

# Installation Manual for the Anti-Vibration Joint

## A·V·JOINT



### Installation Procedure

#### 1. Before installation

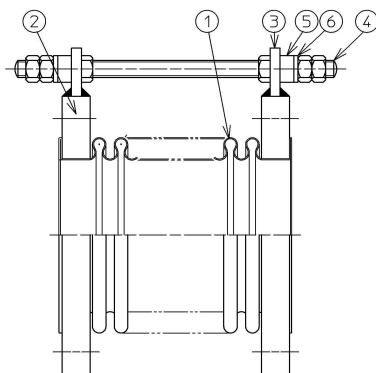


Table1 Parts List

No.	Name	Material
1	Bellows	OUTER-Stainless steel 304 INNER-Stainless steel 316L
2	Flange	Carbon steel
3	Holder	Carbon steel
4	Tie-rod bolt	Carbon steel
5	Absorber	Inorganic Fiber
6	Washer	Carbon steel

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

#### 2. Installation

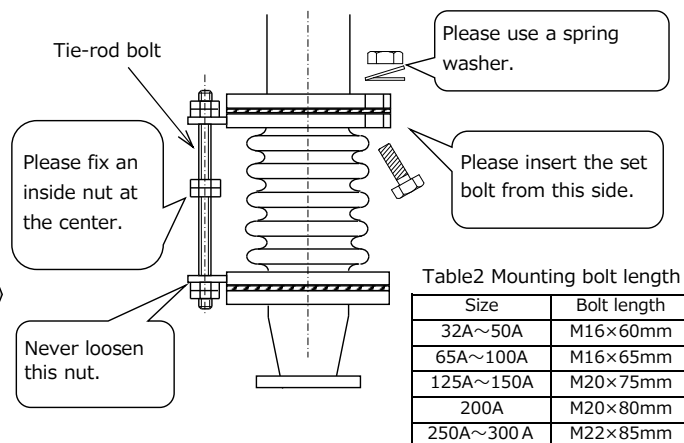


Table2 Mounting bolt length

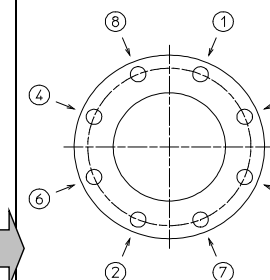
Size	Bolt length
32A~50A	M16×60mm
65A~100A	M16×65mm
125A~150A	M20×75mm
200A	M20×80mm
250A~300A	M22×85mm

- ① Please fix an inside nut at the center.
- ② Please install between the piping flanges not to move the gasket from the sealing surface and not to damage the sealing surface.  
※ The full-face gasket is recommended.
- ③ Please insert the set bolt toward the piping side from the product side. Use spring washers to prevent the nuts from loosening.

⚠ Do not remove the tie-rod bolts.

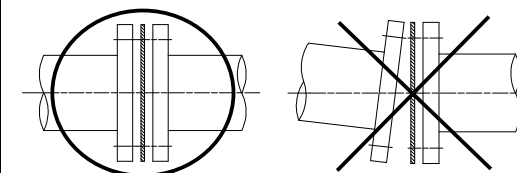
#### 3. Tightening of the bolts

The order of bolt tightening.

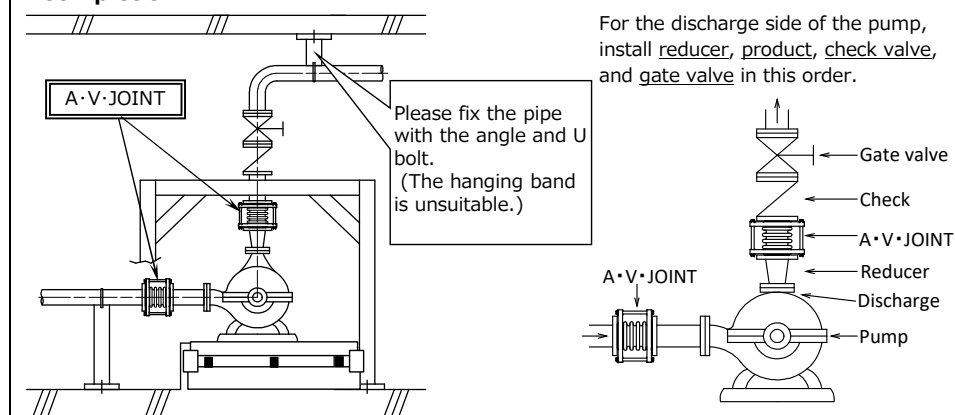


- ① Tighten the bolts diagonally and equally.
- ② Tighten the opposite side of flange with same way.
- ③ When you use the bolt and nut made of stainless steel, please apply lubrication.

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



#### Completion



#### NOTES

- This product is not designed for absorb the axial movement but vibrations.
- The piping system might resonate when the fixation of piping is insufficient. Please fix the pipe near A·V·JOINT.
- Please select the piping diameter not exceed 3m/s of flow velocity. (inside diameter base)
- For pool circulating water, acids, and alkalis, use ZTF-5000 or ZRJ-BT.
- 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.