g)	CAD file name
PKD6-4-01④⑤	6	4	R1/8	8	68.4	18.4	34.3	30.1	10	13	10	17	14.9	34	8	12	13	5	24	PKD6-4-01
PKD8-4-02④⑤	8	4	R1/4	11	73.7	19.2	36.5	31.2	10	15	10	18.1	14.9	34	9.2	14	15	5.2	34	PKD8-4-02
PKD8-6-02④⑤		6		80.7	21.3	40	34.7	12	10	13	17		40.2	9	9.6			37	PKD8-6-02	
PKD10-8-03④⑤	10	8	R3/8	12	93	23.7	46.7	40	14	17.5	15	20.7	18.1	46.2	10.5	17	17.5	19.1	60	PKD10-8-03

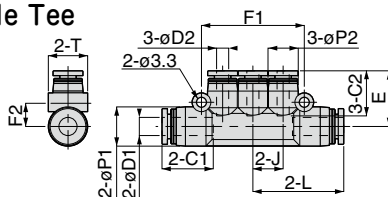
※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

※ 3. "L1" is a reference value for height dimension after tightening thread.

PKG Unequal Triple Tee

RoHS compliant



Unit : mm

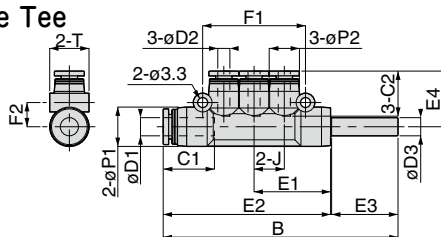
Model code	Tube O.D. øD1	Tube O.D. øD2	L	E	J	øP1	øP2	Tube end C1	Tube end C2	F1	F2	T	Effective area (mm ²)	Weight (g)	CAD file name
PKG6-4④⑤	6	4	30.05	18.4	10	13	10	17	14.9	34	8	13	5	16	PKG6-4
PKG8-4④⑤	8	4	31.2	19.2	10	15	10	18.1	14.9	34	9.2	15	6	20	PKG8-4
PKG8-6④⑤		6	34.7	21.3	12		13		17	40.2	9		10.1	23	PKG8-6
PKG10-6④⑤	10	6	40	23.8	14	17.5	15	20.7	17	46.2	10.5	17.5	11.2	31	PKG10-6
PKG10-8④⑤		8		23.7					18.1				18.1	33	PKG10-8

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PKJ Plug-in Triple Tee

RoHS compliant



Unit : mm

Model code	Tube O.D. øD1	Tube O.D. øD2	Tube dia. øD3	B	J	E1	E2	E3	E4	øP1	øP2	Tube end C1	Tube end C2	F1	F2	T	Effective area (mm ²)	Weight (g)	CAD file name
PKJ6-4④⑤	6	4	6	77.7	10	25.3	55.4	22	18.4	13	10	17	14.9	34	8	13	4	15	PKJ6-4
PKJ8-4④⑤	8	4	8	81.2	10	26.5	57.7	23.2	19.2	15	10	18.1	14.9	34	9.2	15	4.4	18	PKJ8-4
PKJ8-6④⑤		6		88.2	12	30	64.7		21.3				13	17	40.2		9	10	21
PKJ10-8④⑤	10	8	10	100	14	35	75	25	23.7	17.5	15	20.7	18.1	46.2	10.5	17.5	20.3	31	PKJ10-8

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package



Page for special specifications



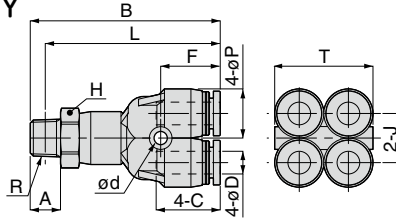
3D CAD data is available at PISCO website.



CAD data is available at PISCO website.

PRX Double Branch Y

RoHS compliant



OP P.754

3D CAD

CAD

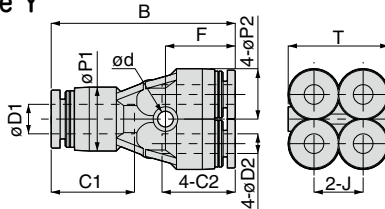
Unit : mm

Model code	Tube O.D. øD	R	A	B	L	øP	Tube end C	J	Hex. H	ød	F	T	Effective area (mm ²)	Weight (g)	CAD file name
PRX4-01 ④⑤	4	R1/8	8	45.7	41.7	10.5	14.9	10	12	3.2	14.2	20.5	1.5	22	PRX4-01
PRX4-02 ④⑤		R1/4	11	48.7	42.7	13	17	13	14				1.4	30	PRX4-02
PRX6-01 ④⑤	6	R1/8	8	50.3	46.3	13	17	13	14	3.5	15.8	26	9	29	PRX6-01

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 3. "L" is a reference value for height dimension after tightening thread.

PRG Unequal Double Y

RoHS compliant



OP P.754

3D CAD

CAD

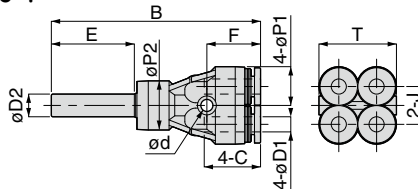
Unit : mm

Model code	Tube O.D. øD1	Tube O.D. øD2	B	øP1	øP2	Tube end C1	Tube end C2	J	ød	F	T	Effective area (mm ²)	Weight (g)	CAD file name
PRG6-4 ④⑤	6	4	37.5	13	10.5	17	14.9	10	3.2	14.2	20.5	1.5	14	PRG6-4
PRG8-6 ④⑤	8	6	42	14	13	18.2	17	13	3.5	15.8	26	8.2	21	PRG8-6

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PRJ Plug-in Double Y

RoHS compliant



OP P.754

3D CAD

CAD

Unit : mm

Model code	Tube O.D. øD1	Tube dia. øD2	B	E	J	øP1	øP2	Tube end C	ød	F	T	Effective area (mm ²)	Weight (g)	CAD file name
PRJ6-4 ④⑤	4	6	55.3	22	10	10.5	13	14.9	3.2	14.2	20.5	1.5	13	PRJ6-4
PRJ8-6 ④⑤	6	8	60.8	23.2	13	13	14	17	3.5	15.8	26	7.1	19	PRJ8-6

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

Tube Fitting

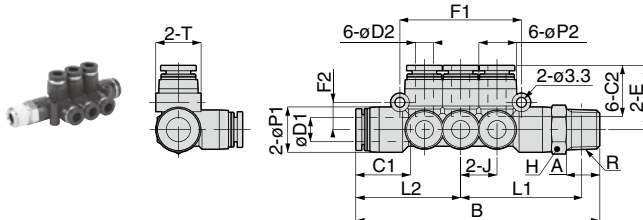
FITTING PKVD Twin Triple Run Tee

RoHS compliant

OP. P.754

3D CAD

CAD



Unit : mm

形式	Tube O.D. øD1	Tube O.D. øD2	R	A	B	E	L1	L2	J	øP1	øP2	Tube end C1	Tube end C2	F1	F2	Hex. H	T	Effective area (mm ²)	Weight (g)	CAD file name					
PKVD8-4-02④⑤	8	4	R1/4	11	80.7	20.7	40	34.7	12	15	13	18.1	14.9	40.2	9	14	15	4.5	45	PKVD8-4-02					
R3/8			12	82.5	4.6													58	PKVD8-4-03						
PKVD8-6-02④⑤		6	R1/4	11	80.7	21.3	40						40	14	17.5	15	20.2	17	46.2	10.5	17	17.5	10.2	47	PKVD8-6-02
R3/8			12	82.5	10.3																		60	PKVD8-6-03	
PKVD10-6-03④⑤	10	6	R3/8	12	93	23.8	46.7	40	14	17.5	15	17						46.2	10.5	17	17.5	10.6	70	PKVD10-6-03	
PKVD10-6-04④⑤			R1/2	15	96																	23.7	47.8	17	20.6
PKVD10-8-03④⑤		8	R3/8	12	93	23.7	47.8					17	20.6	74	10.7	44	PKVD10-8-03								
PKVD10-8-04④⑤			R1/2	15	96										19.4	96	PKVD10-8-04								

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

※ 3. "L1" is a reference value for height dimension after tightening thread.

