



**DIAMOND  
COMPANIES**

Proudly Represented  
by Core-Rosion Products  
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# DIAMOND COMPANIES

**Diamond is the trusted partner for corrosion solutions, providing custom FRP vessel and pipe fabrication, accompanied with on-site field services.**

## **Diamond Fiberglass**

ASME RTP-1 certified facility providing composite storage tanks and process vessels.

[www.diamondfiberglass.com](http://www.diamondfiberglass.com)

## **Fibrex Piping Systems**

Fabrication of spooled FRP piping featuring the proprietary Integra-Joint™ connection system.

[www.fibrex.com](http://www.fibrex.com)

## **Diamond Services**

Field services providing on-site, turnkey non-metallic solutions.

[www.diamondservices.com](http://www.diamondservices.com)



**DIAMOND FIBERGLASS**  
ASME RTP-1 AUTHORIZED FABRICATOR



**FIBREX**  
FRP PIPING SYSTEMS



**DIAMOND SERVICES**  
ASME RTP-1 QUALIFIED LAMINATORS





## Owner Managed

Diamond Fiberglass has been closely held and owner managed since its founding in 1986. Drawing from a tradition of hands on management, the company's structure is horizontal and the partners work closely with employees to solve customer problems quickly and efficiently. Diamond's management system provides faster decision making and improved communication between employees and customers. Complicated problems that require expedited response are often championed by upper management to allow the organization to remain focused on their core responsibilities.

It is not uncommon to find Diamond's partners in the shop supporting the fabrication teams, providing inspection guidance on parts, working with customers to develop better technical specifications or responding directly to emergency field issues. The partners are also involved in advancing fiberglass fabrication by participating in composite industry committees, such as ASME RTP-1. Finally, each of the partners is active in giving back to the local Victoria Area community by volunteering on boards of local civic, non-profit and charitable organizations.

## Why Choose Diamond Fiberglass?

01

*Diamond is  
RESPONSIVE.*

- Always respond to customers in a prompt manner.
- When a response cannot be provided quickly, communicate when it will be provided.

02

*Diamond MANAGES  
projects better.*

- Utilize a proprietary project management system developed specifically for custom FRP equipment.
- Communicate openly.
- Focus on planning and meeting milestones.
- Commit necessary resources at the right time to be successful.

03

*Diamond offers a  
COMPLETE solution  
for custom FRP tank  
and pipe equipment.*

- Design.
- Fabrication.
- Specialized Delivery.
- Installation.
- Maintenance.





**DIAMOND  
FIBERGLASS**  
ASME RTP-I AUTHORIZED FABRICATOR

## Tank and Vessel Fabrication

Founded in 1986, Diamond Fiberglass operates from its 42,000 square foot facility on an 11-acre site in Victoria, Texas, working with only the best in fabrication materials, state-of-the-art equipment, and experienced, quality people.

Diamond's fabrication facility achieved the ASME RTP-1 certification in 2009. Diamond undergoes third party audits on an annual basis, and major re-qualification every three years. In addition to demonstrating design, fabrication and inspection procedures in accordance with the standard, Diamond is also responsible for establishing roles, responsibilities and qualification methods for key personnel. Laminators and Secondary Bonders are individually qualified by demonstrating composite knowledge and producing demonstration laminates which are tested by third party labs. Qualified Inspectors must pass a visual laminate defect examination annually.

## Diamond's Proven Process



Diamond Fiberglass is authorized by the American Society of Mechanical Engineers to certify fiberglass vessels to the ASME RTP-I standard.



## The Diamond Advantage

- **Experience:** 34 plus years of quality fabrication with unmatched expertise for vessel solutions
- **Design:** In-house P.E. design and drafting. Design Capabilities To: ASME RTP-1, ASTM D3299, ASTM D4097, and NSF 61, among others.
- **Quality:** ASME RTP-1 Certified Fabricator
- **Team:** Owner managed and highly experienced employees
- **Commitment:** To find the best corrosion solution, and a promise to deliver on-time
- **Production Facility:** Purposefully built for FRP fabrication

## Diamond's Pledge

“Diamond's proven process will result in correctly designed equipment, fabricated on time, and will provide the greatest long term value to its clients.”



