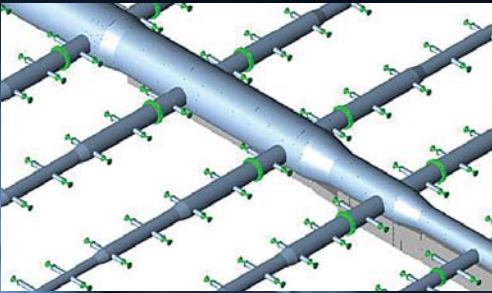




# REINFORCED PLASTIC SYSTEMS

## PRODUCTS & CAPABILITIES



### *Engineering Services*

- Material Selection
- Specification
- Component & Equipment Design
- Stress Analysis
- Finite Element Analysis
- Inspection



### *FRP Pipe Systems 1" through 120"*

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

- P-150 Corrosion Resistant Pipe – Vinyl Ester Resin
- A-150 Corrosion/Erosion Resistant Pipe – Erosion Resistant Vinyl Ester Resin
- H-150 Corrosion Resistant Pipe – Novalac Vinyl Ester Resin
- Custom Designs – Pipe Systems Designed to Specific Applications
- Pipe Supports



### *Dual Laminate Pipe Systems*

Incorporating a thermoplastic liner in an FRP structure RPS dual laminate pipe systems expand the use of composite piping to more aggressive chemical environments.

- PVC/FRP
- CPVC/FRP
- PP/FRP
- HDPE/FRP
- PTFE/FRP
- ECTFE/FRP
- FEP/FRP
- PFA/FRP



### *Shop Fabricated Tanks and Duct through 18' Diameter*

Tanks and process vessels are available in all hand lay up construction, helically wound, or chop hoop construction. Corrosion liners are custom designed to the specific service conditions and are available in any thickness and with a variety of surfacing veils including polyester, "C" veil, "ECR" veil, and Carbon veil. RPS shop and field fabricated tanks are installed in Chemical, Power, Mineral Processing, Pulp and Paper, and Water Treatment plants.

# PRODUCTS & CAPABILITIES



## *Vacuum Infused Components & Equipment*

RPS proprietary expertise in vacuum infusion technology allows us to produce very large components utilizing multiple materials in a one step thermally controlled process. This process produces components with a higher modulus and much more consistent properties than can be achieved through contact molding.

*Applications include:*

- Rectangular Duct
- Round to Rectangular Transitions
- Roofs
- Covers
- Beams
- Deflectors
- Conical Outlets
- Floor panels
- Baffles

## *Custom Composite Equipment*

- Containment Liners
- Towers
- Baffles
- Duct
- Acid Cells
- Strippers
- Stacks
- Scrubbers
- Covers
- Strainers
- Linings

## *Construction/Field Services*

From eight locations in the United States and Canada RPS field service crews are available 24 hours a day seven days a week to provide inspection and maintenance through turn key installation of composite equipment.

- Inspection
- Linings
- Thermoplastic Welding
- Maintenance
- Training
- Installation
- Laminating

## *Facilities*

RPS owns and operates 8 manufacturing/service facilities allowing us to handle large capital projects and provide timely local service.

- United States – Virginia, Pennsylvania, Ohio, Utah, Alabama
- Canada – Nova Scotia, New Brunswick



# REINFORCED PLASTIC SYSTEMS

1.800.343.9355 | [www.rps.ca](http://www.rps.ca)