# TECHNICAL DATA SHEET

## PRODUCT DESCRIPTION

- Fiberglass underground storage tanks for non-potable water.

## APPLICATION

- Underground storage or treatment for non-potable water or wastewater.

## MANUFACTURING STANDARDS

- ***ANSI / AWWA - D120*** (Thermosetting Fiberglass-Reinforced Plastic Tanks).
- ***CSA B66-10*** (Prefab retention tanks).
- ***AASTHO HS20*** (Highway load traffic).

## RAW MATERIAL

- Matrix of premium resins.
- Fiberglass treated with silane to improve chemical resistance.

## DESIGN

- Single wall or double-wall
- Horizontal.
- All tanks are custom made to customer specification and design.

## DIMENSIONS

- 6 ', 8', 10 ' de diameter.
- Up to 74’ long.
- 2 000 gallons  up to 40 000 gallons.
- Multi-tank installation for larger capacity.

## MECHANICAL PROPERTIES

- Operations at atmospheric pressure only.
- Liquid temperature must be specified by owner.
- External hydrostatic pressure: Buried in the ground with 7’ of over burden over the top of the tank, the hole fully flooded and a safety factor of 5:1 against general buckling.
- Surface loads: When installed according to the manufacturer’s installation instructions, tanks will withstand surface HS-20 axle loads (32,000 lbs/axle).
- Internal load: Tank withstand 5 psig air pressure tests with 5:1 safety factor.

## ACCESSORIES

- **Inlet/outlet**
  - 1/2 "up to 24": Pipe, thread or flanged.
- **Vent**
  - 4 " up to 8": PVC, Stainless Steel or Aluminum.
- **Manway**
  - 24”, 30", 36" and 48" diameter.
- **Lids**
  - FRP, aluminum, Stainless Steel or cast iron.
- **Extensions (option)**
  - FRP or HDPE up to 7’.
  - All extensions will be furnished complete with gaskets and bolts.
- **Anchors kit**
  - Fiberglass reinforced plastic anchor straps. The quantity of anchor kits supplied by manufacturer to be determine upon final design.

• Turnbuckle.made of galvanized steel.

• Angular concrete blocks with reinforcement and galvanized steel hooks.

- **Other accessories**

  • Tanks are designed to support equipment such as submersible pumps, ladders, drop/fill tubes, etc. when installed according to the manufacturer's recommendations and limitations.

  • Ladders must be supplied by the manufacturer.

  • Other accessories can be provided by the owner or contractor and installed or not by the manufacturer.

**TEST AND INSTALLATION**

- Factory hydrostatic test for tank under 6000 gallons.
- Factory aerostatic test for tank over 6000 gallons.
- Please refer to Granby Composites installation guide.

**LIMITED WARRANTY**

- 12 months after delivery.