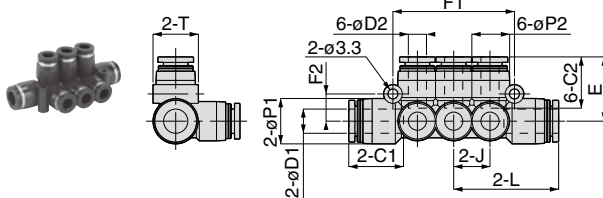
PKVG Unequal Twin Triple Tee

RoHS compliant

OP. P.754

3D CAD

CAD



Unit : mm

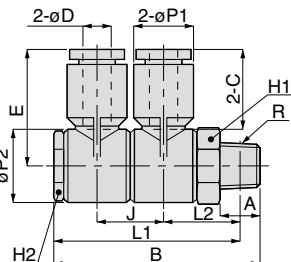
Model code	Tube O.D. øD1	Tube O.D. øD2	L	E	J	øP1	øP2	Tube end C1	Tube end C2	F1	F2	T	Effective area (mm ²)	Weight (g)	CAD file name
PKVG8-4④⑤	8	4	34.7	20.7	12	15	13	18.1	14.9	40.2	9	15	4.5	31	PKVG8-4
PKVG8-6④⑤		6		21.3					17						
PKVG10-6④⑤	10	6	40	23.8	14	17.5	15	20.2	17	46.2	10.5	17.5	10.7	44	PKVG10-6
PKVG10-8④⑤		8		23.7					18.1						

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PHW Double Banjo

RoHS compliant



Unit : mm

Model code	Tube O.D. øD	R	A	B	L1	L2	J	øP1	øP2	Tube end C	E	Hex. H1	Hex. H2	Effective area (mm ²)	Weight (g)	CAD file name
PHW4-01 (4)⑤	4	R1/8	8	43.3	39.4	16	14	10	15.4	14.9	22.2	14	14	5.1	30	PHW4-01
PHW4-02 (4)⑤		R1/4	11	46.3	40.3	17								4.4	36	PHW4-02
PHW4-03 (4)⑤		R3/8	12	48.3	42	18.7								4.5	49	PHW4-03
PHW6-01 (4)⑤	6	R1/8	8	43.3	39.4	16	14	12.5	15.4	17	24.2	14	14	9.3	32	PHW6-01
PHW6-02 (4)⑤		R1/4	11	46.3	40.3	17								9.5	51	PHW6-02
PHW6-03 (4)⑤		R3/8	12	48.3	42	18.7								9.5	51	PHW6-03
PHW8-01 (4)⑤	8	R1/8	8	46.2	42.3	17.5	15	14.5	19.6	18.1	28.2	17	17	14.2	48	PHW8-01
PHW8-02 (4)⑤		R1/4	11	49.2	43.2	18.5								15.3	51	PHW8-02
PHW8-03 (4)⑤		R3/8	12	50.2	43.9	19.2								15	59	PHW8-03
PHW8-04 (4)⑤		R1/2	15	55.2	47.1	22.3								15.1	90	PHW8-04
PHW10-02 (4)⑤	10	R1/4	11	57.8	51.8	22	18	18	24.4	20.2	32.5	22	22	21.6	91	PHW10-02
PHW10-03 (4)⑤		R3/8	12	58.8	52.4	22.7								23.2	96	PHW10-03
PHW10-04 (4)⑤		R1/2	15	61.8	53.6	23.8								23.3	111	PHW10-04
PHW12-02 (4)⑤	12	R1/4	11	67.4	61.4	26.5	21	21	30	23.4	38.2	27	27	30	146	PHW12-02
PHW12-03 (4)⑤		R3/8	12	68.4	62.1	27.2								31.4	151	PHW12-03
PHW12-04 (4)⑤		R1/2	15	71.4	63.3	28.3								30.8	159	PHW12-04
PHW14-01 (4)⑤	1/4	R1/8	8	43.3	39.4	16	14	12.5	15.4	17	24.2	14	14	15.3	31	PHW14-01
PHW14-02 (4)⑤		R1/4	11	46.3	40.3	17								15	37	PHW14-02
PHW14-03 (4)⑤		R3/8	12	48.3	42	18.7								15.1	51	PHW14-03
PHW5/16-02 (4)⑤	5/16	R1/4	11	49.2	43.2	18.5	15	14.5	19.6	18.1	28.2	17	17	10.1	51	PHW5/16-02
PHW5/16-03 (4)⑤		R3/8	12	50.2	43.9	19.2								9.9	59	PHW5/16-03
PHW5/16-04 (4)⑤		R1/2	15	55.2	47.1	22.3								10.2	90	PHW5/16-04
PHW3/8-02 (4)⑤	3/8	R1/4	11	57.8	51.8	22	18	18	24.4	20.2	32.5	22	22	21.4	91	PHW3/8-02
PHW3/8-03 (4)⑤		R3/8	12	58.8	52.4	22.7								21.7	97	PHW3/8-03
PHW3/8-04 (4)⑤		R1/2	15	61.8	53.6	23.8								22.6	111	PHW3/8-04

- ※ 1. ④ in Model code / Replaced with "W" for Light-gray color
- ※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 3. "L1" and "L2" are reference values for height dimensions after tightening thread.

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 Minimal Series
 Stop Fitting Series
 Rotary Series
 Twist-Proof Fitting
 Block and Connector
 Coupling
 Color Cap



Page for special specifications



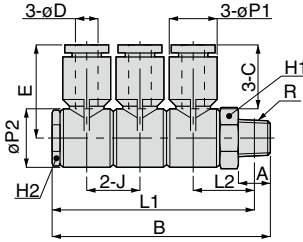
3D CAD data is available at PISCO website.



CAD data is available at PISCO website.

PHT Triple Banjo

RoHS compliant



Unit : mm

Model code	Tube O.D. øD	R	A	B	L1	L2	J	øP1	øP2	Tube end C	E	Hex. H1	Hex. H2	Effective area (mm ²)	Weight (g)	CAD file name		
PHT4-01 ④⑤	4	R1/8	8	57.4	53.5	16	14	10	15.4	14.9	22.2	14	14	4.7	39	PHT4-01		
PHT4-02 ④⑤		R1/4	11	60.4	54.4	17										4.3	44	PHT4-02
PHT4-03 ④⑤		R3/8	12	62.4	56.1	18.7										4.2	58	PHT4-03
PHT6-01 ④⑤	6	R1/8	8	57.4	53.5	16	14	12.5	15.4	17	24.2	14	14	9.6	41	PHT6-01		
PHT6-02 ④⑤		R1/4	11	60.4	54.4	17										9.7	47	PHT6-02
PHT6-03 ④⑤		R3/8	12	62.4	56.1	18.7										9.5	60	PHT6-03
PHT8-01 ④⑤	8	R1/8	8	61.2	57.3	17.5	15	14.5	19.6	18.1	28.2	17	17	14.3	62	PHT8-01		
PHT8-02 ④⑤		R1/4	11	64.2	58.2	18.5										15.5	66	PHT8-02
PHT8-03 ④⑤		R3/8	12	65.2	58.9	19.2										15.1	73	PHT8-03
PHT8-04 ④⑤		R1/2	15	70.2	62.1	22.3												105
PHT10-02 ④⑤	10	R1/4	11	75.8	69.8	22	18	18	24.4	20.2	32.5	22	22	21.9	115	PHT10-02		
PHT10-03 ④⑤		R3/8	12	76.8	70.4	22.7										22.7	121	PHT10-03
PHT10-04 ④⑤		R1/2	15	79.8	71.6	23.8										22.6	135	PHT10-04
PHT12-02 ④⑤	12	R1/4	11	88.5	82.5	26.5	21	21	30	23.4	38.2	27	27	30.3	182	PHT12-02		
PHT12-03 ④⑤		R3/8	12	89.5	83.2	27.2										30.6	188	PHT12-03
PHT12-04 ④⑤		R1/2	15	92.5	84.4	28.3										31.5	196	PHT12-04
PHT14-01 ④⑤	1/4	R1/8	8	57.4	53.5	16	14	12.5	15.4	17	24.2	14	14	9.8	41	PHT14-01		
PHT14-02 ④⑤		R1/4	11	60.4	54.4	17										10	47	PHT14-02
PHT14-03 ④⑤		R3/8	12	62.4	56.1	18.7										9.8	60	PHT14-03
PHT5/16-02 ④⑤	5/16	R1/4	11	64.2	58.2	18.5	15	14.5	19.6	18.1	28.2	17	17	15.5	66	PHT5/16-02		
PHT5/16-03 ④⑤		R3/8	12	65.2	58.9	19.2										15.1	73	PHT5/16-03
PHT5/16-04 ④⑤		R1/2	15	70.2	62.1	22.3												105
PHT3/8-02 ④⑤	3/8	R1/4	11	75.8	69.8	22	18	18	24.4	20.2	32.5	22	22	20.9	116	PHT3/8-02		
PHT3/8-03 ④⑤		R3/8	12	76.8	70.4	22.7										22.3	121	PHT3/8-03
PHT3/8-04 ④⑤		R1/2	15	79.8	71.6	23.8										22.3	136	PHT3/8-04

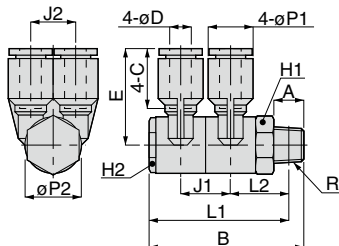
※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

※ 3. "L1" and "L2" are reference values for height dimensions after tightening thread.

