

Installation Manual for the Flexible Joint (Flange Connection)

ZC-1000



Installation Procedure

1. Before installation

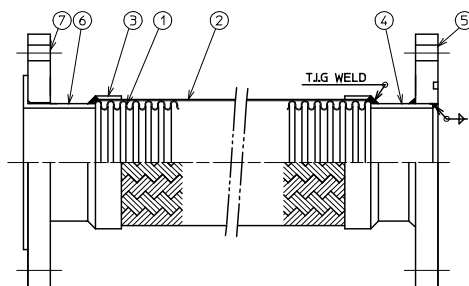


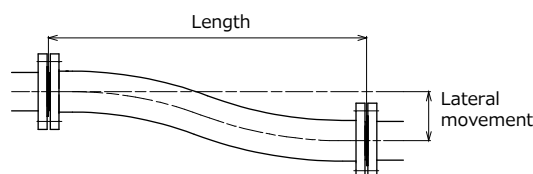
Table1 Parts List

No.	Name	Material
1	Bellows	Stainless steel 304
2	Braid	Stainless steel 304
3	Braid cover	Stainless steel 304
4	Pipe	Stainless steel 304
5	Flange (VG)	Stainless steel 304
6	Lap joint	Stainless steel 304
7	Flange (VF)	Stainless steel 304

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

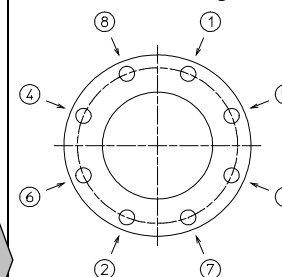
2. Installation

- ① Please set the gasket so that it does not shift from the groove.
- ② Please insert the set bolt toward the piping side from the product side.
- ③ Please confirm whether the lateral movement of piping is within the allowable range.



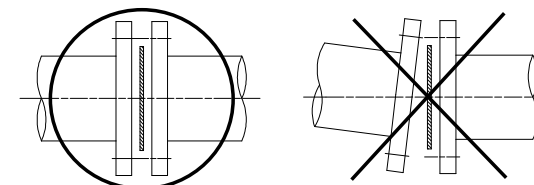
3. Tightening of the bolts

The order of bolt tightening.

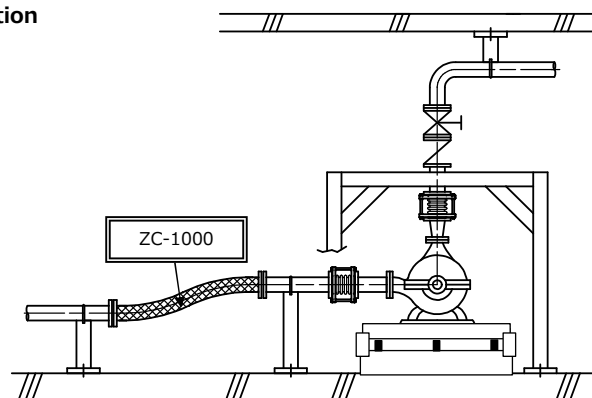


- ① Please tighten the bolts diagonally and equally.
- ② Please tighten the opposite side of flange with same way.
- ③ When you use the bolt and nut made of stainless steel, please apply lubrication.

⚠ Please confirm whether the flange face is parallel before tightening.



Completion



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 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.
- Please select the pipe size not to exceed 3m/s of flow velocity.
(inside diameter base)
- In case of corrosive fluid for stainless steel, ZTF series products (fluoro-resin bellows) are recommended.