

FABRIC

Expansion Joints

Fabric expansion joints are extremely flexible and can be made from a variety of special woven fabrics coated or laminated with selected elastomers or fluoropolymers. Fabric expansion joints are used to insulate, to avoid mechanical loads and to protect against abrasion. They offer advantages for the pipe work designer as they can absorb movements simultaneously in several directions. Further, they have almost no reactive forces and require little space. Fabric expansion joints are easy to customise to suit existing operating conditions and are easy to transport and install. In comparison to metallic expansion joints fabric offers almost unlimited flexibility, giving the piping designer more options.

Advantages

- » They can be designed and manufactured in various types in accordance with required operating conditions
- » High vibration and noise elimination
- » Compensation on thermal expansion
- » High flexibility
- » Working temperature up to 850°C
- » Minimum reaction force

Applications

- » Chemical process plants
- » Cement manufacturing
- » Pulp and paper industry
- » Power stations
- » Refineries
- » Shipbuilding
- » Steel plants
- » Sugar plants
- » Gas turbine installations

DESIGN VALUES

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|--------------------|--------------|
| Design Pressure | up to 1 barg |
| Design Temperature | 850°C |

