



General Suppliers

**Flanged Rubber Flexible Connector PN16/PN25**  
**MV600-1/MV600-1.CR/MV600-7/MV600-7.CR/**  
**MV600-4/MV600-4.CR**  
**Installation & Maintenance Instructions**

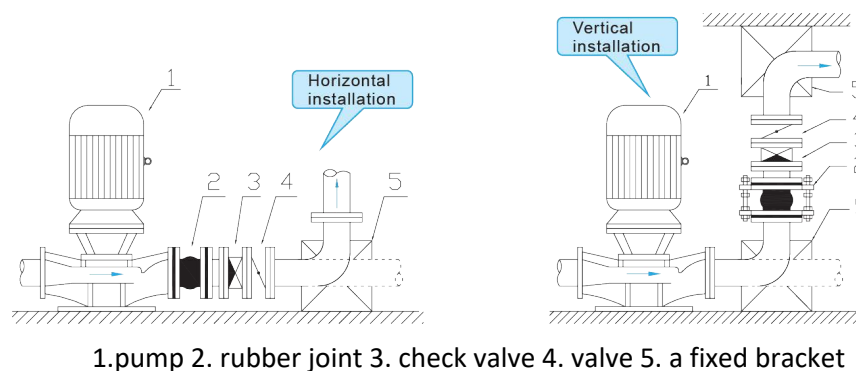
The rubber joint is used to connect the pipeline equipment, which can reduce the vibration and noise and compensate the displacement. It can reduce the pipeline operation of vibration and noise, it can within the allowable range absorption pipeline due to thermal expansion and contraction produces changes in size. It can not bear the pressure of the pipeline pressure, blind plate force, therefore, the rubber joints should be fixed at both ends of the stent, or the use of a limited position rubber joint.

Please pay attention to the following problems in the installation and use of rubber joints:

**Fixed bracket and limit rubber joint**

Rubber joints should be fixed at both ends of the bracket, otherwise, should be used to limit the rubber joint. The main body of the rubber joint is a rubber hose, which can not reach the same hardness and strength as the metal pipe fittings. Pipeline, fluid through the pump pressure outflow, encountered a bend or blind plate, to generate internal pressure thrust, thrust will let the displacement of the pipeline, at this time, pipe pulling rubber joints, rubber joint because it is a soft rubber material, it will appear elongated, and then produce tensile, tear off bad disc damage phenomenon. In order to solve this problem, the two ends of the rubber joint should be provided with a fixed support, which is offset by the internal pressure of the pipeline to prevent the joint from stretching. You know, although elongation characteristics of rubber joints, but the characteristics just to compensate for the pipeline due to thermal expansion and contraction produces a change of size, can not bear the pipe elongated.

(1) a rubber joint bracket mounting:



(2) limit rubber joint:

Limit a rubber joint with anti pull off device , it is not convenient to set a fixed bracket, or both ends of the joint without a fixed bracket, or vertical installation, the use of the products, prevent product pull off, to ensure safety.



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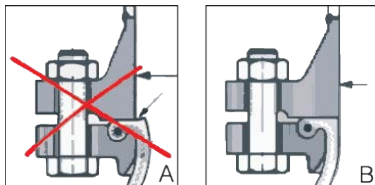
### Material

Rubber joints according to the different rubber materials applicable to different fluid media, ordinary rubber joint is mainly used for conveying - 15°C to 80°C water, concentration is below 10% of the acid and alkali solution. Another: EPDM high temperature rubber joints, fluorine rubber high temperature resistant rubber joints, oil resistant rubber joints, and cold resistance, wear resistance, chemical corrosion and other special rubber joints can meet the needs of different.

Note: ordinary rubber joints encountered high temperature fluid, oil, etc., may be cracking, coke burning, hair, melting and other damage.

### Installation and connection

(1) flange. The rubber joint is connected with flange (screw thread), and both ends should be connected with the flange of the pipe, and the pipe flange should use BS4504, PN16/PN25 (RF) flange. It cannot and the clip type valves and other fittings directly connected because when connected with the pressing, the cover of the illegal Lanmi if less than rubber joint sealing surface, like the cutting of metal to rubber, resulting in damage to the product. See figure below:



A, the connection point, the inner diameter of the pipe flange is larger, the inner mouth cut to the rubber joint sealing surface, the installation work process, will cause the sealing surface damage, this is wrong.  
B, the diameter of the pipe flange is as large as the inner diameter of the rubber joint, which is correct.

(2) screw. Mounting screw nut best installation of spring pad, and gradually symmetric compression screws, every time before opening the pump, nuts should be re tightening pressure, repeatedly, until the nut no loose.

(3) check valve. According to the direction of the fluid, the rubber joint to a non-return valve (see installation illustration), when the pump stops, check valve closed in a timely manner, effectively eliminate the water hammer, protect the safety of rubber joints and pump.

### Length and displacement

Rubber joint and pipe length should equal spacing, can not be stretched or compressed short after installation. If the length is not, should adjust the spacing between pipes, or replace other length products. Artificially lengthen the installation, may cause damage to the product, or can not play a normal function of the rubber joint.

Rubber joint axial elongation compression, lateral displacement and angular deflection characteristics, however, the installation and use of displacement beyond the range, the product will be damaged, before use should first calculate the pipeline expansion amount. Displacement data please refer to my company product samples.



### The following environments will reduce life expectancy

(1) the working environment of hot air, sunlight, ozone. (2) often in high temperature and high pressure working conditions. (3) medium containing impurity particles or larger, oil, acid and alkali etc..