

FIBERGLASS TANKS

Spunstrand®
FRP TANKS

Greater Service With Less Maintenance Than Steel Tanks



FRP TANKS: Round Vertical, Horizontal, Custom Shapes and Configurations for Above Ground Applications

Fiberglass Reinforced Plastic (FRP) Tanks For a Wide Range of Applications

CHEMICAL STORAGE

- Semi-Conductor Industry, Wastewater Treatment, Water Treatment, Plating, Oil Fields, Aerospace, Food Processing, Leachate Tanks, Fertilizer, Bulk Paint Base Material Tanks, etc.

WATER STORAGE

- Fire Water Cisterns, Potable Water Storage, Chiller Water Storage, etc.

CHEMICAL VATS

- Specialty Plating Operations

FIBERGLASS TANKS

Features and Benefits:

- Corrosion / Rust Proof
- Designed and Built For Your Specific Needs & Site Conditions
- Light Weight & Easy to Install
- Economical Alternative to Corrosion Resistant Metallic Tanks
- Extended Service Life Over Other "Cheaper" Materials

All Sorts of Custom Sizes and Shapes Available!

- FRP Tanks Up to 14' Diameter
- Filament Wound, or Contact Molded Rectangular Tanks
- Horizontal or Vertical Orientation
- Single or Double Wall with Factory Pre-Insulated Optional
- Flanges for All Pressure Classes and Sizes
- Threaded Nozzles and Drains
- Per ASTM Specifications With RTP-1 Visual Inspection
- Custom Spec & Stamped Structural Calculations Available

Quality Control Statement:

Manufacturing and Quality Control dictate each step of the fabrication process at Spunstrand Inc. From the initial design through fabrication and shipping, concern for and conformance to the customer's requirements and specifications is insured. All raw materials used are evaluated to meet the most stringent quality standards set by Spunstrand. Frequent physical inspections and measurements taken during fabrication assure the accuracy of laminate thickness, dimensions and cure. Constant visual checks, including RTP-1 visual inspection criteria, is completed by our skilled staff to insure that the design criterion is met.



14' Diameter Vertical
Chemical Storage Tanks



10' Diameter Horizontal
Chemical Storage Tanks



10' Diameter Vertical
Chemical Storage Tanks

TANK ACCESSORIES and OPTIONS

TANK TOPS:

- Flat or Domed Covers
- Open Top with Rim Flange
- Integral and Removable

TANK BOTTOMS:

- Flat, Conical or Dished
- Steel Legs or Fiberglass Skirted

NOZZLES (FRP or PVC):

- NPT 1/2" to 8"
- Flanges 1/2" to 24"
- Conical or Blade Gussets Available

MANWAYS:

- 24" to 48" Top or Side Mount
- Stainless Bolts Available
- Various Corrosion Resistant Gasket Materials Available
- Rectangular Available

TIE DOWNS:

- Steel, Stainless or Fiberglass Seismic Rated to Zone 5

MIXER MOUNTS:

- Flange Mounted
- Manway Mounted
- Beam Mounted

ADDITIONAL ITEMS:

- Integral Mounted Ladders, Epoxy Coated Steel or Fiberglass
- Sight Tubes and Strips
- Dip Tubes
- Vents
- Lift Lugs
- Stilling Wells
- Vortex Plates
- Decant Arms
- National Sanitation Foundation Steam Cure
- FDA Approved Resins

CYLINDRICAL TANK SIZES:

Diameter	Gals. / Foot
18"	13
24"	24
30"	37
32"	42
36"	53
42"	72
48"	94
60"	147
72"	211
84"	288
8'	376
9'	475
10'	587
12'	846
14'	1151

*Tanks Conform to ASTM
D3299 - 88 Filament - Wound,
Glass - Fiber - Reinforced,
Thermoset Resin,
Chemical - Resistant Tanks.*

Spunstrand®
FRP TANKS



3' Water Filtration Tanks

SPUNSTRAND[®] INC.



Underslab Spunstrand[®] Inc. Duct

Since 1959 Spunstrand[®] Inc. has been manufacturing underslab HVAC ductwork in both FSK and pre-insulated designs for underground applications. Spunstrand[®] Inc. duct is manufactured using the filament wound method to provide the greatest strength for direct burial applications. A foil scrim kraft, or FSK, inner surface liner provides a UL class I rating for this product when used in underslab applications. It is available in standard round sizes 2" diameter through 96" diameter. Rectangular duct and FRP boots are options, through they require special consideration in underground applications. Spunstrand Inc. customers also have the choice of factory pre-insulated duct with standard values R-5 and R-10, or greater.

Industrial & Municipal Fume Exhaust Air Duct

Spunstrand[®] Inc. filament wound industrial products are manufactured using standard guide specifications based on the National Bureau of Standard PS 15-69, SMACNA Thermoset FRP Duct Manual, and the RTP-1 applicable standards. They are also manufactured to ASME, ASTM, ANSI, Military specs, or for your custom application.

Zero Leak & Balancing Dampers

Spunstrand[®] Inc. manufactures both Zero-Leak (ZL) and Balancing Dampers (BA) for the corrosive fume handling industry for a variety of environments and applications. These dampers can be used to regulate air-flow, or isolate a particular part of a system. They are constructed of FRP providing a durable corrosion resistant product for numerous applications.

Carbon Scrubbers (Vertical & Horizontal Bed)

After decades of manufacturing standard horizontal bed scrubbers, Spunstrand[®] Inc. pioneered a complete line of FRP vertical bed scrubbers. These scrubbers eliminate the need for crawling into a hazardous space to service carbon beds. In addition, the vertical bed design provides the lowest visual profile and greatest design flexibility in the carbon scrubber industry. Designs include a four bed single pass unit sized for 40,000 CFM. Standard horizontal bed designs are available.

Grease / Mist Eliminators

Horizontal airflow FRP Grease / Mist Eliminators are made to handle 99% removal efficiency for moisture and 80% removal efficiency for grease. Both filter medias are removable for on-the-spot cleaning.

FRP Chemical Storage Tanks

Chemical FRP Storage Tanks are filament wound and manufactured to ASTM & ASME specifications. They are available in sizes 2' diameter - 14' diameter.

Silencers

Fibersonic Silencers[®] are made of fiberglass reinforced polyester and can be used where corrosive air prevents the use of standard metal silencers. Available in sizes up to 72" ID and 144" in length. Tested in accordance with ASTM E-477.

Mine & Tunnel Ventilation Duct

In 1960, our company built the first filament winding machine to produce FRP mine ventilation duct, and started an entirely new industry. These first non-metallic ducts were a big improvement over the heavier and conductive metal ducts. Our mine and tunnel ventilation ducts maintain a MSHA approval as a Class 1 rated duct system, and have been used in mining and tunneling applications now for 54 years. Spunstrand Inc. has a variety of duct configurations available to suit the needs of most any situation our customers may encounter.

MAKING YOUR PROJECT OUR PRIORITY SINCE 1959!

620 North Post Street • Post Falls, ID 83854 • 208.777.7444 ph 208.777.7445 fax • www.spunstrand.com