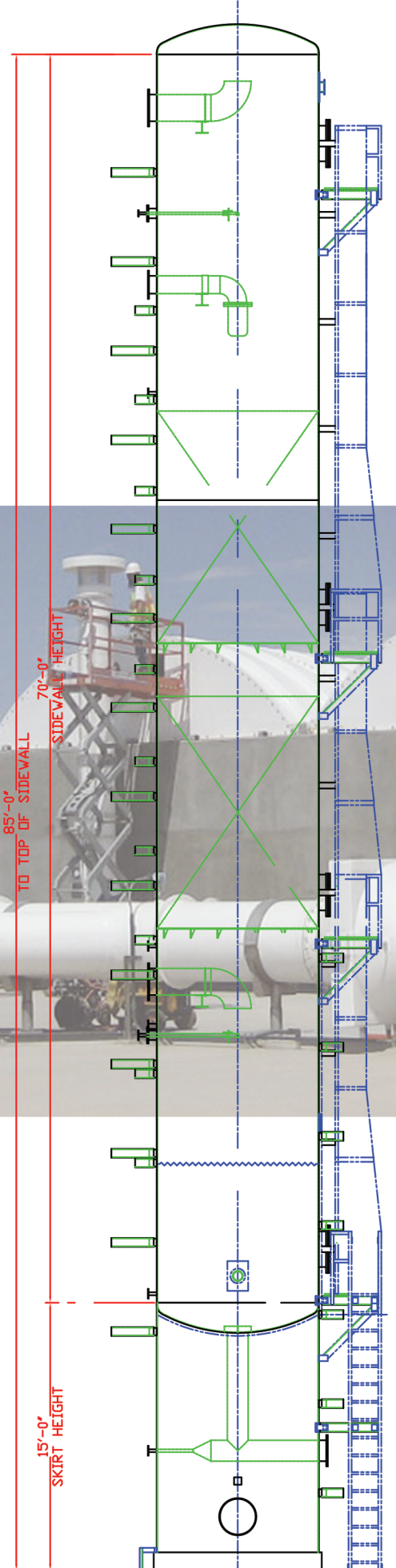
## Product Offerings

- Single Wall Storage Tanks
- Double Wall Storage Tanks
- Reactors / Mix Tanks / Process Vessels
- Columns / Stacks
- Odor Control
- Shop built tanks up to 15' in diameter
- Field assembled or barge shipped tanks up to 35' in diameter



## Design Offerings

- Each custom vessel has corrosion liner thicknesses, nozzle layouts, appurtenances, and structure designed specifically for your project
- Designs from full vacuum to 15 psig
- Specialty Resins (high temperatures, fire retardants, abrasion resistance, etc.)
- Many head shapes and sizes (Cone Bottom, Dish Bottom, Flat Bottom, Slope Bottom)
- Skirt and leg supports
- Media beds and liquid distributors
- Factory installed insulation with heat trace systems
- Proprietary double-walled design
- Agitator bridge supports with internal baffles



**ELEVATION VIEW**  
(TRUE ORIENTATION IN PLAN VIEW ONLY)



## Fiberglass Pipe for Aggressive Industrial Chemical Service

Since its start in 1982, Fibrex has grown to become one of the world's leading manufacturers of FRP pipe and duct solutions for the chlor-alkali, semiconductor, power, pulp & paper, chemical and metals refining industries.

Fibrex products, like the IntegraHeader™, "seamless" header system, have earned a global reputation for quality, reliability and continuous performance under the harshest industrial environments.

And because Fibrex understands the industries it serves, Fibrex products are designed to meet the most demanding and specialized conditions at each site. Fibrex delivers long-term corrosion solutions and maximum product life.  
[www.fibrex.com](http://www.fibrex.com)

