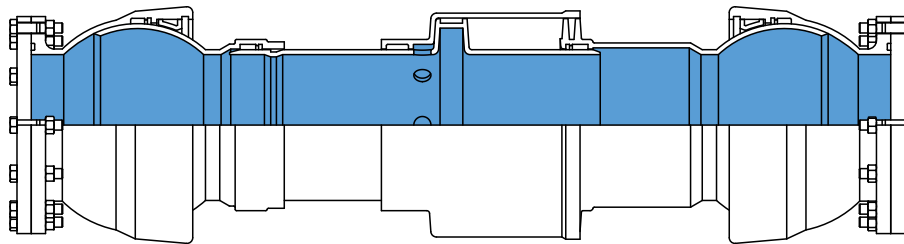
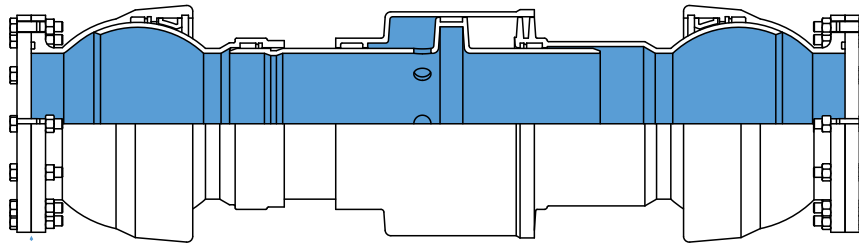


Force Balanced Flexible Expansion Joint

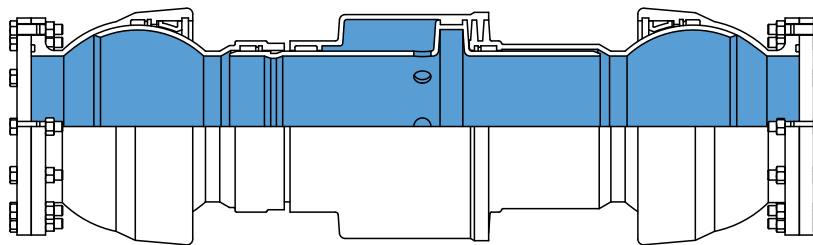
EBAA's Force Balanced FLEX-TEND is the only flexible expansion joint that does not expand under pressure. Standard Expansion joints, due to hydrostatic pressures, generate an axial thrust force which needs to be accommodated during pipeline design. Additionally, when standard units expand, their internal volume increases and naturally, when contracted, that volume decreases. The EBAA Force Balanced FLEX-TEND is engineered with an additional water chamber to generate an **equal** and **opposite** force nullifying the original force - making the unit Force Balanced! Since the chamber area is equal to that of the pipe size area, the volume in the unit never changes, adding extra protection from the unit developing pressure surges during movement. **EBAA's Force Balanced FLEX-TEND saves time and money where flexible expansion is required.**



Maximum Expansion



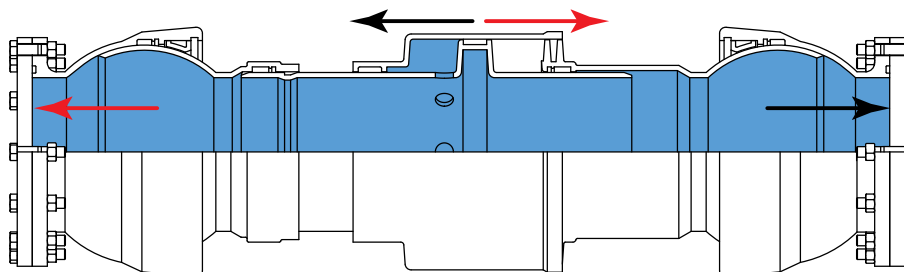
Mid Expansion



Minimum Expansion

Constant Volume during all phases of expansion

Thrust Forces are equal and opposite, balancing all forces



Unit will not expand under internal water Pressure