

Installation Manual (Fluoro Resin Flexible Joint)

ZTF-2000



Installation Procedure

1. Before installation

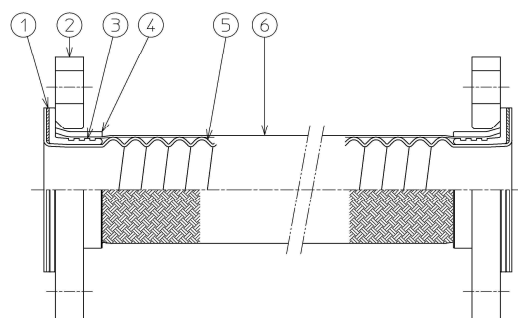


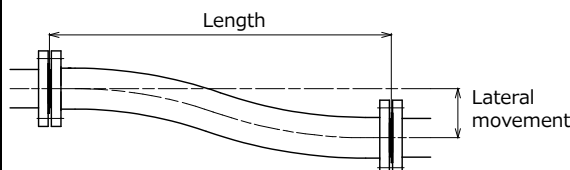
Table1 Parts List

No.	Name	Material
1	Gasket	Non-asbestos
2	Flange	Stainless steel 304
3	Sleeve	Stainless steel 304
4	Cover	Stainless steel 304
5	Tube	PTFE
6	Braid	Stainless steel 304

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

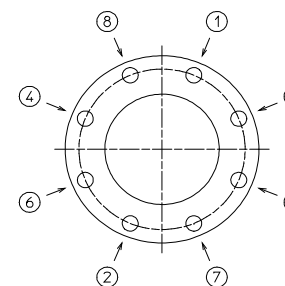
2. Installation

- Before installation, please wipe off the dust of the sealing surface on the product side and the piping side with a rag etc., check that there are no foreign substances and set the product between the piping flanges.
- This product can be sealed without a gasket because the sealing surface is formed by folding back the tube (fluoro resin). However, if there is concern that the sealing surface on the product side may be damaged due to scratches on the piping side sealing surface, it is recommended that a separate gasket be prepared and used.
- Please insert the set bolt toward the piping side from the product side.
- Please confirm whether the lateral movement of piping is within the allowable range.



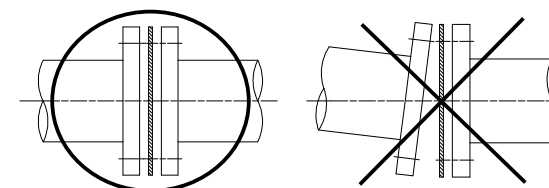
3. Tightening of the bolts

The order of bolt tightening.



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

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



Option

Negative pressure specification	V-sleeve is inserted inside the end and stainless spring is wrapped around the outer surface of the hose to enhance resistance to negative pressure.
Polypropylene braid type	Resin blades are used to prevent blade damage due to corrosive gas permeation.
Anti-static specification	Hoses with carbon added to prevent static electricity buildup in the hoses.

NOTES

- 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)
- Insert set bolt from product side and tighten bolts evenly in diagonal line order.
- If a fluoro resin hose is used in a negative pressure environment, the hose may deform inward and be damaged. If the internal pressure is negative, use a product with a negative pressure specification.
- When using corrosive gases or vaporizing fluids such as hydrochloric acid, the permeated corrosive components may absorb moisture in the air and generate acid, which may corrode the stainless steel braid. If there is such a risk, use a product with polypropylene braid specification.
- In case of high specific gravity fluid, fuel, or high-pressure steam, the hose inside may become charged with static electricity. If the accumulated static charge exceeds the charge limit, it may discharge toward the outer braid, which may cause damage to the hose. If there is such a possibility, use a product with anti-static specification.