

Installation Manual for the Anti-Vibration Joint (PTFE)

ZTF-5000



Installation Procedure

1. Before installation

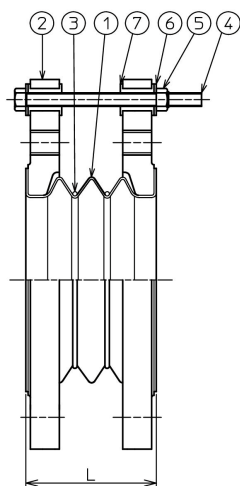


Table1 Parts List

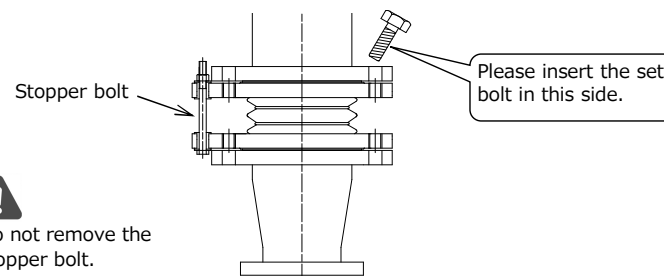
No.	Name	Material
1	Bellows	PTFE
2	Flange	Malleable cast 450
3	Control ring	Stainless steel 304
4	Stopper bolt	Carbon steel
5	U-nut	Carbon steel
6	Washer	Carbon steel
7	Grommet	Chloroprene rubber

Table2 Product standard length

Size	Length	Size	Length
20A	45	100A	85
25A	45	125A	100
32A	50	150A	100
40A	50	200A	110
50A	70	250A	120
65A	75	300A	120
80A	85		

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

2. Installation



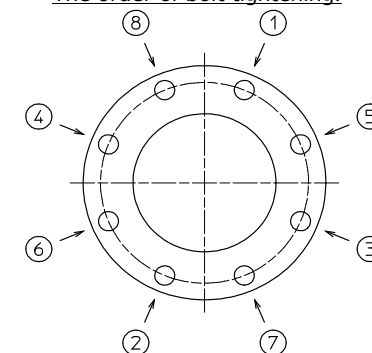
- ① Before installation, please wipe off the dust of the sealing surface on the product side and the piping side with a rag etc., check that there are no foreign substances and set the product between the piping flanges.
※ This product can be sealed without a gasket because the sealing surface is formed 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.
- ② Please insert the set bolt toward the piping side from the product side. The bolt holes in the product are threaded, so nuts are not necessary. Use the set bolts listed in the table below.

Table3 Set bolt length

Size	20A	25A	32A,40A,50A	65A,80A	100A	125A,150A	200A	250A,300A
Bolt spec	M12 ×30	M16 ×30	M16 ×35	M16 ×40	M16 ×45	M20 ×50	M20 ×55	M22 ×60

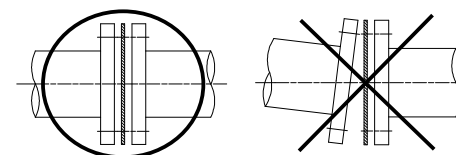
3. Tightening of the bolts

The order of bolt tightening.

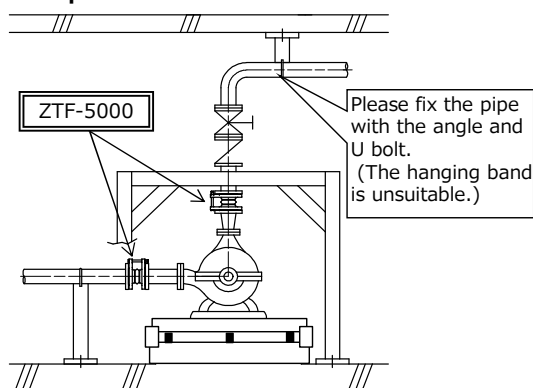


- ① Tighten the bolts diagonally and equally.
- ② Tighten the opposite side of flange with same way.

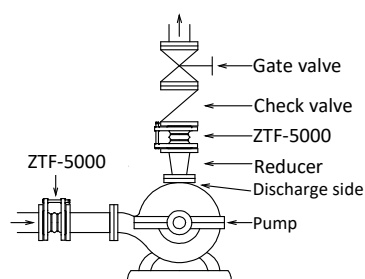
⚠ Please confirm whether the flange face is parallel before tightening.



Completion



For the discharge side of the pump, install the Reducer, product, check valve, and gate valve in this order.



NOTES

- This product is not designed for absorb the axial movement but vibrations.
- 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.
- Insert set bolt from product side and tighten bolts evenly in diagonal line order.