FRP and Dual Laminate Equipment Manufacturing

RPS COMPOSITES

Corrosion and Abrasion Resistant Tanks and Vessels

RPS is certified by ASME to fabricate FRP (fiberglass reinforced plastic) and dual laminate tanks and vessels to ASME RTP-1. Dual laminate liners include PVC, CPVC, PP, PVDF, ECTFE, FEP, PTFE, PE, and PFA. Custom built to your specifications.

Dual Laminate Pipe Systems 1" through 24"

A dual laminate pipe system incorporates a thermoplastic liner in an FRP structure, combining the enhanced corrosion resistance of thermoplastics with the higher strength and load carrying capabilities of FRP.

- MAXAR Blue FEP/FRP
- MAXAR Red PVDF/FRP
- MAXAR White PFA/FRP
- ECTFE/FRP
- CPVC/FRP
- PP/FRP
- PVC/FRP

FRP Pipe Systems 1" through 120"

RPS corrosion and abrasion resistant FRP pipe systems offer significant performance and cost advantages over steel, alloy, and rubber lined steel materials.

- Corrosion Resistant HPPE P-150 – Vinyl Ester (VE) Resin
- Corrosion/Abrasion Resistant HPPE A-150 – Abrasion Resistant VE Resin
- AA Series FGD Slurry Spray Piping – Abrasion Resistant VE Resin
- High Temperature Corrosion Resistant HPPE H-Series – Novalac VE Resin
- Pipe Supports

Note: HPPE P-150, HPPE A-150, and H-Series are ASME NM.2 compliant

Custom Composite Equipment

- Containment Liners
- Strippers
- Linings
- Acid Cells
- Strainers
- Duct
- Covers
- Baffles
- Roofs
- Platforms
- Pipe supports
- Lamella
- Manifolds
- Headers
- Alignment grids
- Decks
- Stacks
- Conical Outlets
- Beams
- Deflectors
- Panels

Construction/Field Services

RPS field service crews are available 24 hours a day seven days a week, for installation, inspection, and maintenance of composite equipment.

- Inspection
- Installation
- Training
- Maintenance
- Panel Linings
- Laminating
- Field Joints
- Emergency Repair
- Relining
- Non-Destructive Testing and Inspection
- Thermoplastic Welding
- Long Term Service Agreements

Engineering Services

When you work with RPS Composites you have full support from our in-house team of professional engineers.

- Material Selection
- Finite Element Analysis (FEA)
- Tank and Vessel Design
- Specification
- Component and Equipment Design
- Pipe Stress Analysis (PSA)
- Inspection

Facilities

RPS operates multiple FRP and dual laminate manufacturing, inspection, distribution, and service centers near dense industrial corridors and transportation hubs, enabling us to fulfil large capex projects, and to provide timely local service.

United States — Alabama (Birmingham and Mobile) • Louisiana (Baton Rouge) • Ohio (Cincinnati)
Texas (Houston) • Utah (Salt Lake City) • Virginia (Front Royal) • Pennsylvania (Pittsburgh)
Canada — Nova Scotia (Mahone Bay) • Ontario (Toronto)

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