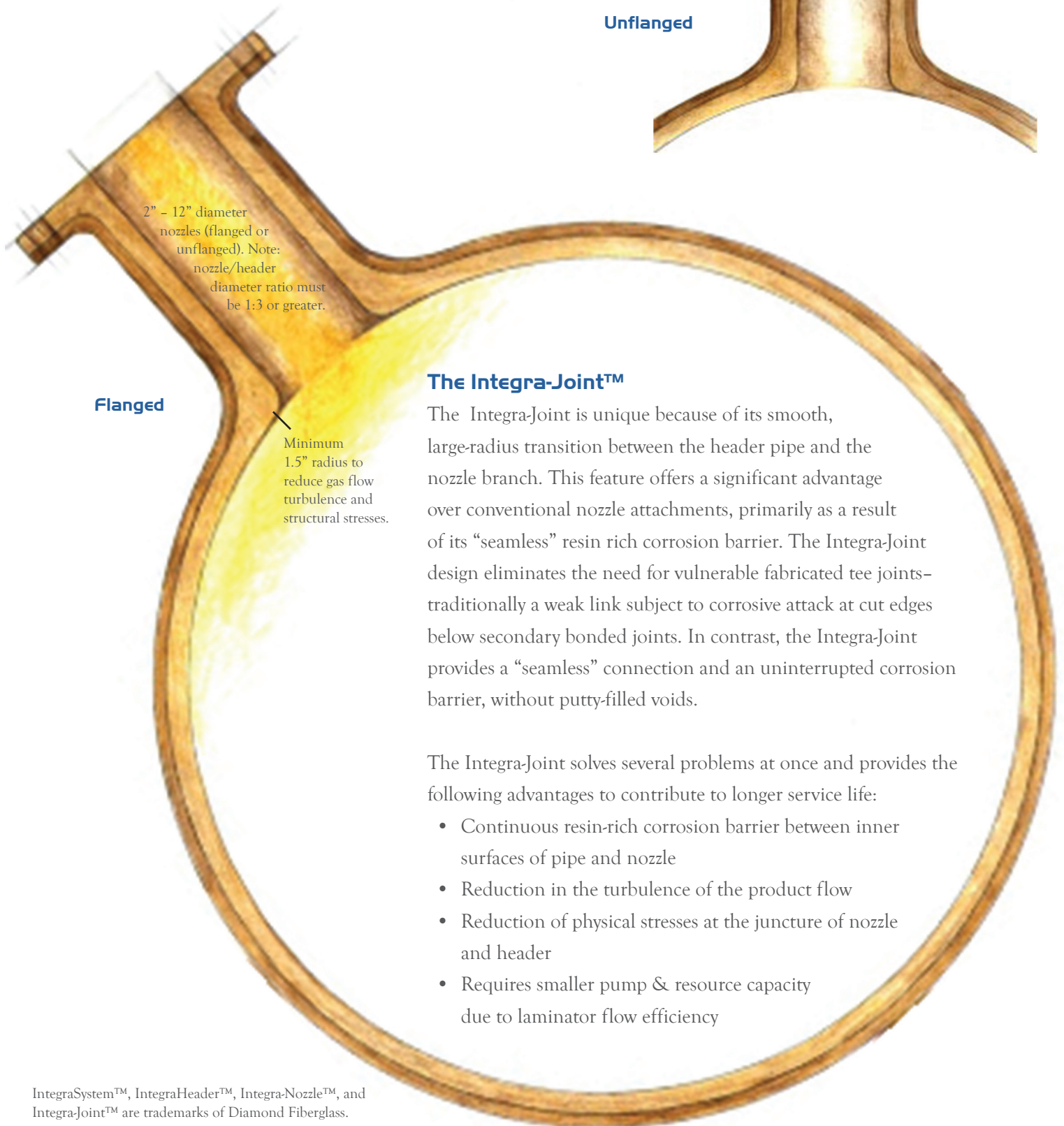


## Why Fibrex Fiberglass Pipe

- Manufactured to demanding customer specifications or Fibrex can provide designs & specifications
- Factory prefabricated pipe spools up to 40' in length to reduce field connections to save time and costs
- In-field support to get your project off the ground by hand and laser scanning for 3-D modeling
- Production capacity for large-scale enterprises
- Clear reliable 2-D drawings and drafting
- The Integra-Joint™



## The Fibrex Advantage...



Unflanged

Flanged

2" - 12" diameter nozzles (flanged or unflanged). Note: nozzle/header diameter ratio must be 1:3 or greater.

Minimum 1.5" radius to reduce gas flow turbulence and structural stresses.

### The Integra-Joint™

The Integra-Joint is unique because of its smooth, large-radius transition between the header pipe and the nozzle branch. This feature offers a significant advantage over conventional nozzle attachments, primarily as a result of its “seamless” resin rich corrosion barrier. The Integra-Joint design eliminates the need for vulnerable fabricated tee joints—traditionally a weak link subject to corrosive attack at cut edges below secondary bonded joints. In contrast, the Integra-Joint provides a “seamless” connection and an uninterrupted corrosion barrier, without putty-filled voids.

