

1. Applications and Features

Purpose	Gap adjustment of plumbing, Absorbing lateral movement
Location	General piping using lined steel pipes
Features	Pipe-end anti-corrosion joints are used at the joints. The core built into the joint adheres closely to the inner surface of the lined steel pipe, thereby blocking the ingress of fluid to the metal surface and preventing corrosion at the pipe ends and joints.

2. Structure and Parts

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

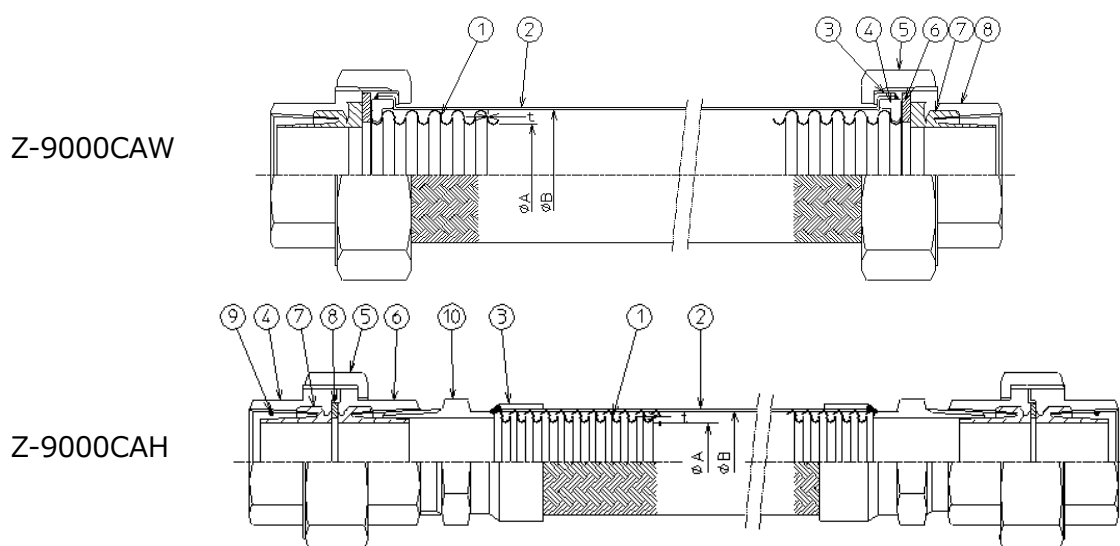


Figure 1 . Structure

Table1. Parts List

• Z-9000CAW

No.	Name	Material
1	Bellows	Stainless steel 304
2	Braide	Stainless steel 304
3	Ring cover	Stainless steel 304
4	Split ring	Stainless cast steel
5	Union nut	Malleable cast iron
6	Gasket	EPDM
7	Core	Polyethylene resin
8	Union screw	Malleable cast iron

※Product length : 200mm~1000mm

• Z-9000CAH

No.	Name	Material
1	Bellows	Stainless steel 316L
2	Braide	Stainless steel 304
3	Braide cover	Stainless steel 304
4	Union screw	Malleable cast iron
5	Union nut	Malleable cast iron
6	Union guard	Malleable cast iron
7	Core	Heatproof Vinyl Chloride
8	Gasket	Without asbestos
9	Seal adhesive	Silicone resin
10	Nipple	Stainless steel 304

3. Dimensions and maximum working pressure

Table 2 shows dimensions and maximum working pressure.

Table2. Dimensions and maximum working pressure

• Z-9000CAW

Unit : mm

Size	Bellows			Max. working pressure (MPa)
	ϕ A	ϕ B	t	
15A	18.8	24.7	0.2	1.0
20A	23.7	31.0	0.2	1.0
25A	31.0	39.9	0.2	1.0
32A	38.0	47.6	0.25	1.0
40A	44.0	53.3	0.3	1.0
50A	55.4	65.8	0.3	1.0

• Z-9000CAH

Unit : mm

Size	Bellows			Max. working pressure (MPa)
	ϕ A	ϕ B	t	
15A	13.0	18.4	0.25	1.0
20A	19.1	25.4	0.3	1.0
25A	25.5	32.2	0.3	1.0
32A	33.5	40.3	0.3	1.0
40A	39.5	47.6	0.35	1.0
50A	53.0	61.6	0.35	1.0

※Maximum working pressure is at normal temperature.

4. Minimum bend radius

Table 3 shows Minimum bend radius.

Table 3 . Minimum bend radius Unit : mm

Size	Z-9000CAW	Z-9000CAH
15A	50	50
20A	65	65
25A	80	80
32A	100	100
40A	120	120
50A	140	140

5. Applicable temperature range

Z-9000CAW : Below 40°C

Z-9000CAH : Below 85°C

6. Inspection

Inspection items: Visual inspection, Dimensional inspection (Overall length),
Leak inspection

Frequency : ALL

7. Notes

- Please inquire separately when used for piping with severe vibration and pressure fluctuation.
- Please refer to the “Installation Instructions” for installation procedures.