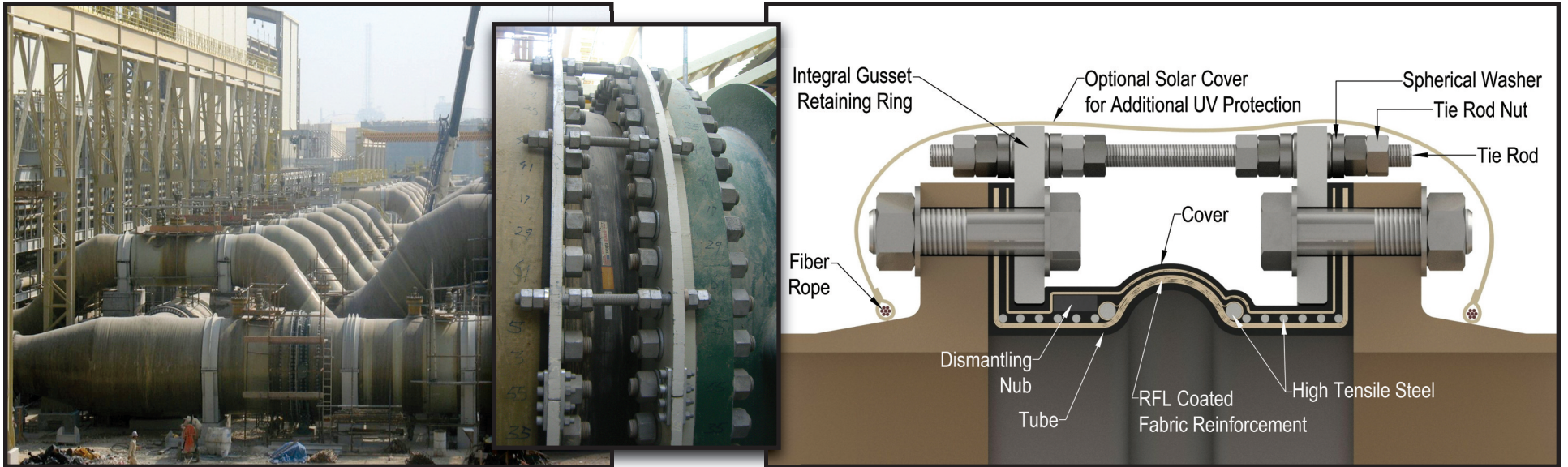


Advanced Design Rubber Expansion Joints for Desalination Plants



Design Features: Diameters up to 4500mm (178"). Pressures up to 50 bar (725 psi) and full vacuum with NSF certified elastomer available.

- Integral full-face rubber flange provides greater sealing area with all reinforcing fabric extending to flange OD for maximum safety.
- Integral gusset rings installed in sections with structural mend plates facilitate replacement of rubber body.
- Reinforcement is embedded into the rubber which increases movement capability and decreases spring rate. No need for internal loose vacuum rings.
- Wide flowing arch virtually eliminates settlement build-up while providing increased movements and decreased spring rates.
- The rubber body is a stand-alone product which meets operating, design and test conditions without the need for external steel stiffening rings.
- RFL-coated reinforcement for maximum adhesion and to prevent delamination.
- Proprietary and advanced EPDM elastomer provides maximum external UV protection while withstanding degradation from harsh sea water properties.

System Benefits: Design life 25+ years minimizing the need for spares with over 35 years of proven operation reducing maintenance costs.

- Optional dismantling nub and integral retaining ring provide access to pumps and valves, eliminating the need for directional low-tech slip joints.
- Design compensates larger installation tolerances and GRP/FRP flange dimensional tolerances.
- Fabric solar covers increase the life of rubber expansion Joints exposed to the most harshest UV/desert conditions and are easy to install and replace for inspection purposes.
- Alternative and advanced elastomer materials available (e.g. NSF Certified, Viton®, Butyl, Neoprene, Teflon® lined, etc.) as well as a wide selection of hardware materials (e.g. carbon, stainless, duplex, and super duplex), and advanced coatings.
- Alternative advanced in-line pressure-balanced design for directly absorbing large axial thermal movements while continuously self-restraining the pressure thrust forces.
- General Rubber's technical sales and engineering staff are pleased to provide expert help regarding the application and installation of any of our products.

