

1. Applications and Features

Purpose	Gap adjustment of plumbing, Absorbing lateral movement
Location	Fluorocarbon refrigerant pipeline
Features	Copper tube sockets are attached to both ends of flexible joints by silver brazing.

2. Structure and Parts

Figure 1 shows the structure, and Table 1 shows the part names and materials.

• Z-14000(Copper tube socket type)

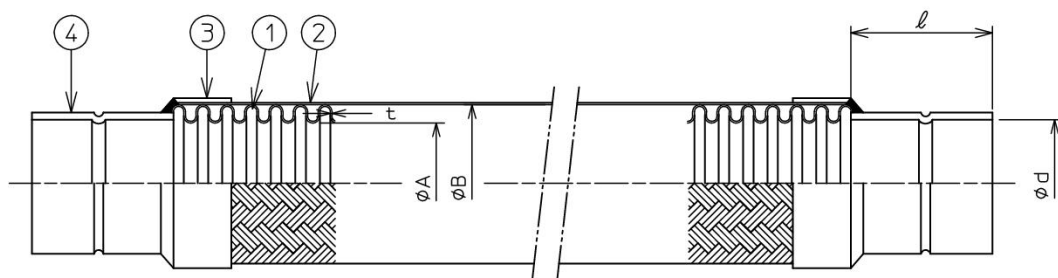


Figure1-1. Structure

Table1-1. Parts List

No.	Name	Material (Option)
1	Bellows	Stainless steel 304
2	Braide	Stainless steel 304
3	Braide cover	Stainless steel 304
4	Copper tube socket	Copper alloy

• Z-14000HP(4.3MPa specification) , Z-14000P(Copper tube type)

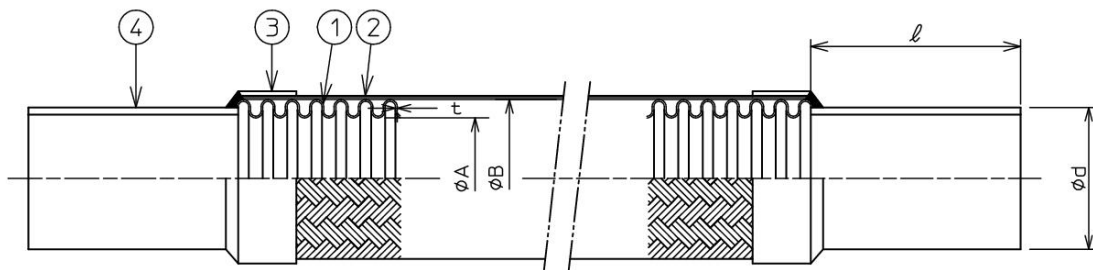


Figure1-2. Structure

Table1-2. Parts List

No.	Name	Material (Option)
1	Bellows	Stainless steel 304
2	Braide	Stainless steel 304
3	Braide cover	Stainless steel 304
4	Copper tube	Copper alloy

3. Dimensions and maximum working pressure

Table 2 shows dimensions and maximum working pressure.

Table2-1. Z-14000 dimensions and maximum working pressure Unit : mm

Size	Bellows			Copper tube socket		Max. working pressure (MPa)	
	ϕA	ϕB	t	ϕd	ℓ	1 ply	2 ply
8A	6.8	11.0	0.2	9.52	18	1.0	2.0
10A	10.5	15.0	0.25	12.70	22	1.0	2.0
15A	13.2	18.5	0.25	15.88	27	1.0	2.0
20A	19.2	25.5	0.3	19.05	33.5	1.0	2.0
				22.22	40.5		
25A	25.0	32.6	0.3	25.40	44	1.0	2.0
				28.58	48.5		
32A	32.3	41.0	0.3	34.92	52	1.0	2.0
40A	38.5	47.5	0.35	41.28	58.5	1.0	2.0
50A	51.5	61.5	0.35	53.98	71	1.0	2.0

※The maximum working pressure is based on SUS304 bellows material
at normal temperature.

Table2-2. Z-14000HP dimensions and maximum working pressure Unit : mm

Size	Bellows			Copper tube		Max. working pressure (MPa)
	ϕA	ϕB	t	ϕd	ℓ	2 ply
8A	6.8	11.0	0.2	9.52	100	4.3
10A	10.5	15.0	0.25	12.70	100	4.3
15A	13.2	18.5	0.25	15.88	100	4.3
20A	19.2	25.5	0.3	19.05	100	4.3
				22.22	100	
25A	25.0	32.6	0.3	25.40	100	4.3
				28.58	100	
32A	38.8	49.8	0.5	31.75	100	4.3
				34.92	100	
				38.10	100	
40A	38.8	49.8	0.5	41.28	100	4.3
				44.45	100	

※The maximum working pressure is based on SUS304 bellows material
at normal temperature.

※Bellows material for 32A and 40A is SUS316L.

Table2-3. Z-14000P dimensions and maximum working pressure Unit : mm

Size	Bellows			Copper tube		Max. working pressure (MPa)	
	ϕA	ϕB	t	ϕd	ℓ	1 ply	2 ply
8A	6.8	11.0	0.2	9.52	100	1.0	2.0
10A	10.5	15.0	0.25	12.70	100	1.0	2.0
15A	13.2	18.5	0.25	15.88	100	1.0	2.0
20A	19.2	25.5	0.3	19.05	100	1.0	2.0
				22.22	100		
25A	25.0	32.6	0.3	25.40	100	1.0	2.0
				28.58	100		
32A	32.3	41.0	0.3	31.75	100	1.0	2.0
				34.92	100		
				38.10	100		
40A	38.5	47.5	0.35	41.28	100	1.0	2.0
				44.45	100		
50A	51.5	61.5	0.35	50.80	100	1.0	2.0
				53.98	100		

※The maximum working pressure is based on SUS304 bellows material
at normal temperature.

4. Applicable temperature range
-40℃~100℃

5. Inspection
Inspection items : Visual inspection, Dimensional inspection (Overall length),
Leak inspection
Frequency : ALL

6. Notes
● During installation, wrap a wet towel around the silver brazing section on
the flexible side to prevent heat transfer.
● Please refer to the “Installation Instructions” for installation procedures.