

Fiberglass Wetwells

Experience

Let us put our experience to work for you. LFM has been building quality fiberglass reinforced manholes and wetwells since 1982. We utilize the latest in chop and filament winding equipment, providing our customers with the highest quality fiberglass products on the market today. Our production facility is located on 35 acres near Giddings, Texas and covers 83,000 ft².

Quality Built Right In

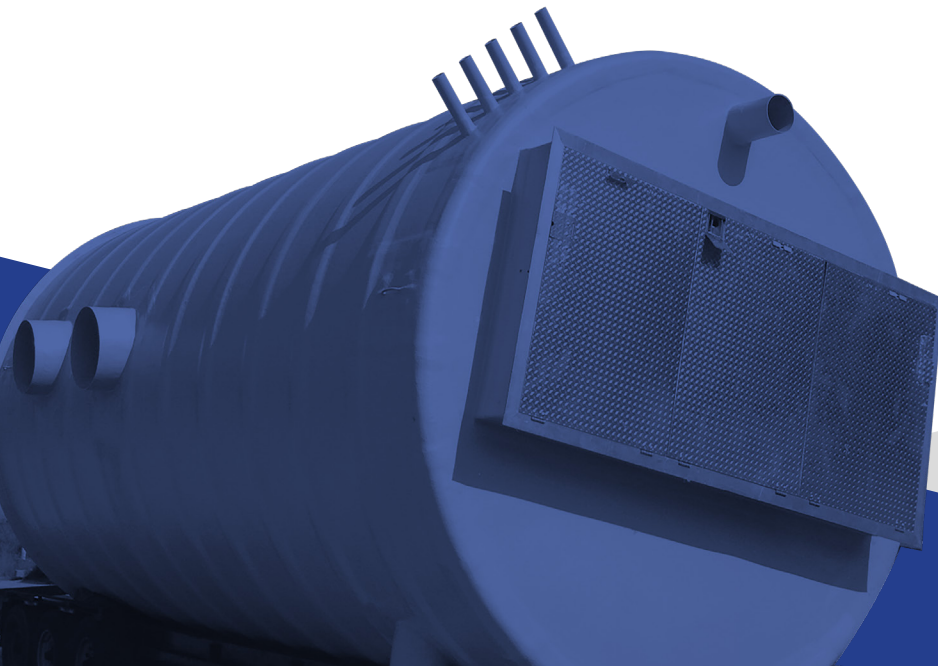
LFM incorporates a comprehensive in-plant testing program. Our quality control enables us to provide our customers with consistent workmanship in every fiberglass wetwell that we build. We inspect and test each fiberglass wetwell before it is released for shipping. Wall thickness reports, raw material analysis, and continuous chemical analysis reports are just some of the test procedures that we perform. Testing reports are recorded and maintained at our office, and are available upon request.

■ Economical

Fiberglass wetwells by LFM are an economical value. Our fiberglass wetwells have a longer service life than concrete wetwells. As a result, the cost of repairs, disruptive excavations and maintenance is minimized; saving you money over the long run. They are also light-weight, making them easier to handle. This means easier, safer, faster and less costly installations.

■ Corrosion Resistant

Our wetwells are corrosion resistant to wastewater gases such as hydrogen sulfide. Over a short period of time, concrete wetwells can start to leak or decay. Fiberglass wetwells by LFM can withstand years of exposure to the most severe conditions within a wastewater system.



LFM
Fiberglass Structures

■ Professional Delivery

LFM maintains its own fleet of delivery trucks; helping to lower delivery costs considerably. Our fiberglass wetwells are light-weight and can be more easily loaded and unloaded on construction job sites than conventional concrete wetwells. Our delivery personnel see to it that our products are shipped on time and safely to their destination.

■ Quality Assurance

At LFM, we stand behind the products we build. Our fiberglass wetwells carry a one-year warranty. Speak to your LFM sales representative for complete details.

■ ASTM Certified

Our fiberglass wetwells are built to meet the rigid requirements of ASTM Specification D3753. LFM strives to supply its customers with the highest quality fiberglass wetwells available on the market today by meeting and exceeding all applicable ASTM requirements.

■ Available Diameters

LFM builds fiberglass manholes to your specified dimensions with standard diameters from 36 inches through 15 & 1/2 feet. Depths are available from 2 feet through 40 feet. Greater depths can be custom fabricated. Ask your LFM sales representative for details. We manufacture several different wall thicknesses for different load, depth and diameter specifications. LFM also incorporates a ribbed wall system into wetwells requiring added strength. Reinforced FRP tops and bottoms are also available. Contact your LFM sales representative to find out which dimensions best suit your needs.

■ Connections

LFM can build fiberglass wetwells to fit your specific requirements complete with pipe stub outs already in place, making installation easier and less time

consuming. We also offer alternative methods for connecting pipe to our fiberglass wetwells such as Kor-N-Seal™ boots, as well as connectors from other manufacturers.

■ Installation

Prepare the excavation in a normal manner. Measure and cut holes for any existing pipes. Next, pour the concrete base and insert the wetwell into the wet concrete. Use the provided lifting lugs to lift the wetwell. After the wetwell has been leveled and set to proper grade, pour concrete over the anti-flotation flange. Finally, backfill to engineer's specifications using moderately compacted sand or crushed stone. The backfill should be added evenly in one foot lifts. Note: always observe all safety rules and regulations when installing fiberglass wetwells.

Summary of Test Results

Tests Performed	Average Results
Stiffness	5% Deflection @ 2.45 lbs. / in ² 10% Deflection @ 2.28 lbs. / in ²
Material Composition	54.25 wt. % Resin
Compressive Strength	Transverse: 22,7000 psi Longitudinal: 10,500 psi
Flexural Strength	Transverse: 56,000 psi Longitudinal: 11,700 psi
Modulus	Transverse: 2,084,000 psi Longitudinal: 1,114,000 psi
Load Rating	24,000 lbs. - 0.157" Deflection 40,000 lbs. - No Damage
Barcol Hardness	Cylinder: 43.1 Reducer: 41.0
Wall Thickness	Cylinder: 0.308
Soundness	No Leaks Detected at 5 psi Air Pressure