

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)

Code	mm size (mm)				inch size (inch)	
	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)

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

(4) Thread size (M)

Code	Metric thread			UNF thread	Taper pipe thread
	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.

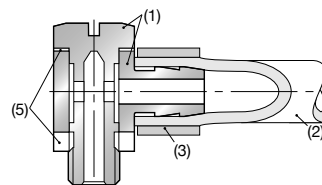
The products are washed by clean air, then packed in ISO class 6 equivalent clean-room.

Specifications

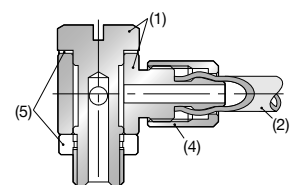
Type	Barb type	Compression & Female thread type
Fluid medium		Air
Max. operating pressure	0.5 MPa (with Vacuum tube: 0.4 MPa)	1.0 MPa (with Vacuum tube: 0.4 MPa)
Max. vacuum	-100 kPa	
Operating temp. range	0 to 50°C (no freezing)	

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.



