

Minimal Fitting

Ultra-small barb fitting for general pneumatic piping

Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)



(1) Minimal Fitting

(2) Type

(3)-a. Tube dia. (øD)

	mm size (mm)				inch size (inch)	
Code	0320	0425	0535	0640	5/32	1/4
Tube O.D.	ø3	ø4	ø5	ø6	ø5/32	ø1/4
Tube I.D.	ø2	ø2.5	ø3	ø4	ø0.098	Polyurethane Tube : ø0.163 Nylon Tube: ø0.180

(3)-b. Tube dia. (M, FM)

	Male thread		Female thread	
Code	M3	M5	FM3	FM5
Size	M3×0.5	M5×0.8	M3×0.5	M5×0.8

(4) Thread size (M)

	Metric thread			UNF thread	Taper pipe thread
Code	M3	M5	M6	U10U	O1
Size	M3×0.5	M5×0.8	M6×1	10-32UNF	R1/8

(5) Specifications (Optional)

Code	No code	-C
Spec.	Standard	Clean-room pkg.

Characteristics

Barb type fitting suitable for space-saving piping.

Best suited for piping of small device or in narrow space.

Suitable for vacuum piping.

Vacuum tube (UD) is recommended to be used with.

Compression types can be tightened only by hand and easy insertion of tubes.

Clean-room pkg. spec. (Optional)

Best suited for space-saving piping in clean environment.

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

Related Products



Vacuum Tube

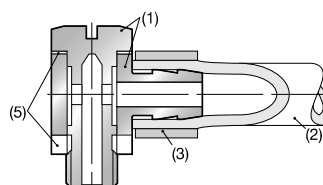
▶ P.95

Specifications

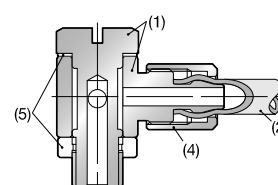
Type	Barb type	Compression & Female thread type
Fluid medium	Air	
Max. operating pressure	0.5 MPa (with Vacuum tube: 0.4MPa)	1.0 MPa (with Vacuum tube: 0.4MPa)
Max. vacuum	-100 kPa	
Operating temp. range	0 to 50°C (no freezing)	

Sectional drawing

Barb Single Banjo
: LH



Compression Single Banjo
: LHN



No.	Parts	Material
(1)	Metallic body	Nickel-plated brass*1
(2)	Tube	Vacuum tube or Clean-room pkg. tube
(3)	Tube clamp sleeve	Fluororesin (Order separately)
(4)	Cap nut	Nickel-plated brass
(5)	Gasket	POM, SUS304 + NBR (LC, LCN, LN, LP, LLC) *2

*1. For M3 male threads, its material is SUS303 or special stainless steel (SUS303 Equivalent Corrosivity, Austenite or Ferritic).

*2. For clean-room pkg. spec., gasket material is POM.

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

Barb Type					
Type	Model code LC-øD-M(U) ^[5]	Type	Model code LH-øD-M(U) ^[5]	Type	Model code LB-øD-M(U) ^[5]
Barb Straight LC 	LC-0320-M3 ^[5]	Barb Single Banjo LH 	LH-0320-M3 ^[5]	Barb Branch Tee LB 	LB-0320-M3 ^[5]
	LC-0320-M5 ^[5]		LH-0320-M5 ^[5]		LB-0320-M5 ^[5]
	LC-0320-01 ^[5]		LH-0425-M3 ^[5]		LB-0425-M3 ^[5]
	LC-0425-M3 ^[5]		LH-0425-M5 ^[5]		LB-0425-M5 ^[5]
	LC-0425-M5 ^[5]		LH-0640-M5 ^[5]		LB-0640-M5 ^[5]
	LC-0425-M6 ^[5]		LH-5/32-U10U		LB-0640-U10U
	LC-0425-01 ^[5]		LH-0640-U10U		
	LC-0535-M5 ^[5]	Type	Model code LU-øD ^[5]	Type	Model code LG-øD ₁ -øD ₂ ^[5]
	LC-0640-M3 ^[5]	Barb Union Straight LU 	LU-0320 ^[5]	Unequal Barb Union Straight LG 	LG-0425-0320 ^[5]
	LC-0640-M5 ^[5]		LU-0425 ^[5]		LG-0640-0320 ^[5]
	LC-0640-M6 ^[5]		LU-0640 ^[5]		LG-0640-0425 ^[5]
	LC-0640-01 ^[5]				
	LC-5/32-U10U				
	LC-1/4-U10U				
	Type	Model code LS-øD-M ^[5]			
Tube Clamp Sleeve LS 	LS-0425 ^[5]				
	LS-0640 ^[5]				
Thread Type					
Type	Model code LH-FM-M ^[5]	Type	Model code LB-FM-M ^[5]	Type	Model code LZ-FM-M ^[5]
Female Screw Banjo LH-F 	LH-FM3-M3 ^[5] LH-FM5-M5 ^[5]	Female Screw Branch Tee LB-F 	LB-FM3-M3 ^[5] LB-FM5-M5 ^[5]	Female Screw Cross LZ 	LZ-FM5-M5 ^[5]
Type	Model code LL-FM ^[5]	Type	Model code LE-FM ^[5]	Type	Model code LU-FM ^[5]
Female Screw Elbow LL 	LL-FM5 ^[5]	Female Screw Tee LE 	LE-FM5 ^[5]	Female Screw Union LU-F 	LU-FM3 ^[5] LU-FM5 ^[5]
Type	Model code LM-FM ^[5]	Type	Model code LD-FM-M ^[5]	Type	Model code LLC-FM-M ^[5]
Bulkhead Union LM 	LM-FM5 ^[5]	Female Screw Run Tee LD 	LD-FM5-M5 ^[5]	Extension Screw Adapter LLC 	LLC-FM3-M3 ^[5] LLC-FM5-M5 ^[5]
Type	Model code LN-M-M ^[5]	Type	Model code LP-M ^[5]		
Male Screw Union LN 	LN-M3-M3 ^[5] LN-M5-M5 ^[5]	Plug LP 	LP-M3 ^[5] LP-M5 ^[5]		
Compression type					
Type	Model code LCN-øD-M ^[5]	Type	Model code LHN-øD-M ^[5]		
Compression Straight LCN 	LCN-0320-M3 ^[5] LCN-0320-M5 ^[5] LCN-0320-01 ^[5] LCN-0425-M5 ^[5] LCN-0425-01 ^[5] LCN-0640-M5 ^[5] LCN-0640-01 ^[5]	Compression Single Banjo LHN 	LHN-0320-M5 ^[5] LHN-0425-M5 ^[5] LHN-0640-M5 ^[5]		
				 CAD data is available at PISCO website.	
				 Packaging specifications 10 pcs. /bag	
				 Optional ^[5] : -C ⇒ Clean-room pkg.	

CAD data is available
at PISCO website.Packaging specifications
10 pcs. /bag

Optional

[5]: -C ⇒ Clean-room pkg. (Fill in [5] with "-C".)