

BEETLEPLASTICS

Engineered and delivered right, on time.





An Introduction to Beetle Plastics



Beetle Plastics

- Designs and manufactures custom engineered FRP composite pipe, ductwork, tanks, vessels and other equipment
- Cooling towers, process, power, and other applications
- Also provides inspection, installation and repair services.



Beetle Plastics

- Founded in the 1950's as a boat and canoe manufacturer
- Subsidiary of Midwest Towers, Inc.
- Headquarters and main plant, Ardmore, OK
- Nationwide network of sales offices and representatives



Three major goals of every Beetle Plastics job:

- Meet or exceed specifications provided by you, our customer
- Exceed your expectations for quality engineering and timely delivery
- Offer you the best-engineered value



Our Mission

- Technical expertise, integrity, value.
- “Old fashioned” customer service using the latest technology and our long experience to exceed your expectations.
- Maintain the highest level of integrity with our vendors, our customers and among ourselves.
- Deliver outstanding quality and the best engineered value in all our products and services.



Beetle's thermoset resin products:

- Polyester—for light corrosives and fumes
- Vinyl ester—for strong acids and chlorine
- Novolac VE—for high temperature corrosives
- Epoxy—for caustics and general use



Beetle Plastics Products & Services

- Cooling Tower Piping
- FRP Piping & Ductwork
- Tanks & Vessels
- Engineering Services
- Field Services



Cooling Tower Piping



Cooling Tower Piping

- Fiberglass reinforced composite piping for cooling tower headers, circulating water lines, inlet water systems, or overflow lines.
- Recognized as the standard of the industry.
- We know cooling towers so we can meet your cooling tower requirements.



Cooling Tower Piping

- FRP composite, ideally suited for tough cooling tower duty.
- Available in diameters up to 14 feet, lengths to 60 feet.
- “O-Ring” joints available on any pipe diameter and provide the perfect joint method for expansion needed in cooling tower piping systems.



Cooling Tower Piping

Our Specialists offer:

- Engineering support for your design alternatives, span requirements or seismic considerations.
- Immediate response.
- Extensive inventory of stocked parts.
- Field service crews who understand the critical elements of cooling tower piping.
- Competitive pricing.



FRP Piping & Ductwork



FRP Piping & Ductwork

- Diameters from 1/2 inch to 14 feet
- Full vacuum and pressure services
- Filament wound or contact molded
- Wide variety of joints available
- Full range of fittings and connections
- Standard materials or custom formulations including abrasion resistant composites
- Round or rectangular ducting
- Full design and engineering support



FRP Piping & Ductwork

- Abrasion resistant composites
 - Beetle conducted some of the earliest work in the late 1960's
 - 3 significant fabrication techniques influence final abrasion resistance
 - Type of resin
 - Type of reinforcement
 - Armoring modifier



FRP Piping & Ductwork

- Abrasion resistant composites
 - 10X greater service life than non-modified laminates
 - For more information, download our Abrasion Resistant Pipe & Duct flyer



FRP Piping & Ductwork

Make Beetle an integral partner in your design team:

- FRP piping and ducting will exactly meet your specifications and requirements.
- Special installation considerations are planned instead of site adjusted.
- Site access problems are solved in advance instead of fixed in the field.
- Your installation will be installed easier and work better



Tanks & Vessels



Tanks & Vessels

- Standard diameters up to 14 feet, with heights as required
- Custom diameters available
- Standard materials or custom formulations



Tanks & Vessels

- Design assistance available.
- Manufacture and installation of the internals by Beetle; or customer installation after delivery.
- Complete specifications tailored to meet your precise needs.
- Every project is a custom project.



Engineering & Field Services



Engineering Services

- Beetle's engineers have the experience, the skills and the knowledge, to help you with virtually any project related to FRP.
- Enlist Beetle's engineers to serve as an integral component of your design team.
- Let them help establish early design parameters and performance considerations.
- Rely on them to recommend and design the appropriate FRP products to meet your needs.



Field Services

- Procurement assistance
- Anchors, guides and support systems
- Maintenance inspections
- Repair and installation services with HAZWOP certified personnel
- Equipment rebuilding
- On-site modifications



Project File:



Desalination: Bahrain power plant transfers cooling water and desalination water.



Project File:



Power generation: Abrasion resistant piping,
limestone slurry scrubber system.



Project File:



Abrasion resistant piping:
in the factory and ready to ship



Project File:



Pharmaceutical: Fume transfer ductwork
(electrically conductive)



Project File:



Power generation: power plant,
cooling water transfer system.



Project File:



Cooling Towers: Hyperbolic cooling tower,
water distribution headers.



Project File:



Sewer re-lining project with limited access



Project File:



Chemical Plant : 10" diameter supply distribution header



Project File:



Chemical storage: 24"
diameter pressure vessel.



Project File:



Oily waste storage: 8' diameter vessel.



BEETLE PLASTICS, LLC



Ardmore Industrial Airpark

PO Box 1569

Ardmore, OK 73402

Tel 580.389.5421

Fax 580.389.5424

www.beetleplastics.com

Info@beetleplastics.com

