



Innovative Engineering,
Renovating Life



Pipe System for Offshore Applications



GRE Pipes

EPP Composites Pvt. Ltd.

INTRODUCTION

EPP Composites Pvt. Ltd. is an API certified company and a leading manufacturer of Fiber Glass Composites products since more than two and half decades. Our Glass Reinforced Epoxy (GRE) piping system offers complete solution for offshore environment against highly corrosive fluids at various pressures, temperatures, adverse soil and weather conditions (especially in oil exploration, desalination, chemical plants, fire mains, dredging, portable water etc.) EPP is the first Indian company to get API Monogram for GRE Pipes.

- Manufactured using filament winding process
- Pipes available from DN 25 mm to DN 600 mm
- Pressure class PN 10 to PN 70 Bar as per API 15 LR
- GRE Pipes are designed as per AWWA M 45 / ISO 14692

MATERIAL OF CONSTRUCTION

Glass fibre reinforced EPOXY pipes

QUALITY ASSURANCE

- Strict adherence to International Standard design and testing codes
- Approval from National and International Authorities

ADVANTAGES OF GRE PIPES

- Corrosion Resistance
- Light Weight & Long Service Life
- High Resistance to Surge Pressure
- Low Thermal Conductivity
- Better Hydraulic Efficiency

AREA OF APPLICATION

- Chemical processing
- Corrosive liquid transmission
- Desalination
- Fire water and Fire protection
- Steam condensate return
- General water service
- Brine transmission

PETROCHEMICAL & REFINERY SECTOR

- Oil field application
- Crude oil transmission
- Salt water disposal
- Fire water and fire protection
- Sea water transmission
- Potable water transmission

OFFSHORE

- Cooling Water
- Drainage
- Sewerage
- Column piping
- Fire water and fire protection
- Potable water

MARINE

- Cargo
- Crude oil slop line and wash line
- Effluent
- Fire water and fire protection

FUEL HANDLING

- Fuel depots
- Jet fuel handling
- Service condition

ENGINEERING & FIELD SERVICES

- We offer turnkey solutions with engineering, manufacturing, procurement, contracting, installations and commissioning.



JOINING METHODS

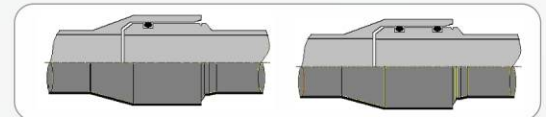
A – Adhesive Bonded Joint

Straight Joint and Taper/Taper bonded Joint

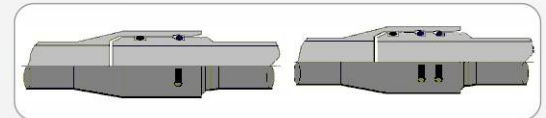


B - Mechanical Joint

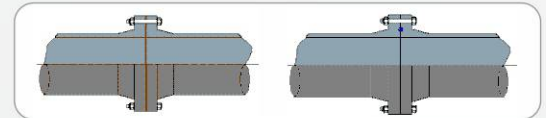
“O” Ring Joint



Key Lock Joint System



Flange Joint



Flange Gasket Joint

Flange Joint with
“O” ring seal Joint



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