PAW Double Twin Banjo

RoHS compliant



Unit : mm

Model code	Tube O.D. øD	R	A	B	L1	L2	J1	J2	øP1	øP2	Tube end C	E	Hex. H1	Hex. H2	Effective area (mm ²)	Weight (g)	CAD file name
PAW4-01 (4)⑤	4	R1/8	8	43.3	39.4	16	14	10	10	15.4	14.9	22.2	14	14	4.3	35	PAW4-01
PAW4-02 (4)⑤		R1/4	11	46.3	40.3	17							40		PAW4-02		
PAW4-03 (4)⑤		R3/8	12	48.3	42	18.7							4.2		54	PAW4-03	
PAW6-01 (4)⑤	6	R1/8	8	43.3	39.4	16	14	12	12.4	15.4	17	26.2	14	14	6.9	38	PAW6-01
PAW6-02 (4)⑤		R1/4	11	46.3	40.3	17							7		44	PAW6-02	
PAW6-03 (4)⑤		R3/8	12	48.3	42	18.7							6.9		57	PAW6-03	
PAW8-01 (4)⑤	8	R1/8	8	46.2	42.3	17.5	15	14	14.4	19	18.2	29.1	17	17	12.4	57	PAW8-01
PAW8-02 (4)⑤		R1/4	11	49.2	43.2	18.5									13.9	60	PAW8-02
PAW8-03 (4)⑤		R3/8	12	50.2	43.9	19.2									14	67	PAW8-03
PAW8-04 (4)⑤		R1/2	15	55.2	47.1	22.3										99	PAW8-04
PAW10-02 (4)⑤	10	R1/4	11	57.8	51.8	22	18	17	17.6	23	20.7	33.5	22	22	21.6	104	PAW10-02
PAW10-03 (4)⑤		R3/8	12	58.8	52.4	22.7									21.3	110	PAW10-03
PAW10-04 (4)⑤		R1/2	15	61.8	53.6	23.8									22.2	124	PAW10-04
PAW12-02 (4)⑤	12	R1/4	11	67.4	61.4	26.5	21	20	21	27	23.4	37.4	27	27	43.2	163	PAW12-02
PAW12-03 (4)⑤		R3/8	12	68.4	62.1	27.2									44.4	168	PAW12-03
PAW12-04 (4)⑤		R1/2	15	71.4	63.3	28.3									45.4	176	PAW12-04
PAW1/4-01 (4)⑤	1/4	R1/8	8	43.3	39.4	16	14	12	12.4	15.4	17	26.2	14	14	7	38	PAW1/4-01
PAW1/4-02 (4)⑤		R1/4	11	46.3	40.3	17							44		PAW1/4-02		
PAW1/4-03 (4)⑤		R3/8	12	48.3	42	18.7							7.1		57	PAW1/4-03	
PAW5/16-02 (4)⑤	5/16	R1/4	11	49.2	43.2	18.5	15	14	14.4	19	18.2	29.1	17	17	13.9	60	PAW5/16-02
PAW5/16-03 (4)⑤		R3/8	12	50.2	43.9	19.2									67	PAW5/16-03	
PAW5/16-04 (4)⑤		R1/2	15	55.2	47.1	22.3									14	99	PAW5/16-04
PAW3/8-02 (4)⑤		R1/4	11	57.8	51.8	22										20.4	105
PAW3/8-03 (4)⑤	3/8	R3/8	12	58.8	52.4	22.7	18	17	17.6	23	20.7	33.5	22	22	21.1	110	PAW3/8-03
PAW3/8-04 (4)⑤		R1/2	15	61.8	53.6	23.8									20.7	125	PAW3/8-04

- * 1. ④ in Model code / Replaced with "W" for Light-gray color
- * 2. ⑤ in Model code / Replaced with "C" for Clean-room package
- * 3. "L1" and "L2" are reference values for height dimensions after tightening thread.

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 EG Series
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 The Compressed Air
 Minimal Series
 Stop Fitting Series
 Rotary Series
 Twist-Proof Fitting
 Block and Connector
 Coupling
 Color Cap

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Page for special specifications



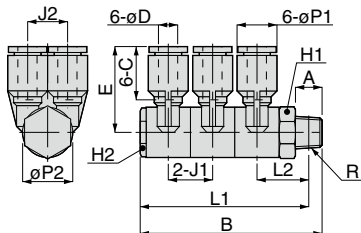
3D CAD data is available at PISCO website.



CAD data is available at PISCO website.

PAT Triple Twin Banjo

RoHS compliant



Unit : mm

Model code	Tube O.D. φD	R	A	B	L1	L2	J1	J2	φP1	φP2	Tube end C	E	Hex. H1	Hex. H2	Effective area (mm ²)	Weight (g)	CAD file name
PAT4-01 ④⑤	4	R1/8	8	57.4	53.5	16	14	10	10	15.4	14.9	22.2	14	14	4.8	46	PAT4-01
PAT4-02 ④⑤		R1/4	11	60.4	54.4	17							4.4		51	PAT4-02	
PAT4-03 ④⑤		R3/8	12	62.4	56.1	18.7							4.2		65	PAT4-03	
PAT6-01 ④⑤	6	R1/8	8	57.4	53.5	16	14	12	12.4	15.4	17	26.2	14	14	6.7	51	PAT6-01
PAT6-02 ④⑤		R1/4	11	60.4	54.4	17							6.8		57	PAT6-02	
PAT6-03 ④⑤		R3/8	12	62.4	56.1	18.7							70		70	PAT6-03	
PAT8-01 ④⑤	8	R1/8	8	61.2	57.3	17.5	15	14	14.4	19	18.2	29.1	17	17	13.3	76	PAT8-01
PAT8-02 ④⑤		R1/4	11	64.2	58.2	18.5									13.5	79	PAT8-02
PAT8-03 ④⑤		R3/8	12	65.2	58.9	19.2									13.9	86	PAT8-03
PAT8-04 ④⑤		R1/2	15	70.2	62.1	22.3							14		118	PAT8-04	
PAT10-02 ④⑤	10	R1/4	11	75.8	69.8	22	18	17	17.6	23	20.7	33.5	22	22	21.3	135	PAT10-02
PAT10-03 ④⑤		R3/8	12	76.8	70.4	22.7									141	141	PAT10-03
PAT10-04 ④⑤		R1/2	15	79.8	71.6	23.8									22	156	PAT10-04
PAT12-02 ④⑤	12	R1/4	11	88.5	82.5	26.5	21	20	21	27	23.4	37.4	27	27	43.1	207	PAT12-02
PAT12-03 ④⑤		R3/8	12	89.5	83.2	27.2									44.8	213	PAT12-03
PAT12-04 ④⑤		R1/2	15	92.5	84.4	28.3									45.8	221	PAT12-04
PAT1/4-01 ④⑤	1/4	R1/8	8	57.4	53.5	16	14	12	12.4	15.4	17	26.2	14	14	7	51	PAT1/4-01
PAT1/4-02 ④⑤		R1/4	11	60.4	54.4	17							7.2		56	PAT1/4-02	
PAT1/4-03 ④⑤		R3/8	12	62.4	56.1	18.7							7.1		70	PAT1/4-03	
PAT5/16-02 ④⑤	5/16	R1/4	11	64.2	58.2	18.5	15	14	14.4	19	18.2	29.1	17	17	13.5	79	PAT5/16-02
PAT5/16-03 ④⑤		R3/8	12	65.2	58.9	19.2							13.9		86	PAT5/16-03	
PAT5/16-04 ④⑤		R1/2	15	70.2	62.1	22.3							14		118	PAT5/16-04	
PAT3/8-02 ④⑤	3/8	R1/4	11	75.8	69.8	22	18	17	17.6	23	20.7	33.5	22	22	20.5	137	PAT3/8-02
PAT3/8-03 ④⑤		R3/8	12	76.8	70.4	22.7							20.8		142	PAT3/8-03	
PAT3/8-04 ④⑤		R1/2	15	79.8	71.6	23.8							20.9		157	PAT3/8-04	

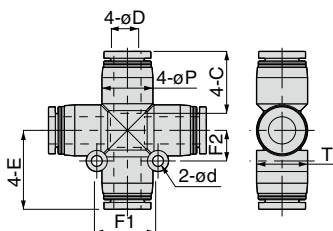
※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

※ 3. "L1" and "L2" are reference values for height dimensions after tightening thread.

PZA Union Cross

RoHS compliant



Unit : mm

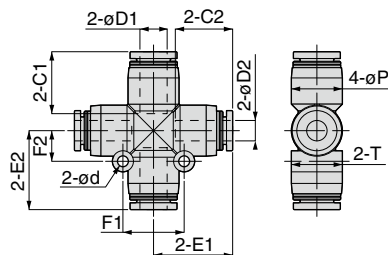
Model code	Tube O.D. øD	E	øP	Tube end C	F1	F2	ød	T	Effective area (mm ²)	Weight (g)	CAD file name
PZA8④⑤	8	23.2	15	18.2	18	9	3.2	15	17.5	20	PZA8
PZA10④⑤	10	27	17.5	20.7	22.5	11.3	4.2	17.5	29.3	32	PZA10
PZA12④⑤	12	30.7	21	23.4	24.5	12.3	4.2	21	43.6	46	PZA12
PZA1/4④⑤	1/4	20.95	13	17	18	9	3.2	13	10.2	14	PZA1'4
PZA5/16④⑤	5/16	23.2	15	18.2	18	9	3.2	15	17.5	20	PZA5'16
PZA3/8④⑤	3/8	27	17.5	20.7	22.5	11.3	4.2	17.5	22.8	33	PZA3'8
PZA1/2④⑤	1/2	31	21	23.7	24.5	12.3	4.2	21	46.3	44	PZA1'2

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PZB Unequal Cross

RoHS compliant



Unit : mm

Model code	Tube O.D. øD1	Tube O.D. øD2	E1	E2	øP	Tube end C1	Tube end C2	F1	F2	ød	T	Effective area (mm ²)	Weight (g)	CAD file name
PZB8-6④⑤	8	6	23.25	23.2	15	18.2	16.9	18	9	3.2	15	10.6	20	PZB8-6
PZB10-8④⑤	10	8	26.7	27	17.5	20.7	18.2	22.5	11.3	4.2	17.5	19.3	29	PZB10-8
PZB12-10④⑤	12	10	30.5	30.7	21	23.4	20.7	24.5	12.3	4.2	21	30.8	44	PZB12-10
PZB5/16-1/4④⑤	5/16	1/4	23.25	23.2	15	18.2	16.9	18	9	3.2	15	13.5	19	PZB5'16-1'4
PZB3/8-5/16④⑤	3/8	5/16	26.7	27	17.5	20.7	18.2	22.5	11.3	4.2	17.5	19	30	PZB3'8-5'16
PZB1/2-3/8④⑤	1/2	3/8	30.5	31	21	23.7	20.7	24.5	12.3	4.2	21	27.1	44	PZB1'2-3'8

