

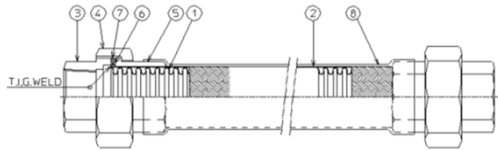
Installation Manual for the Flexible Joint
(Union Connection)

Z-9000MS・Z-10000MS



Installation Procedure

1. Before installation



The shape of Z-9000MS

Table1 Parts List

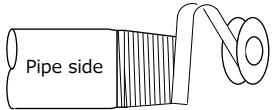
No.	Name	Material
1	Bellows	SUS304
2	Braid	SUS304
3	Union collar	SUS304
4	Union guard	FCMB (SCS13)
5	Union nut	FCMB (SCS13)
6	Union screw	FCMB (SCS13)
7	Gasket	Non-asbestos
8	Anticorrosion Tape	PVC

※Epoxy resin coating if union is FCMB

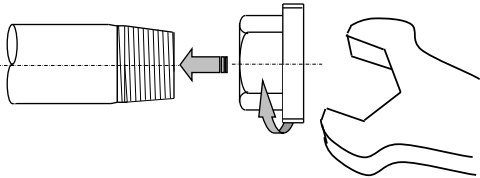
- Please confirm whether the diameter is correct.
- Please confirm whether there is any damage of sealing surface.

2. Installation

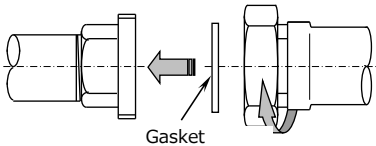
- ① Wrap teflon sealing tape on thread of pipe end.



- ② Tighten the union screw onto the pipe end by hand, then tighten it with tightening tool.



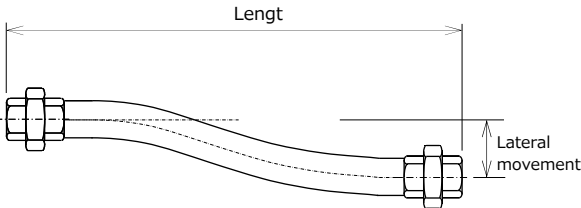
- ③ Confirm the gasket on sealing face before tightening, set the union nut to the union screw and tighten it manually.



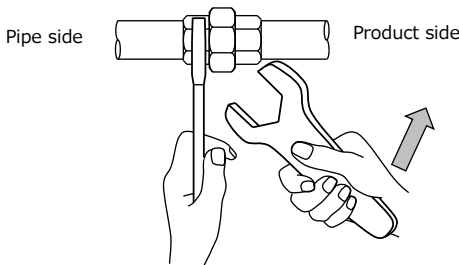
- ④ Carry out the opposite side as same way.

3. Tightening nut

- ① Please confirm whether the lateral movement of piping is within the allowable range.



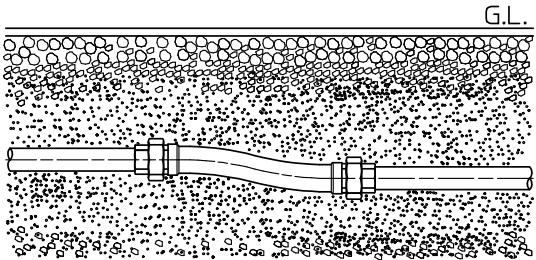
- ② After tightening the union nut by hand, tighten it with tightening tool while holding the union screw in place. Be careful not to twist the flexible tube body.



Tightening Torque

Size	Torque(N・m)
10A	40~45
15A	59~64
20A	79~84
25A	98~108
32A	118~128
40A	147~157
50A	196~206

Completion



Install the tape with care so as not to cause any damage to the exterior anticorrosion tape.

NOTES

- Where the water hammer generate in the piping system, the flexible joint might be damaged. Please do appropriate impact prevention measures. Moreover, the use of Z-3000 composed of the tube for the vibrational absorption is recommended.
- Please select the pipe size not to exceed 3m/s of flow velocity. (inside diameter base)
- Non asbestos joint gasket that normally attached on sealing face is not applied for steam line. Please use our steam gaskets for steam line.
- Please carry out the welding work of the piping before installing the flexible joint. If you have to carry out the welding work after installing the flexible joint, take ground the welding electricity, also put a protective cover around the flexible joint so that the welding current does not flow into the piping system.