

POSIFLEX

Precise, predictable performance. Movement

The low spring rate and high movement properties of a PosiFlex joint are predictable and consistent. Such precision is invaluable to piping and stress engineers, enabling them to anticipate movement and design accordingly.

Custom designed

Joints are manufactured from a wide range of rubber compounds, open or filled, single or multiple arch and designed to accommodate the needs of individual pipe systems conveying materials as diverse as foodstuffs, chemicals or crude oil.

Produced in the United Kingdom, units are available in most common elastomers. Compounds are chosen to meet customers' specific requirements.

Available compounds:

EPDM
Neoprene
Chlorobutyl
Nitrile
Viton®
Hypalon®
Natural rubber

In addition to compensating for movement, they also provide the means to reduce noise or vibration and introduce stress relief. Sizes from DN40 to DN2700 can be accommodated with flanges to most common specifications.

Control units

For pipework which is not anchored, control units are available to prevent excessive joint movement. Where a pipeline is not securely anchored a control rod assembly is vital to limit end thrust in the elastomeric joint and to minimise any possible damage to the joint from excessive movements of the pipeline. The control unit also protects against the damage of other installed pipework equipment.

Strength in pressure or vacuum applications

Strong polyester reinforcement is a standard feature of all PosiFlex joints. Larger joints also incorporate a completely embedded vacuum support ring, providing strength and ensuring minimal distortion without contact with the medium being conveyed.

Out-performs other methods

Unlike metal expansion bellows, a PosiFlex elastomer joint will resist corrosion and erosion, and compensate for all types of pipe movement.

Quality Assured

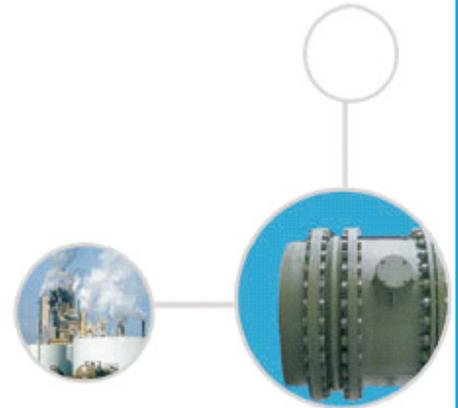
PosiFlex expansion joints are designed and manufactured under quality control management systems certified to BS EN ISO 9001:2000.



ISO 9001



ISO 14001



Features

Multi-dimensional movement
High movement capability.
Low spring rates.
Precise, predictable movement
Integral Vacuum Support Rings
Full range of rubber compounds available
Tried and tested designs
Flange configurations
Double and triple arch joints available
Filled arch models available
Custom designed control units
Full flange face sealing
Full bore
Segmented retaining rings

Benefits

Expansion/contraction - torsion - vibration - rotation - lateral. All movement can be accommodated at the same time without embrittlement and fatigue.
Fewer expansion joints required.
Reduces system stress.
Accuracy during pipework design.
Built into to the carcass, eliminating medium contact.
Capable of working nwith a variety of mediums
Full range from 40mm to 2700mm Nominal Bore.
Full range available: PN/DIN/ANSI/AWWA
For additional movement requirements.
Ideal for slurry applications.
Ease of installation, sized per project and retro-fittable.
Sealing maintained under all movement conditions
No flow obstruction, reduced cavitation and turbulence
Easy to install, enabling full flange sealing