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

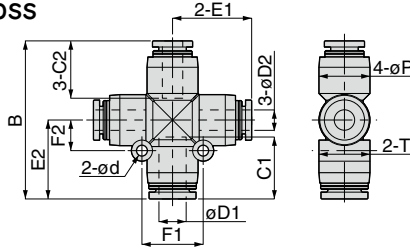
※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

Tube Fitting

FITTING

PZC Reducing Cross

RoHS compliant



OP P.754

3D CAD

CAD

Unit : mm

Model code	Tube O.D. øD1	Tube O.D. øD2	B	E1	E2	øP	Tube end C1	Tube end C2	F1	F2	ød	T	Effective area (mm ²)	Weight (g)	CAD file name
PZC8-6④⑤	8	6	46.5	23.25	23.2	15	18.2	16.9	18	9	3.2	15	9	19	PZC8-6
PZC10-8④⑤	10	8	53.7	26.7	27	17.5	20.7	18.2	22.5	11.3	4.2	17.5	17.4	28	PZC10-8
PZC12-10④⑤	12	10	61.2	30.5	30.7	21	23.4	20.7	24.5	12.3	4.2	21	29.3	44	PZC12-10
PZC5/16-1/4④⑥	5/16	1/4	46.45	23.25	23.2	15	18.2	16.9	18	9	3.2	15	12	19	PZC5/16-1/4
PZC3/8-5/16④⑥	3/8	5/16	53.7	26.7	27	17.5	20.7	18.2	22.5	11.3	4.2	17.5	18.2	28	PZC3/8-5/16
PZC1/2-3/8④⑥	1/2	3/8	61.5	30.5	31	21	23.7	20.7	24.5	12.3	4.2	21	17.4	44	PZC1/2-3/8

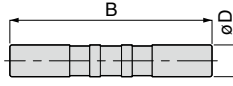
※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PIJ Union Stem

Renewal

RoHS compliant



Unit : mm

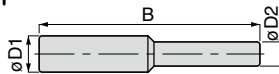
Model code	Tube dia. øD	B	Effective area (mm ²)	Weight (g)	CAD file name
PIJ4④⑤	4	34.8	4.2	0.3	PIJ4
PIJ6④⑤	6	38.2	11.2	0.6	PIJ6
PIJ8④⑤	8	41.4	24.2	1	PIJ8
PIJ10④⑤	10	46.2	37.1	1.7	PIJ10
PIJ12④⑤	12	52.8	56	2.8	PIJ12
PIJ16④⑤	16	55.6	113.7	3.8	PIJ16

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PIG Unequal Union Stem

RoHS compliant



Unit : mm

Model code	Tube dia. øD1	Tube dia. øD2	B	Effective area (mm ²)	Weight (g)	CAD file name
PIG6-4④⑤	6	4	36.7	4.2	0.5	PIG6-4
PIG8-4④⑤	8	4	41.1	4.2	0.9	PIG8-4
PIG8-6④⑤		6	40.5	11.2		PIG8-6
PIG10-6④⑤	10	6	43.7	11.2	1.4	PIG10-6
PIG10-8④⑤		8	44	19	1.3	PIG10-8
PIG12-8④⑤	12	8	47.5	19	2.1	PIG12-8
PIG12-10④⑤		10	49.6	39.7	2.2	PIG12-10
PIG16-10④⑤	16	10	52.5	39.7	4.5	PIG16-10
PIG16-12④⑤		12	54.4	47.5	4.2	PIG16-12

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

OP P.000

Page for special specifications

3D CAD

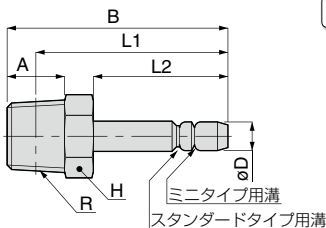
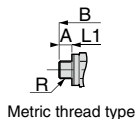
3D CAD data is available at PISCO website.

CAD

CAD data is available at PISCO website.

PTJ PT Jack

RoHS compliant



OP P.754 3D CAD

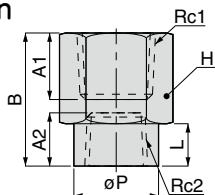
Unit : mm

Model code	Tube dia. ϕD	R	A	B	L1	L2	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name
PTJ4-M5 ⑤	4	M5 × 0.8	3 [3.2]	27.5	24.5 [24.3]	18.5	8	2.2	4.1	PTJ4-M5(※6)
PTJ4-01 ⑤		R1/8	8	30.5	26.5		10	3.8	8.4	PTJ4-01
PTJ6-M5 ⑤	6	M5 × 0.8	3 [3.2]	30.5	27.5 [27.3]	20.5	8	2.2	5.5	PTJ6-M5(※6)
PTJ6-01 ⑤		R1/8	8	32.5	28.5		10	11.1	8.7	PTJ6-01
PTJ6-02 ⑤		R1/4	11	36.5	30.5		14		19	PTJ6-02
PTJ8-01 ⑤		R1/8	8	34	30		10	17.8	8.6	PTJ8-01
PTJ8-02 ⑤	8	R1/4	11	37	31	21	14	23.1	18	PTJ8-02
PTJ8-03 ⑤		R3/8	12	38.8	32.5		17	24.2	31	PTJ8-03
PTJ10-03 ⑤		R3/8	12	41.5	35.2		23.5	17	43.1	30

- ※ 1. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 2. "L1" is a reference value for height dimension after tightening taper thread.
- ※ 3. PTJ with Tube O.D.8mm and 10mm do not have the groove for Mini Series
- ※ 4. PTJ is applicable for PISCO Tube fitting Standard and Mini Series only.
- ※ 5. Dimensions in [] are for clean-room package products
- ※ 6. Visit PISCO website for CAD data of clean-room package products.

PFF Unequal Screw Union

RoHS compliant



OP P.754 3D CAD

Unit : mm

Model code	Rc1	Rc2	A1	A2	B	L	ϕP	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name
PFF01-M5 ⑤	Rc1/8	M5 × 0.8	7	4	17	7	8	14	5.3	12	PFF01-M5
PFF02-01 ⑤	Rc1/4	Rc1/8	9.5	7	21	8	14	17	22.1	23	PFF02-01
PFF03-01 ⑤	Rc3/8	Rc1/8	10.5	7	22	8	14	21	28.8	32	PFF03-01
PFF03-02 ⑤		Rc1/4		9.5	25	11	17		37.7	36	PFF03-02
PFF04-02 ⑤	Rc1/2	Rc1/4	13	9.5	30	11	17	24	50.8	51	PFF04-02
PFF04-03 ⑤		Rc3/8		10.5	33	14	21		89.8	58	PFF04-03

- ※ . ⑤ in Model code / Replaced with "C" for Clean-room package

FITTING CONTROLLER VALVE TUBE MAKE-TO-ORDER PRODUCTS

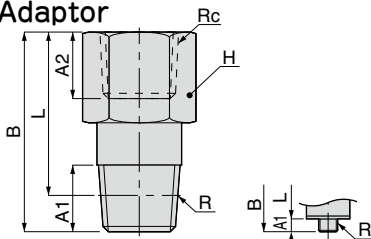
80

Standard Series Mini Series Stainless Series Chemical Series PP Series EG Series

Micro Filter & Press Series The Temperature Control Minimal Series Stop Fitting Series Rotary Series Twist-Proof Fitting Block and Connector Coupling Color Cap

FITTING PF Extension Screw Adaptor

RoHS compliant



Metric thread type

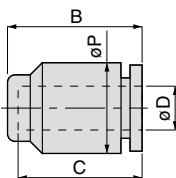
Unit : mm

Model code	R	Rc	A1	A2	B	L	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name
PFM5-M5 ⑤	M5 × 0.8	M5 × 0.8	3 [3.2]	5	19.5	16.5 [16.3]	8	2.2	5.3	PFM5-M5(※4)
PFM5-M5L ⑤		Rc1/8			23	20 [19.8]			6.2	PFM5-M5L(※4)
PFM5-01 ⑤		Rc1/8		7	14.5	11.5 [11.3]			14	2.4
PF01-M5 ⑤	R1/8	M5 × 0.8	8	6	12	8	10	12	5.7	PF01-M5
PF01-01 ⑤		Rc1/8		7	28.5	24.5	14	22	18	PF01-01
PF01-02 ⑤		Rc1/4		9.5	21	17	17	24.1	19	PF01-02
PF01-03 ⑤		Rc3/8		10.5	22	18	21	23.9	28	PF01-03
PF02-M5 ⑤	R1/4	M5 × 0.8	11	6	16	10	14	11.9	16	PF02-M5
PF02-01 ⑤		Rc1/8		7	19	13		24.1	17	PF02-01
PF02-02 ⑤		Rc1/4		9.5	33	27	17	44.7	32	PF02-02
PF02-03 ⑤		Rc3/8		10.5	25	19	21	46.7	32	PF02-03
PF02-04 ⑤		Rc1/2		13	30	24	24	46.5	44	PF02-04
PF03-01 ⑤	R3/8	Rc1/8	12	7	17.5	11.2	17	25.3	25	PF03-01
PF03-02 ⑤		Rc1/4		9.5	22.5	16.2		43	27	PF03-02
PF03-03 ⑤		Rc3/8		10.5	37	30.7	21	68.1	53	PF03-03
PF03-04 ⑤		Rc1/2		13	31	24.7	24	67.5	47	PF03-04
PF04-04 ⑤	R1/2	Rc1/2	15	13	43	34.8	24	80.9	86	PF04-04

- ※ 1. ⑤ in Model code / Replaced with "C" for Clean-room package
- ※ 2. "L" is a reference value for height dimension after tightening taper thread.
- ※ 3. Dimensions in [] are for clean-room package products
- ※ 4. Visit PISCO website for CAD data of clean-room package products.