The Integra-Joint solves several problems at once and provides the following advantages to contribute to longer service life:

- Continuous resin-rich corrosion barrier between inner surfaces of pipe and nozzle
- Reduction in the turbulence of the product flow
- Reduction of physical stresses at the juncture of nozzle and header
- Requires smaller pump & resource capacity due to laminator flow efficiency



# DIAMOND SERVICES

ASME RTP-I QUALIFIED LAMINATORS

## Turnkey Field Solutions

- Tank Rehabilitation, Repair, and Replacement
- Pipe Installation and Repair
- Tank & Pipe Inspections
- 24/7 Turnaround/Outage Support
- Coatings and Linings
- FRP Structural Add-ons

## About Diamond Services

- Proactive safety culture
- Hands-on management team
- Knowledgeable, backed by the engineering resources of Diamond Fiberglass
- Certified training programs specific for FRP field work
- All technicians are certified laminators and secondary bonders
- Fast response
- National reach
- QA/QC deliverables for every job, no matter how small or simple
- Solutions with the lowest time and cost impact to your site



## Testimonials:

“Just dropping a note to express how pleased I am with the craftsmanship of Diamond’s team. Their work has since generated another request and will undoubtedly lead to more jobs across our region. I want to personally thank all of you for the promptness of the construction and attention to the needs on site. I look forward to many more encounters with the staff at Diamond Services and will refer any request for fiberglass work directly to you guys.”

“Thank you again for your help this weekend making repairs to the drying tower inlet piping. The plant started up with no problems and Diamond Services played a key part in making that happen.”

“The work Diamond Services did was great! Everyone was impressed. The consensus on the tank is that it is much more substantial than the one it replaced. We appreciate your efforts!”

“I wanted to thank you for the work your guys did here on site. The men you sent here represented Diamond Services in a very professional manner. They understood the urgency and importance of completing their task and did so without ever sacrificing safety and quality along the way.”







### **TANK INSTALLATIONS**

Diamond Services provides tank erection and field assembly of large diameter storage tanks.



### **PIPE INSTALLATIONS**

From demolition & startup to tightening the last bolt, Diamond Services can get your project off the ground.



### **COATINGS & LINER APPLICATIONS**

NACE certified personnel, overseeing specially designed linings and coatings for industrial corrosion solutions such as steel tanks, concrete containments & storage pits.



### **TURNAROUND SERVICES**

Experienced in supporting time critical, safety-focused plant shutdowns.



Sulfur recovery from biogas via liquid scrubbing, included 12' diameter x 36' sidewall, skirt supported cone bottom oxidizers, 3' diameter x 13' SSH x 14' absorber vessel and two 3' diameter x 11' SSH, dish bottom knock out pots.



7,000 gallon Sodium Chlorite tanks for water treatment, 10' diameter x 12' sidewall. Furnished complete with FRP ladders and handrails.



Fibreglass chemical pipe fabricated to EPC Engineering specifications and shipped to Petroquímica de Venezuela S.A. (Pequiven) in Venezuela.



H<sub>2</sub>S removal via liquid phase stripping, 9' diameter x 87' OAH, skirt supported, dish bottom vessel. Furnished complete with FRP ladder system and four 90° - 180° vessel supported platforms.



30,000 gallon food grade liquid storage tanks, 12' diameter x 36' sidewall height.

# Diamond Companies Product Overview



## Shop Built Storage Tanks

- Shop Completed to 15' Diameter
- Field Assembled to 35' Diameter
- On-site Fabrication
- Water & Wastewater
- Chemical Storage
- RTP-1 Stamping Available



## Field Services

- Tank Repairs & Install
- Piping Repair & Install
- Linings & Coatings for FRP, Concrete and Steel
- FRP Inspections
- Installation of FRP Structures
- Dedicated Crews, Trucks & Equipment Ready to Go Anywhere



## Composite Structures

- FRP Ladders, Stairs & Handrails
- FRP Platforms
- FRP Weirs, Scum Baffles, Launder Covers
- FRP Baffle Walls
- Chemical Pump Housings, FRP Hatches, FRP Cabinets



## Process Vessels

- Gas Scrubbers
- Absorbers / Adsorbers
- Mix Tanks
- Process Vessels
- Grease Filters / Mist Eliminators
- Vessel Design by Diamond, Process Design by Customer



## Fibrex Piping Systems

- Pressure Pipe
- Low Pressure Ductwork
- Header Pipes
- Proprietary Integra-Joints™
- Spooled Pressure Pipe to 40'



## Specialized Delivery

- Specially built trailers for transporting tanks
- Trailers and tractors owned by Diamond

