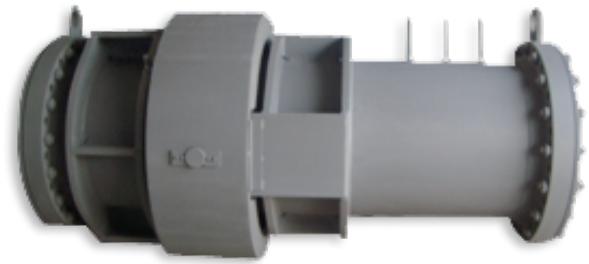


## Externally Pressurized Expansion Joint

Externally pressurized expansion joints are alternative for standard axial expansion joints. This type of expansion joint is designed so that the pressure is external to the bellows for maximum stability. This unique design makes it possible to allow large amount of axial movements while containing high pressure and high temperature. Kurbo offers 100mm, 150mm and 200mm axial travels with single expansion joint. For larger movement up to 400mm axial travel, dual configuration can be designed. .

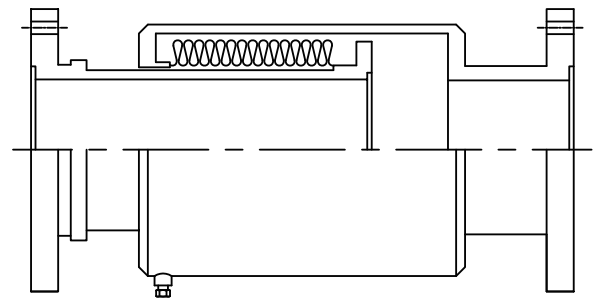
### Applications

- Replace costly equalizing expansion joint system
- Replace space confining pipe loop
- Replace maintenance required slip joints
- Ideal for long pipe run steam lining that require high pressure/temperature containment with lots of axial movement



### Features

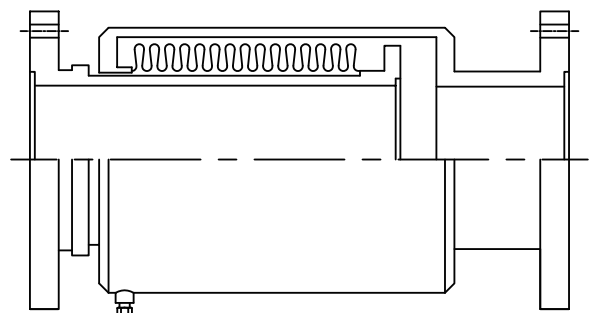
- Absorb large amount of axial movements
- Pressure thrust will be transmitted onto the pipeline
- Bellows element is externally pressurized
- Totally enclosed for maximum safety
- Correct anchoring and guiding must be used
- Drains naturally due to gravity
- Available with optional drain port
- Leak-proof and no packing



*Pressure is external to bellows for safety*

### Advantages

- Safety  
The outer cover contains the full line pressure of the system, thus in the event of bellows failure, the media could not escape radially outward and harm personnel in the area.
- No Additional Liner  
Smooth flow eliminates the need for liners
- Self Draining  
Kurbo standard type of externally pressurized expansion joints come with drain port. The sediment or residue collects at the bottom of the casing for easy venting, thus reducing the corrosion problems.
- Maintenance Free/ Improvement over Slip Type  
This type of expansion joint does not require maintenance or need lubrication or repacking, therefore making it ideal in areas where accessibility is limited. This is a distinct improvement over the slip type.



*When a pipeline expands, expansion joint compresses, but it stretches the bellows. Bellows remains stable due to external pressure*