PPF Cap

RoHS compliant



OP.
P.754

3D
CAD

CAD

Unit : mm

Model code	Tube O.D. øD	B	øP	C	Weight (g)	CAD file name
PPF4④⑤	4	16.4	10	14.9	2.4	PPF4
PPF6④⑤	6	18.5	12.5	17	3.3	PPF6
PPF8④⑤	8	19.9	14.5	18.4	4.7	PPF8
PPF10④⑤	10	22.3	17.5	20.7	7.8	PPF10
PPF12④⑤	12	24.9	21	22.9	12	PPF12
PPF16④⑤	16	27.6	25	24.1	13.2	PPF16
PPF1/4④⑤	1/4	18.5	12.5	17	3.3	PPF1'4
PPF5/16④⑤	5/16	19.9	14.5	18.4	4.7	PPF5'16
PPF3/8④⑤	3/8	22.3	17.5	20.7	7.8	PPF3'8

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

FITTING

CONTROLLER

VALVE

TUBE

MAKE-TO-ORDER
PRODUCTS

82

Standard Series

Mini Series

Stainless Series

Chemical Series

PP Series

EG Series

Anti-siphon & Press Series

Self-Compensating Control

Minimal Series

Stop Fitting Series

Rotary Series

Twist-Proof Fitting

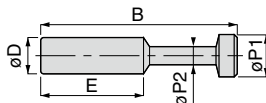
Block and Connector

Coupling

Color Cap

PP Plug

RoHS compliant



OP.
P.754

3D
CAD

CAD

Unit : mm

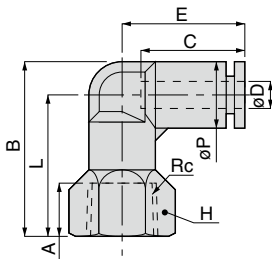
Model code	Tube dia. øD	B	E	øP1	øP2	Weight (g)	CAD file name
PP4④⑤	4	27.5	15	5	3	0.3	PP4
PP6④⑤	6	32.5	17	7	3	0.7	PP6
PP8④⑤	8	36.5	18.1	9	4	1.1	PP8
PP10④⑤	10	42	20.2	11	5	1.9	PP10
PP12④⑤	12	44	23.4	13	6	2.4	PP12
PP16④⑤	16	46	24.1	17	8	4.2	PP16
PP1/4④⑤	1/4	33	17	7.5	3	0.7	PP1'4
PP5/16④⑤	5/16	36.5	18.1	9	4	0.9	PP5'16
PP3/8④⑤	3/8	42	20.2	10.5	5	1.5	PP3'8

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package

PLF Female Elbow

RoHS compliant



Unit : mm

Model code	Tube O.D. ϕD	Rc	A	B	L	ϕP	Tube end C	E	Hex. H	Effective area (mm ²)	Weight (g)	CAD file name
PLF4-M5 ④⑤	4	M5 × 0.8	5	22.8	17.8	10	14.9	18	10	3.7	8.2	PLF4-M5
PLF4-M6 ④⑤		M6 × 1		23.3	18.3						8.3	PLF4-M6
PLF4-01 ④⑤		Rc1/8	7	26.3	21.3				14	3.5	14	PLF4-01
PLF4-02 ④⑤		Rc1/4	9.5	29.3	24.3						21	PLF4-02
PLF6-M5 ④⑤	6	M5 × 0.8	5	24.8	18.5	12.5	16.8	19.8	12	5.5	13	PLF6-M5
PLF6-M6 ④⑤		M6 × 1		25.3	19						6.4	PLF6-M6
PLF6-01 ④⑤		Rc1/8	7	28.3	22				14	10.1	16	PLF6-01
PLF6-02 ④⑤		Rc1/4	9.5	31.3	25						17	22
PLF6-03 ④⑤	Rc3/8	10.5	32.3	26	21	10	31	PLF6-03				
PLF8-01 ④⑤	8	Rc1/8	7	32.3	25	14.5	18.1	22.7	14	17.6	19	PLF8-01
PLF8-02 ④⑤		Rc1/4	9.5	35.3	28				17	17.7	26	PLF8-02
PLF8-03 ④⑤		Rc3/8	10.5	36.3	29				21	18.1	31	PLF8-03
PLF10-02 ④⑤	10	Rc1/4	9.5	40.8	32	17.5	20.2	26.2	19	22.7	39	PLF10-02
PLF10-03 ④⑤		Rc3/8	10.5	41.8	33				21	30	42	PLF10-03
PLF10-04 ④⑤		Rc1/2	13	45.8	37				24	30.6	52	PLF10-04
PLF12-02 ④⑤	12	Rc1/4	9.5	44.5	34	21	23.4	29.4	21	48	53	PLF12-02
PLF12-03 ④⑤		Rc3/8	10.5	45.5	35				24	48	58	PLF12-03
PLF12-04 ④⑤		Rc1/2	13	49.5	39				58	58	58	PLF12-04
PLF5/32-M5 ④⑤	5/32	M5 × 0.8	5	22.8	17.8	10	14.9	18	10	3.7	8.2	PLF5/32-M5
PLF5/32-01 ④⑤		Rc1/8	7	26.3	21.3						14	14
PLF5/32-02 ④⑤		Rc1/4	9.5	29.3	24.3				17	3.5	21	PLF5/32-02
PLF3/16-M5 ④⑤	3/16	M5 × 0.8	5	24.8	18.5	12.5	17.2	20.2	12	4.2	12	PLF3/16-M5
PLF3/16-01 ④⑤		Rc1/8	7	28.3	22				14	5.3	16	PLF3/16-01
PLF3/16-02 ④⑤		Rc1/4	9.5	31.3	25				17	5.5	22	PLF3/16-02
PLF3/16-03 ④⑤		Rc3/8	10.5	32.3	26				21		31	PLF3/16-03
PLF1/4-M5 ④⑤	1/4	M5 × 0.8	5	24.8	18.5	12.5	16.8	19.8	12	5.5	12	PLF1/4-M5
PLF1/4-01 ④⑤		Rc1/8	7	28.3	22				14	10.1	15	PLF1/4-01
PLF1/4-02 ④⑤		Rc1/4	9.5	31.3	25				17	22	PLF1/4-02	
PLF1/4-03 ④⑤		Rc3/8	10.5	32.3	26				21	10	30	PLF1/4-03
PLF5/16-01 ④⑤	5/16	Rc1/8	7	32.3	25	14.5	18.1	22.7	14	17.6	19	PLF5/16-01
PLF5/16-02 ④⑤		Rc1/4	9.5	35.3	28				17	17.7	26	PLF5/16-02
PLF5/16-03 ④⑤		Rc3/8	10.5	36.3	29				21	18.1	31	PLF5/16-03
PLF3/8-02 ④⑤	3/8	Rc1/4	9.5	40.8	32	17.5	20.2	26.2	19	22.7	40	PLF3/8-02
PLF3/8-03 ④⑤		Rc3/8	10.5	41.8	33				21	30	42	PLF3/8-03
PLF3/8-04 ④⑤		Rc1/2	13	45.8	37				24	30.6	52	PLF3/8-04
PLF1/2-02 ④⑤		Rc1/4	9.5	44.5	34				21	23.7	29.7	21
PLF1/2-03 ④⑤	Rc3/8	10.5	45.5	35	47	47	47	PLF1/2-03				
PLF1/2-04 ④⑤	Rc1/2	13	49.5	39	24	57	57	PLF1/2-04				

※ 1. ④ in Model code / Replaced with "W" for Light-gray color

※ 2. ⑤ in Model code / Replaced with "C" for Clean-room package



SAFETY Instructions

This safety instructions aim to prevent personal injury and damage to properties by requiring proper use of PISCO products.

Be certain to follow ISO 4414 and JIS B 8370

ISO 4414 : Pneumatic fluid power...Recommendations for the application of equipment to transmission and control systems.

JIS B 8370 : General rules and safety requirements for systems and their components.

This safety instructions is classified into "Danger", "Warning" and "Caution" depending on the degree of danger or damages caused by improper use of PISCO products.



Danger

Hazardous conditions. It can cause death or serious personal injury.



Warning

Hazardous conditions depending on usages. Improper use of PISCO products can cause death or serious personal injury.



Caution

Hazardous conditions depending on usages. Improper use of PISCO products can cause personal injury or damages to properties.



Warning

1. Selection of pneumatic products

- ① A user who is a pneumatic system designer or has sufficient experience and technical expertise should select PISCO products.
- ② Due to wide variety of operating conditions and applications for PISCO products, carry out the analysis and evaluation on PISCO products. The pneumatic system designer is solely responsible for assuring that the user's requirements are met and that the application presents no health or safety hazards. All designers are required to fully understand the specifications of PISCO products and constitute all systems based on the latest catalog or information, considering any malfunctions.

2. Handle the pneumatic equipment with enough knowledge and experience

- ① Improper use of compressed air is dangerous. Assembly, operation and maintenance of machines using pneumatic equipment should be conducted by a person with enough knowledge and experience.

3. Do not operate machine / equipment or remove pneumatic equipment until safety is confirmed.

- ① Make sure that preventive measures against falling work-pieces or sudden movements of machine are completed before inspection or maintenance of these machine.
- ② Make sure the above preventive measures are completed. A compressed air supply and the power supply to the machine must be off, and also the compressed air in the systems must be exhausted.
- ③ Restart the machines with care after ensuring to take all preventive measures against sudden movements.

