Fuel Storage Tanks Combine Safety and Security

by Steve Rechardson

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At places such as gasoline stations, airports, municipal buildings and transportation facilities, the use of zero-defect fuel tanks is of utmost importance. The professional storage and handling of hazardous, flammable and combustible fluids cannot be compromised under any circumstance. One of the safest methods of fuel storage is to use petroleum storage tanks that are made from fiberglass or steel.

Ensuring safety at these places is an everyday process; hence one needs to depend on long-term solutions that are also low on maintenance. Luckily, there are certain storage tank manufacturers that offer impeccable solutions for such requirements. A tank meant for storing fuel needs to adhere to the most stringent safety requirements and global standards. A lot of time and attention needs to be invested in each storage tankâ€"be it a steel tank or a fiberglass tank.

With every passing year, the liabilities related to fuel and chemical leakages are getting stricter. This has stirred companies to seek out more and more sustainable solutions that are accident-proof. The key to a safe fuel storage solution lies in the manufacturing process of a tank. There are certain companies that use the best materials and use multiple walls to achieve added protection for the contents of the tanks. It is prudent to choose a company that has been in existence for several decades and has extensive experience tank installations. Such companies also often offer solutions for storage of oils, wastewater, water and biofuels, apart from just fuel. These solutions are required in several industries such as public municipalities or where petroleum-based fluids are widely stored and utilized.

While steel tanks have been rather popular traditionally, fiberglass tanks are also increasingly preferred because they are light weight, corrosion free and sturdy. Following are a few types of fiberglass tanks that you can expect from leading tank manufacturers:

â€¢Single wall tanks: It offers basic protection even though it lacks advanced protection features such as hydrostatic monitoring. However, it comes with several accessories such as tank sumps, bulkheads and deadmen anchoring systems.

â€¢Double wall tanks: It is suitable for fuel storage tank owners, municipalities, counties and states. The primary tank is meant for primary storage and the secondary tank offers added protection in the rare event that a leak occurs.

â€¢Triple wall tanks: This is most suitable for environmentally sensitive areas where tertiary containment is the need. They provide storage that is at par or better than a steel tank.

In addition to this, you could also choose from steel tanks. These tanks are primarily preferred for their sturdiness and durability. They are suitable for aboveground fuel storage and also for storing bio-fuels.

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I have many years of experience in manufacturing industry. I like to share my knowledge related to a fuel storage and a steel tank which is the best for the safe storage of petroleum & other combustible materials. If you are looking for such type of storage tanks you shouldn't start your search before you have a quick peak over here.

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