



**FULLER  
VALVE**

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FullerValve

## Expansion Joints

### Rubber Expansion Joints

A variety of conditions can negatively affect piping systems.

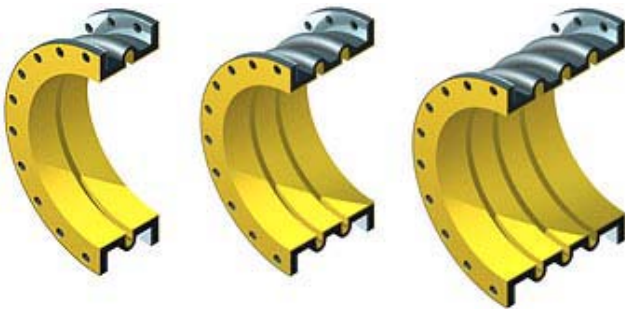
Thermal expansion and contraction, along with shifting or vibrations, can lead to movement and bending of the piping. Over time this can be significant and put excessive stress on the piping system.

Expansion joints protect the most vulnerable sections of piping -the connections at pumps and equipment or elbows and fittings- from these conditions and help isolate the stresses caused by pipe movement.

Fuller Valve manufactures high quality, engineered, rubber expansion joints for demanding applications.



### Hand Made Spool type expansion joints

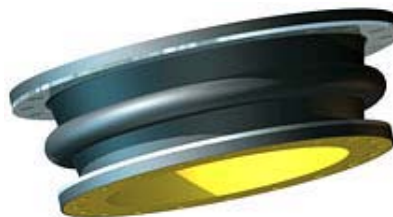


Conforming to industry standards, and available in a range of elastomers this is our most versatile expansion joint.

Standard spool type expansion joints are available in three pressure rating from 15 psig to 200 psig and also for vacuum service. Higher working pressures can be supplied for special applications.

Multiple arch designs are available for high movement applications and non-standard lengths can be accommodated with ease.

Individually manufactured by skilled technicians this style of expansion joint can be supplied straight spool type, offset, and concentric or eccentric reducers.



Control units are recommended to prevent damage to the expansion joint from excessive movement that can occur if the attached piping is not adequately supported and guided.

## Wide arch expansion joints

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For situations where high movements must be absorbed but the installation space is limited then Fuller Valve can provide wide arch expansion joints to suit the specific application. Wide arch expansion joints are available in both hand made and moulded construction.



## Moulded Spherical Expansion Joints

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Moulded, Spherical Arch Expansion Joints provide a high pressure rating with the added benefit of a non-clogging, long radius arch configuration.

The steel flanges rotate easily on the bellows making it easier to line up the bolt holes during installation.



**Available in single and double arch, Moulded Spherical Arch Expansion Joints are ideal in heating and cooling systems where low capital cost is a factor.**

## Steam Turbine Expansion Joints

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Electric Power Stations using Steam Turbines need to isolate the turbine from the steam condenser to reduce stresses at the turbine neck, isolate vibration and to allow for differential movement of heavy equipment that can occur over time.

Much of this equipment is over 50 years old and documentation is hard to find for this type of expansion joint.

Additionally, the techniques and materials used in the original construction are no longer commonplace as newer installations have used newer "dog-bone" type expansion joints.

Fuller Valve has the expertise, using any available documentation and taking field measurements if necessary, to manufacture a specially designed replacement that will not only fit but will perform as expected.