Disclaimer

1. PISCO does not take any responsibility for any incidental or indirect loss, such as production line stop, interruption of business, loss of benefits, personal injury, etc., caused by any failure on use or application of PISCO products.
2. PISCO does not take any responsibility for any loss caused by natural disasters, fires not related to PISCO products, acts by third parties, and intentional or accidental damages of PISCO products due to incorrect usage.
3. PISCO does not take any responsibility for any loss caused by improper usage of PISCO products such as exceeding the specification limit or not following the usage the published instructions and catalog allow.
4. PISCO does not take any responsibility for any loss caused by remodeling of PISCO products, or by combinational use with non-PISCO products and other software systems.
5. The damages caused by the defect of Pisco products shall be covered but limited to the full amount of the PISCO products paid by the customer.



SAFETY INSTRUCTION MANUAL

PISCO products are designed and manufactured for use in general industrial machines. Be sure to read and follow the instructions below.

Danger

1. Do not use PISCO products for the following applications.
 - ① Equipment used for maintaining / handling human life and body.
 - ② Equipment used for moving / transporting human.
 - ③ Equipment specifically used for safety purposes.

Warning

1. Do not use PISCO products under the following conditions.
 - ① Beyond the specifications or conditions stated in the catalog, or the instructions.
 - ② Under the direct sunlight or outdoors.
 - ③ Excessive vibrations and impacts.
 - ④ Exposure / adhere to corrosive gas, inflammable gas, chemicals, seawater, water and vapor. *
* Some products can be used under the condition above(④), refer to the details of specification and condition of each product.
2. Do not disassemble or modify PISCO products, which affect the performance, function, and basic structure of the product.
3. Turn off the power supply, stop the air supply to PISCO products, and make sure there is no residual air pressure in the pipes before maintenance and inspection.
4. Do not touch the release-ring of push-in fitting when there is a working pressure. The lock may be released by the physical contact, and tube may fly out or slip out.
5. Frequent switchover of compressed air may generate heat, and there is a risk of causing burn injury.
6. Avoid any load on PISCO products, such as a tensile strength, twisting and bending. Otherwise, there is a risk of causing damage to the products.
7. As for applications where threads or tubes swing / rotate, use Rotary Joints, High Rotary Joints or Multi-Circuit Rotary Block only. The other PISCO products can be damaged in these applications.
8. Use only Die Temperature Control Fitting Series, Tube Fitting Stainless SUS316 Series, Tube Fitting Stainless SUS316 Compression Fitting Series or Tube Fitting Brass Series under the condition of over 60°C (140° F) water or thermal oil. Other PISCO products can be damaged by heat and hydrolysis under the condition above.
9. As for the condition required to dissipate static electricity or provide an antistatic performance, use EG series fitting and antistatic products only, and do not use other PISCO products. There is a risk that static electricity can cause system defects or failures.
10. Use only Fittings with a characteristic of spatter-proof such as Anti-spatter or Brass series in a place where flame and weld spatter is produced. There is a risk of causing fire by sparks.
11. Turn off the power supply to PISCO products, and make sure there is no residual air pressure in the pipes and equipment before maintenance. Follow the instructions below in order to ensure safety.
 - ① Make sure the safety of all systems related to PISCO products before maintenance.
 - ② Restart of operation after maintenance shall be proceeded with care after ensuring safety of the system by preventive measures against unexpected movements of machines and devices where pneumatic equipment is used.
 - ③ Keep enough space for maintenance when designing a circuit.
12. Take safety measures such as providing a protection cover if there is a risk of causing damages or fires on machine / facilities by a fluid leakage.

⚠ Caution

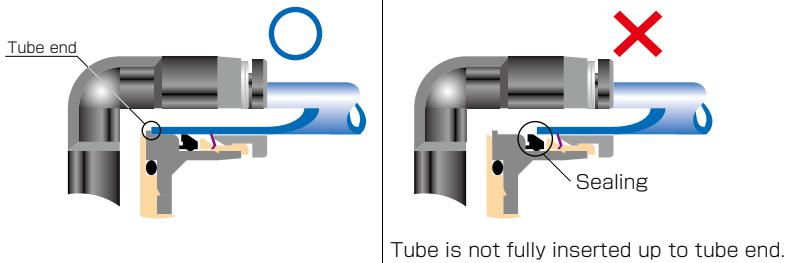
1. Remove dusts or drain before piping. They may get into the peripheral machine / facilities and cause malfunction.
2. When inserting an ultra-soft tube into push-in fitting, make sure to place an Insert Ring into the tube edge. There is a risk of causing the escape of tube and a fluid leakage without using an Insert Ring.
3. The product incorporating NBR as seal rubber material has a risk of malfunction caused by ozone crack. Ozone exists in high concentrations in static elimination air, clean-room, and near the high-voltage motors, etc. As a countermeasure, material change from NBR to HNBR or FKM is necessary. Consult with PISCO for more information.
4. Special option "Oil-free" products may cause a very small amount of a fluid leakage. When a fluid medium is liquid or the products are required to be used in harsh environments, contact us for further information.
5. In case of using non-PISCO brand tubes, make sure the tolerance of the outer tube diameter is within the limits of Table 1.

● Table 1. Tube O.D. Tolerance

mm size	Nylon tube	Polyurethane tube	inch size	Nylon tube	Polyurethane tube
ø1.8mm	—	± 0.05mm	ø1/8	± 0.1mm	± 0.15mm
ø3mm	—	± 0.15mm	ø5/32	± 0.1mm	± 0.15mm
ø4mm	± 0.1mm	± 0.15mm	ø3/16	± 0.1mm	± 0.15mm
ø6mm	± 0.1mm	± 0.15mm	ø1/4	± 0.1mm	± 0.15mm
ø8mm	± 0.1mm	± 0.15mm	ø5/16	± 0.1mm	± 0.15mm
ø10mm	± 0.1mm	± 0.15mm	ø3/8	± 0.1mm	± 0.15mm
ø12mm	± 0.1mm	± 0.15mm	ø1/2	± 0.1mm	± 0.15mm
ø16mm	± 0.1mm	± 0.15mm	ø5/8	± 0.1mm	± 0.15mm

6. Instructions for Tube Insertion

- ① Make sure that the cut end surface of the tube is at right angle without a scratch on the surface and deformations.
- ② When inserting a tube, the tube needs to be inserted fully into the push-in fitting until the tubing edge touches the tube end of the fitting as shown in the figure below. Otherwise, there is a risk of leakage.



- ③ After inserting the tube, make sure it is inserted properly and not to be disconnected by pulling it moderately.
- ※ When inserting tubes, Lock-claws may be hardly visible in the hole, observed from the front face of the release-ring. But it does not mean the tube will surely escape. Major causes of the tube escape are the followings;
- ① Shear drop of the lock-claws edge
 - ② The problem of tube diameter (usually small)
- Therefore, follow the above instructions from ① to ③, even lock-claws is hardly visible.

7. Instructions for Tube Disconnection

- ① Make sure there is no air pressure inside of the tube, before disconnecting it.
- ② Push the release-ring of the push-in fitting evenly and deeply enough to pull out the tube toward oneself. By insufficient pushing of the release-ring, the tube may not be pulled out or damaged by scratch, and tube shavings may remain inside of the fitting, which may cause the leakage later.

8. Instructions for Installing a fitting

- ① When installing a fitting, use proper tools to tighten a hexagonal-column or an inner hexagonal socket. When inserting a hex key into the inner hexagonal socket of the fitting, be careful so that the tool does not touch lock-claws. The deformation of lock-claws may result in a poor performance of systems or an escape of the tube.
- ② Refer to Table 2 which shows the recommended tightening torque. Do not exceed these limits to tighten a thread. Excessive tightening may break the thread part or deform the gasket and cause a fluid leakage. Tightening thread with tightening torque lower than these limits may cause a loosened thread or a fluid leakage.
- ③ Adjust the tube direction while tightening thread within these limits, since some PISCO products are not rotatable after the installation.

● Table 2: Recommended tightening torque / Sealock color / Gasket materials

Thread type	Thread size	Tightening torque	Sealock color	Gasket materials
Metric thread	M3 × 0.5	0.7N·m	—	SUS304 NBR
	M5 × 0.8	1.0 ~ 1.5N·m		
	M6 × 1	2 ~ 2.7N·m		
	M3 × 0.5	0.5 ~ 0.6N·m		POM
	M5 × 0.8	1 ~ 1.5N·m		
	M6 × 0.75	0.8 ~ 1N·m		
Taper pipe thread	M8 × 0.75	1 ~ 2N·m	White	—
	R1/8	7 ~ 9N·m		
	R1/4	12 ~ 14N·m		
	R3/8	22 ~ 24N·m		
Unified thread	R1/2	28 ~ 30N·m	—	SUS304, NBR
	No.10-32UNF	1.0 ~ 1.5N·m		
National pipe thread taper	1/16-27NPT	7 ~ 9N·m	White	—
	1/8-27NPT	7 ~ 9N·m		
	1/4-18NPT	12 ~ 14N·m		
	3/8-18NPT	22 ~ 24N·m		
	1/2-14NPT	28 ~ 30N·m		

※ These values may differ for some products. Refer to each specification as well.

9. Instructions for removing a fitting

- ① When removing a fitting, use proper tools to loosen a hexagonal-column or an inner hex bolt.
- ② Remove the sealant stuck on the mating equipment. The remained sealant may get into the peripheral equipment and cause malfunctions.

10. Arrange piping avoiding any load on fittings and tubes such as twist, tensile, moment load, shaking and physical impact. These may cause damages to fittings, tube deformations, bursting and the escape of tubes.

