

FRP COMPOSITE PRESSURE VESSELS

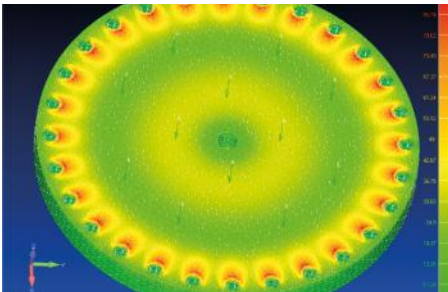


Pipex px[®] FRP ASME X Pressure Vessels for a Sea Water Filtration System for an Offshore Oil Platform

Pipex px[®] design and manufacture bespoke offshore oil & gas Fibre Reinforced Polymer (FRP) pressure vessels that are a lightweight, corrosion resistant alternative to metallic equivalents.

Manufactured using high quality resin transfer moulded and filament wound components, our FRP pressure vessels are manufactured in accordance with a number of internationally recognised pressure vessel standards, in a range of sizes and pressure ratings for the ultimate longevity in the harshest of environments.

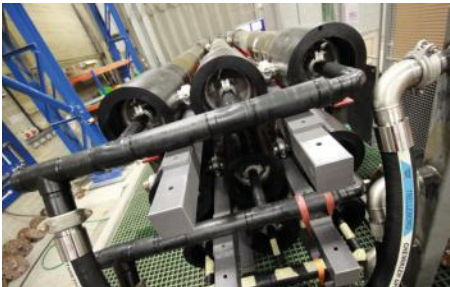
For more information, please contact our Business Development Director, Jeff Ince | 01752 581200 | JeffInce@pipexp.com



Finite Element Analysis (FEA) image of ASME X Pressure Vessel component



(Pipex px[®] FRP Side Ported Pressure Vessels for LoSal[®] EOR Sea Water Reverse Osmosis during on-site installation)



Pipex px[®] FRP Side Ported Pressure Vessels for LoSal[®] Enhanced Oil Recovery (EOR)



Bespoke, in-house built CNC machine to provide high precision manufacturing tolerances



(30" and 20" Pipex px® ASME X Pressure Vessels for the BP Clair Ridge Platform)

FRP Composite Pressure Vessels Standards

- ASME X, BS 4994 & BS EN 13923



1. Inlet/Outlet nozzles
2. Laminated lifting eyes
3. Bespoke laminated vessel supports
4. Optional bolted or domed access top & bottom

Advantages of Pipex px® FRP Pressure Vessels

- Lightweight, typically 1/6th the weight of comparable metallic vessels
- Highly corrosion resistant
- Zero maintenance, lowering overall costs
- Design life expectancy of 25+ years dependent on the application
- Manufactured to suit exact customer requirements
- Available in conductive & non-conductive materials

Engineering Services

- Pressure vessel design
- Finite element analysis (FEA)
- Piping design, assistance & verification
- Field service engineering
- Piping stress analysis
- 3D laser surveys
- Innovation, research & development
- 3D modelling to support Building Information Modelling (BIM)

