



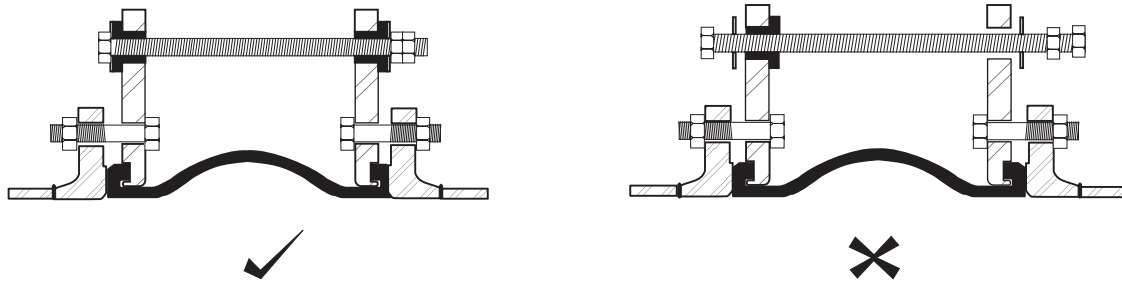
STOURFLEX®

J & P Supplies Ltd

Expansion Joints & Pipeline Equipment

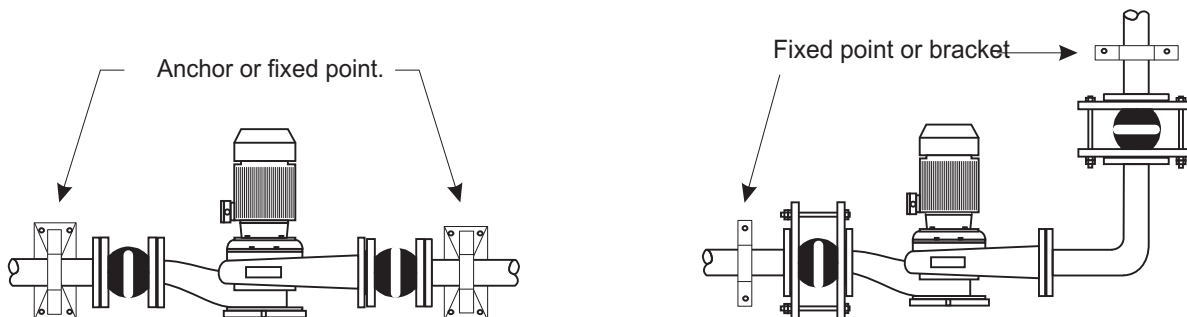
Installation, Operation and Maintenance Instructions for Rubber Bellows.

Installation Continued. When tied rubber bellows are being used they must be installed at their neutral (supplied) length. Recheck installation length and movement capabilities of the bellows being installed. Ensure that the steel washers and the rubber top hat washers have been correctly fitted. Tie bar assemblies should be uniformly tightened and bolts rechecked after approximately seven days.

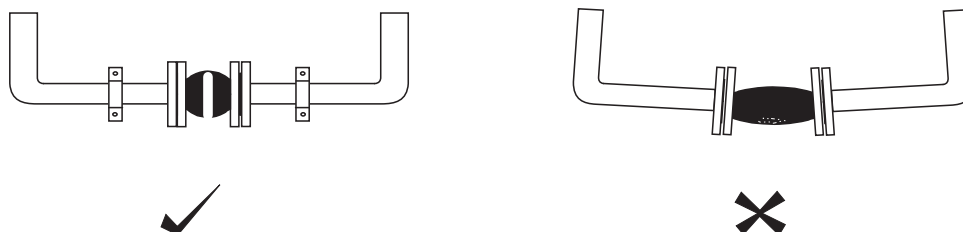


Pressure Test. If a hydraulic pressure test is to be carried out on a system containing rubber bellows ensure that the anchors are correctly fitted before the test is carried out. Also ensure that the test pressure (usually 1.5 x working) does not exceed the test pressure of the rubber bellows.

Anchoring. Rubber bellows must be anchored to ensure their correct performance. Tied rubber bellows should be selected for sizes above 80mm and where pressures exceed 3 bar.



Rubber bellows will exert a pressure thrust in service and must be anchored to protect adjacent pipework and equipment. Rubber bellows will extend under pressure and must be anchored to prevent this happening.



Maintenance. When properly installed and used at their correct operating temperature and pressure rubber bellows will give many years of trouble free service. However rubber bellows should be inspected periodically for signs of deterioration. If insulation is to be used this should be removable to allow inspection to be carried out. Flange bolts should be checked and re-tightened if required. Rubber bellows should not be painted as this may reduce service life. If fine hair cracks become evident in bellows membrane this is a sign that the bellows is nearing the end of its service life and should be replaced at the next convenient opportunity. A rubber bellows is an important part of any heating or chilled water system and consideration should be given to keeping a quantity of spares that would prevent a long term shutdown of the system.

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