Common Safety Instructions for Fittings

Before selecting or using PISCO products, read the following instructions. Read the detailed instructions for individual series as well as the instructions below.

Warning

1. Do not use fittings with fluid medium other than air or water. (Water can be used with some series.) Contact us for using other kind of fluid medium except air and water.
2. Do not use fittings except Anti-spatter, Brass and Brass Compression Fitting series in a place where the flame and weld spatter is produced. There is a risk of causing fire by sparks.
3. As for applications where threads or tubes swing / rotate, use Rotary Joints, High Rotary Joints or Multi-Circuit Rotary Block only. The other PISCO products can be damaged in these applications.
4. Use only Die Temperature Control Fitting Series, Tube Fitting Stainless SUS316 Series, Tube Fitting Stainless SUS316 Compression Fitting Series or Tube Fitting Brass Series under the condition of over 60°C (140° F) water or thermal oil. Other PISCO products can be damaged by heat and hydrolysis under the condition above.
5. As for the condition required to dissipate static electricity or provide an antistatic performance, use EG Series fitting and antistatic products only, and do not use other PISCO products. There is a risk that static electricity can cause system defects or failures.
6. Avoid any load on PISCO products, such as a tensile strength, twisting and bending. Otherwise, there is a risk of causing damage to the products.

⚠ Caution

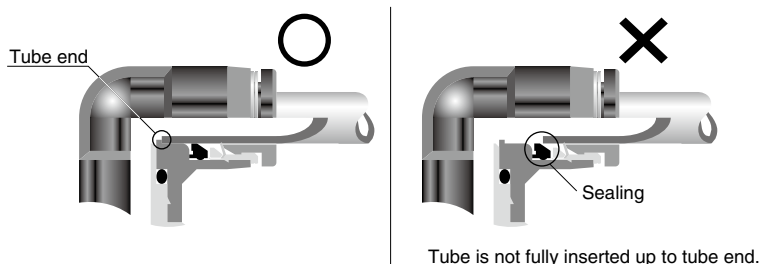
1. In case of using non-PISCO brand tubes, make sure the tolerance of the outer tube diameter is within the following limits of Table 1.

● Table 1. Tube O.D. Tolerance

mm size	Nylon tube	Urethane tube	inch size	Nylon tube	Urethane tube
ø1.8mm	—	± 0.05mm	ø1/8	± 0.1mm	± 0.15mm
ø3mm	—	± 0.15mm	ø5/32	± 0.1mm	± 0.15mm
ø4mm	± 0.1mm	± 0.15mm	ø3/16	± 0.1mm	± 0.15mm
ø6mm	± 0.1mm	± 0.15mm	ø1/4	± 0.1mm	± 0.15mm
ø8mm	± 0.1mm	± 0.15mm	ø5/16	± 0.1mm	± 0.15mm
ø10mm	± 0.1mm	± 0.15mm	ø3/8	± 0.1mm	± 0.15mm
ø12mm	± 0.1mm	± 0.15mm	ø1/2	± 0.1mm	± 0.15mm
ø16mm	± 0.1mm	± 0.15mm	ø5/8	± 0.1mm	± 0.15mm

2. Instructions for Tube Insertion

- ① Make sure that the cut end surface of the tube is at right angle without a scratch on the tube surface and deformations.
- ② When inserting a tube, the tube needs to be inserted fully into the push-in fitting until the tubing edge touches the tube end of the fitting as shown in the figure below. Otherwise, there is a risk of leakage.



- ③ After inserting the tube, make sure it is inserted properly and not to be disconnected by pulling it moderately.

3. Instructions for Tube Disconnection

- ① Make sure there is no air pressure inside of the tube, before disconnecting it.
- ② Push the release-ring of the push-in fitting evenly and deeply enough to pull out the tube toward oneself. By insufficient pushing of the release-ring, the tube may not be pulled out or damaged by scratch, and tube shavings may remain inside of the fitting, which may cause the leakage later.

4. Instructions for Installing a fitting

- ① When installing a fitting, use proper tools to tighten a hexagonal-column or an inner hexagonal socket. When inserting a hex key into the inner hexagonal socket of the fitting, be careful so that the tool does not touch lock-claws. The deformation of lock-claws may result in a poor performance of systems or an escape of the tube.
- ② Refer to Table 2 which shows the recommended tightening torque. Do not exceed these limits to tighten a thread. Excessive tightening may break the thread part or deform the gasket and cause a fluid leakage. Tightening thread with tightening torque lower than these limits may cause a loosened thread or a fluid leakage.
- ③ Adjust the tube direction while tightening thread within these limits, since some PISCO products are not rotatable the installation.

● Table 2: Recommended tightening torque / Sealock color / Gasket materials

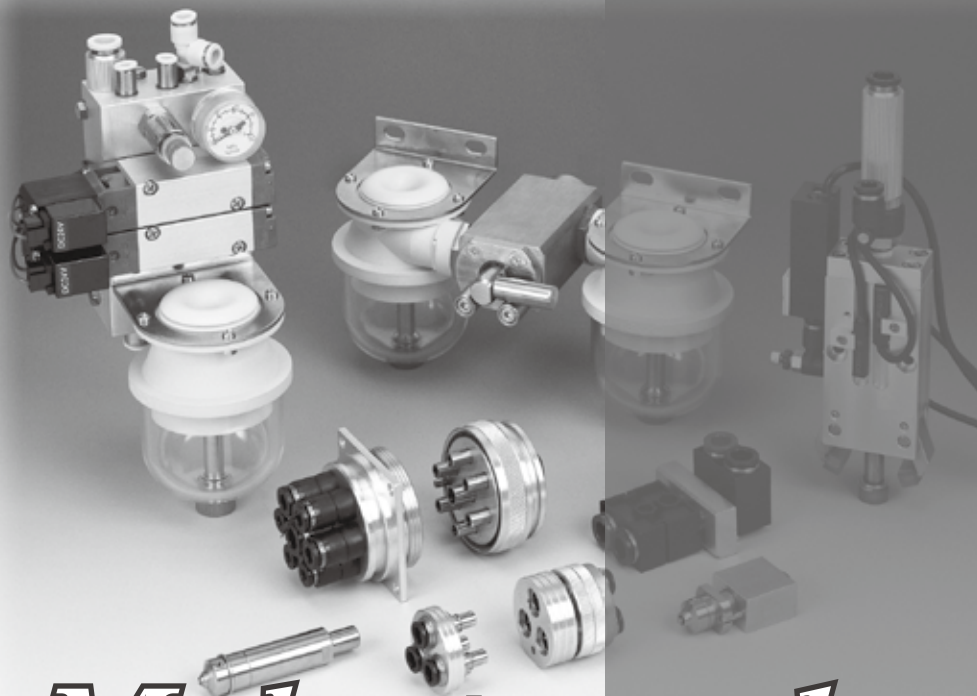
Thread type	Thread size	Tightening torque	Sealock color	Gasket materials
Metric thread	M3 × 0.5	0.7N·m	—	SUS304 NBR
	M5 × 0.8	1.0 ~ 1.5N·m		
	M6 × 1	2 ~ 2.7N·m		
	M3 × 0.5	0.5 ~ 0.6N·m		POM
	M5 × 0.8	1 ~ 1.5N·m		
	M6 × 0.75	0.8 ~ 1N·m		
	M8 × 0.75	1 ~ 2N·m		
Taper pipe thread	R1/8	7 ~ 9N·m	White	—
	R1/4	12 ~ 14N·m		
	R3/8	22 ~ 24N·m		
	R1/2	28 ~ 30N·m		
Unified thread	No.10-32UNF	1.0 ~ 1.5N·m	—	SUS304, NBR
National pipe thread taper	1/16-28NPT	7 ~ 9N·m	White	—
	1/8-27NPT	7 ~ 9N·m		
	1/4-18NPT	12 ~ 14N·m		
	3/8-18NPT	22 ~ 24N·m		
	1/2-14NPT	28 ~ 30N·m		

※. These values may differ for some products. Refer to each specification as well

5. Instructions for removing a fitting

- ① When removing a fitting, use proper tools to loosen a hexagonal-column or an inner hexagonal socket.
- ② Remove the sealant stuck on the mating equipment. The remained sealant may get into the peripheral equipment and cause malfunctions.

6. Arrange piping avoiding any load on fittings and tubes such as twist, tensile, moment load, shaking and physical impact. These may cause damages to fittings, tube deformations, bursting and the escape of tubes.



Make-to-order products

PISCO offers make-to-order products to support customer's various requirements such as special specifications, and special appearances.

Special Options

■ Characteristics

● *Color option*

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

● *Seal rubber material option*

Seal Rubber Selection: FKM or EPDM.

● *Oil-free option*

Suitable for Oil-free Environment.

● *Release-ring color option*

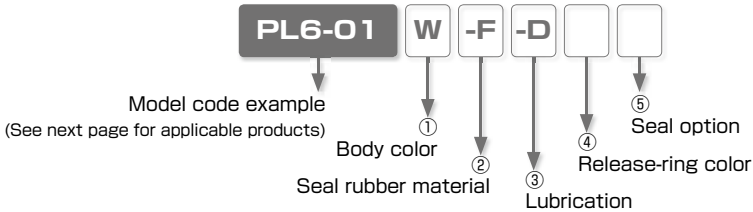
Changeable to Red Color

● *Non-purple option*

Suppress CU ion and F ion.

※ Note: With this option, Check Valve and Stop Fitting, etc. do not have marking on the brass parts. Be careful when piping.

Model Designation (Example)



① Body color

Code	W	No code
Body color	Light-gray	Standard color

※ . W: Release-ring color is light-gray

② Seal rubber material

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

※ 1. FKM: Release-ring color is brown. Non-purple option is not available with FKM option.

※ 2. EPDM: All oil-free. Release-ring color is yellow.

※ 3. EPDM: Not available for Thread size M3, M6 and Fittings with Inch sized Tube dia.

③ Lubrication

Code	-D	No code
Option	Oil-free	Standard lubrication

※ 1. Oil-free : Release-ring color is yellow.

※ 2. The products with oil-free option are assembled without intentional use of lubrication through its production process. It may cause problems such as degradation of airtightness and increase of friction.

④ Release-ring color

Code	-R	No code
Color	Red	Standard color

⑤ Seal option (Taper pipe thread only)

Code	-P	No code
Option	Non-purple	Standard

※ 1. Non-purple option is not available with seal rubber FKM

※ . See next page for "Reference Chart of Special Option" .

※ . Contact the nearest sales office for the price.

Reference Chart of Special Option

○ : Available, × : Not available

Series	Standard specification						Special specification					
	Body Color and Packaging Option	Body color	Release-ring color	Seal rubber material	Lubrication	Seal option	①	②	③	④	⑤	
							Body color	Seal rubber material	Lubrication	Release-ring color	Seal option	
							W* ¹	-F* ²	-E* ³	-D* ⁴	-R	-P* ²
Light-gray	FKM	EPDM	Oil-free	Red	Non-purple							
Tube Fitting Standard Series	—	Black	Black	NBR	Turbin oil	With seal coat	—	○* ⁵	○	○	○	○
	Light-gray	Light-gray	Light-gray				Std. option	○	○	○	×	○
	Clean-room pkg	Light-gray	Light-blue		Fluorochemical grease	—	○	○* ⁶	○* ⁶	×	×	
	Light-gray + Clean-room pkg	Light-gray	Light-gray		Std. option	○	○	○	×	×		
Tube Fitting Mini Series	—	Black	Black	NBR	Turbin oil	With seal coat	—	○* ⁵	○	○	○	○
	Light-gray	Light-gray	Light-gray				Std. option	○	○	○	×	○
	Clean-room pkg	Light-gray	Light-blue		Fluorochemical grease	—	○	○* ⁶	○* ⁶	×	×	
	Light-gray + Clean-room pkg	Light-gray	Light-gray		Std. option	○	○	○	×	×		
Tube Fitting Stainless SUS304 Series	—	Black	Dark-blue	FKM	Turbin oil	With seal coat	×	Std. spec.	×	○* ⁷	×	×
Tube Fitting Stainless SUS303 Equivalent Corrosivity Series	—	Black	Dark-blue	HNBR	Turbin oil	With seal coat	○	○	○* ⁷	○* ⁷	×	○
Tube Fitting EG Series	—	Black	Black	NBR	Turbin oil	With seal coat	×	○	○* ⁸	×	×	○
Tube Fitting Brass Series	—	—	—	HNBR / FM / NBR	Turbin oil	With seal coat	×	Std. option	○	○	×	○
Tube Fitting Long Type	—	—	Black	NBR	Turbin oil	With seal coat	×	○* ⁵	○	○	○	○
Speed Controller Series	—	Black	Black	NBR	Turbin oil	With seal coat	—	○* ⁵	×	×	○	○
	Light-gray	Light-gray	Light-gray				Std. option	○	×	×	×	○
	Clean-room pkg	Light-gray	Light-blue		Fluorochemical grease	—	○	×	×	×	×	
	Light-gray + Clean-room pkg	Light-gray	Light-gray		Std. option	○	×	×	×	×		
Speed Controller SUS303 Equivalent Corrosivity	—	Black	Dark-blue	HNBR	Turbin oil	With seal coat	○	○	×	×	×	○
Throttle (Needle) Valve Standard Series	—	Black	Black	NBR	Turbin oil	With seal coat	—	○* ⁵	×	×	○	○
	Light-gray	Light-gray	Light-gray				Std. option	○	×	×	×	○
	Clean-room pkg	Light-gray	Light-blue		Fluorochemical grease	—	○	×	×	×	×	
	Light-gray + Clean-room pkg	Light-gray	Light-gray		Std. option	○	×	×	×	×		
Fixed Orifice Joint Series	—	Black	Black	NBR	Turbin oil	With seal coat	○	○	○	○	○* ⁹	○
Regulator Series (RVC, RVS, RVU, RVCU, RVUM)	—	Black	Black	NBR	Turbin oil	With seal coat	○	×	×	×	○* ⁹	○
Check Valve Series	—	Black	Black	NBR	Turbin oil	With seal coat	○* ¹⁰	×	×	×	○* ⁹	○
Check Valve Series (Resin Type)	—	Light-gray	Light-gray	NBR	Turbin oil	With seal coat	Std. option	×	×	×	×	○

※ 1. W: Release-ring color is light-gray

※ 2. Seal option non-purple is not available with seal rubber material FKM

※ 3. EPDM: All oil-free. Release-ring color is yellow. Thread size M3, M6 and Fitting with inch sized Tube dia are not available.

※ 4. Release-ring color: Yellow.

※ 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 Red is not selectable with body color Light-gray.


















※ 10. Not available for CVU4-4, CVU6-6 and CVU8-8.

※ Contact the nearest sales office for other special specifications.

■ Reference chart of Appearance Color Combination (For Fitting)

Series	Resin color or Option	Tube dia.		Seal rubber material		Lubrication	Release-ring color	
				-F FKM	-E EPDM	-D Oil-free	-R Red	
Tube Fitting Standard Series Tube Fitting Mini Series	-	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 Stainless SUS304 Series	-	mm size		Std. spec.			
	Tube Fitting Stainless SUS303 Equivalent Corrosivity Series	-	mm size					
		Light-gray	mm size					

Reference chart of Appearance Color Combination (For Controller)

Series	Resin color or Option	Tube dia.		Seal rubber material		Release-ring color
				-F FKM	-R レッド	
Speed Controller Series Throttle (Needle) Valve Standard Series	-	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				

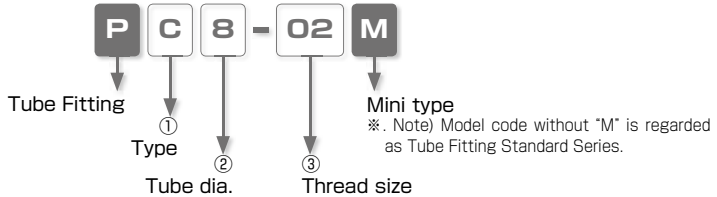
※ Contact the nearest sales office for other special specifications.

Space-Saving Options

Characteristics

- Suitable for Installing in Limited Spaces.

Model Designation (Example)



① Type

Code	Type	Code	Type	Code	Type
L	Elbow	B	Branch Tee	D	Run Tee

② Tube dia.

Code	8	10
Size (mm)	ø8	ø10

③ Thread size

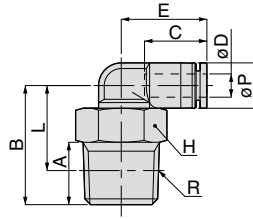
Thread size	Taper pipe thread		
Code	01	02	03
Size	R1/8	R1/4	R3/8

Make-to-order products

FITTING
CONTROLLER
VALVE
TUBE

PL
Mini

Elbow



Unit : mm

Model code	Tube O.D. ϕD	R	A	B	Tube end C	L	Hex. H	E	ϕP	Weight (g)
PL8-01M	8	R1/8	8	22.5	18.1	18.5	12	21.9	15	11.9
PL8-02M		R1/4	11	25.5		19.5	14			17.5
PL8-03M		R3/8	12	26.5		20.2	17			27.9
PL10-02M	10	R1/4	11	27	20.2	21	14	24.4	18	20.9
PL10-03M		R3/8	12	28		21.7	17			28.8

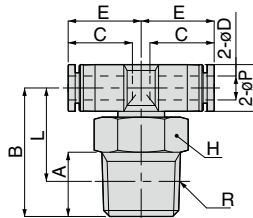
※ . "L" is a reference value for height dimension after tightening thread.

MAKE-TO-ORDER
PRODUCTS

761

PB
Mini

Branch Tee



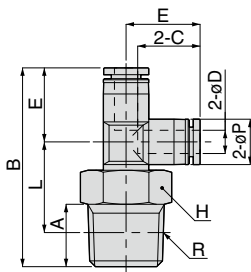
Unit : mm

Model code	Tube O.D. ϕD	R	A	B	Tube end C	L	Hex. H	E	ϕP	Weight (g)
PB8-01M	8	R1/8	8	22.5	18.1	18.5	12	21.9	15	12.8
PB8-02M		R1/4	11	25.5		19.5	14			18.2
PB8-03M		R3/8	12	26.5		20.2	17			26.1
PB10-02M	10	R1/4	11	27	20.2	21	14	24.4	18	22.3
PB10-03M		R3/8	12	28		21.7	17			30.4

※ . "L" is a reference value for height dimension after tightening thread.

※ Contact the nearest sales office for other special specifications.

PD Mini Run Tee



Unit : mm

Model code	Tube O.D. øD	R	A	B	Tube end C	L	Hex. H	E	øP	Weight (g)
PD8-01M	8	R1/8	8	44.2	18.1	18.5	12	21.7	15	11.9
PD8-02M		R1/4	11	47.2		19.5	14			17.5
PD8-03M		R3/8	12	48.2		20.2	17			25.3
PD10-02M	10	R1/4	11	52.3	20.2	21	14	25.3	18	21
PD10-03M		R3/8	12	53.3		21.7	17			28.8

※ .L" is a reference value for height dimension after tightening thread.