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"Dedicated to being the trusted supplier of Bolted, Stainless Steel Storage Tanks"

# **Benefits of using a stainless steel tank**

Although there are different types of storage tanks available in the market but a great majority of people prefer using stainless steel tanks for various applications. The single most reason behind their intense usage is their superb durability that makes them superior over other options. Not only homely use but various industries make great use of stainless steel tanks for storing food, chemicals, water, grains, and even fuel. They are light-weight and need less maintenance which makes it easier for a business owner in terms of low cost.

No matter what you're going to store, the most important thing is to select the right kind of storage option and this selection required time and mind both. A wrong selection might lead to you to product wastage and huge loss. Different types of storage tanks are available such as wooden tanks, plastic tanks, fiber tanks, cemented tanks and many other varieties. Each tank has its own advantages and drawbacks for different tasks. This can vary from performance to longevity to cost, but deciding the type of tank that best matches your requirement needs a balance of both advantages and disadvantages on the side of the buyer.

A stainless steel tank emerges out as the best choice among buyers as it features all the qualities needed by various industries. For example, you can be rest assured about the safety of your food by placing them in a stainless steel tank. Similarly these tanks can also be used in storing liquids and other watery substances. Stainless steel tanks offer a relatively low cost maintenance option for the food processing industry. It is absolutely true, no type of steel will stand out indefinitely against rough materials, but stainless steel tanks will last longer than a typical tank if this is something that the user has experienced.

Second thing about a stainless steel tank is that it is favorable to nature which means it is completely recyclable. You can easily sell it to scrap metal dealers who can easily make it for recycling. Many people don't know about the different varieties of stainless steel. Contrary of bring a single product; it is better defined as a category of steel that holds a number of different varieties. There are basically three types of stainless steel – austenitic, ferritic, and martensitic. The main difference lies in their microstructures. Before buying a stainless steel tank, it is important to fully understand the theory of steel.

Sourse: By David Lee http://www.selfgrowth.com/articles/benefits-of-using-a-stainless-steel-tank

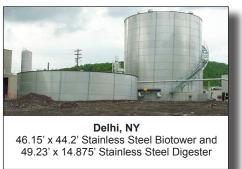
#### What is Anaerobic Digestion?

Anaerobic digestion is a collection of processes by which microorganisms break down biodegradable material in the absence of oxygen. The process is used for industrial or domestic purposes to manage waste and/or to produce fuels. Much of the fermentation used industrially to produce food and drink products, as well as home fermentation, uses anaerobic digestion.

Anaerobic digestion occurs naturally in some soils and in lake and oceanic basin sediments, where it is usually referred to as "anaerobic activity". This is the source of marsh gas methane as discovered by Volta in 1776.

The digestion process begins with bacterial hydrolysis of the input

materials. Insoluble organic polymers, such as carbohydrates, are broken down to soluble derivatives that become available for other bacteria. Acidogenic bacteria then convert the sugars and amino acids into carbon



dioxide, hydrogen, ammonia, and organic acids. These bacteria convert these resulting organic acids into acetic acid, along with additional ammonia, hydrogen, and carbon dioxide. Finally, methanogens convert these products to methane and carbon dioxide. The methanogenic archaea populations play an indispensable role in anaerobic wastewater treatments.

It is used as part of the process to treat biodegradable waste and sewage sludge. As part of an integrated waste management system, anaerobic digestion reduces the emission of landfill gas into the atmosphere. Anaerobic digesters can also be fed with purpose-grown energy crops, such as maize.

Anaerobic digestion is widely used as a source of renewable energy. The process produces a biogas, consisting of methane, carbon dioxide and traces of other 'contaminant' gases. This biogas can be used directly as fuel, in combined heat and power gas engines or upgraded to natural gas-quality biomethane. The nutrient-rich digestate also produced can be used as fertilizer.

With the re-use of waste as a resource and new technological approaches which have lowered capital costs, anaerobic digestion has in recent years received increased attention among governments in a number of countries, among these the United Kingdom, Germany, and Denmark.

Source: https://en.wikipedia.org/wiki/Anaerobic\_digestion



### **Frequent Metal Recycling Questions**

#### What types of metal are considered scrap?

The most common metals accepted by scrap yards include copper, steel, aluminum, brass, iron and wires. But your local scrap yard may accept additional metals for recycling and give you cash payouts for your scrap metals. Call a few scrap yards in your area ahead of time for a list of scrap metals they accept for recycling or jump to the recycling locator to find a location now.

#### How can I tell what type of metal I have?

The easiest way to determine what type of metal you're dealing with is to use a magnet. If the magnet sticks to your metal, you have a ferrous metal in your hands, such as steel or iron. Most ferrous metals are not worth much money at scrap yards, but the scrap yard will still accept it and make sure it is recycled properly.

If the magnet doesn't stick, you have a non-ferrous metal, such as copper, aluminum, brass, stainless steel or bronze. These metals are very valuable to recycle and are worth more money at scrap yards.

From there, you can use color, texture and other visual aids to figure out exactly what type of metal you're dealing with.

#### What metals can I resell?

Non-ferrous metals, such as copper, aluminum, brass, stainless steel and bronze, are worth more money at scrap yards. Ferrous metals, like steel and iron, are not as valuable, but scrap yards will still accept these metals for recycling.

#### How can I find out how much different metals are worth?

This basic guide will give you a general estimate of how much each type of metal is worth at a scrap yard. But the best way to determine the payout you'll receive in your area is to call each scrap yard individually ahead of time. Cash payouts may differ slightly from yard to yard, so you may want to "shop around" a bit for the best price.

#### Do I have to have a lot of metal to take it to a scrap yard?

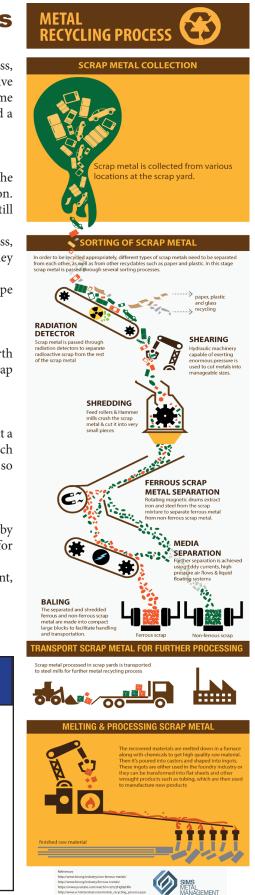
Scrap yards will accept any quantity of metal for recycling, but your payout is determined by weight. If you bring only a few pieces of metal to the scrap yard, they will still recycle it for you, but you'll likely receive little or no payout for your metals.

If you're looking for more cash, try storing metals until you've stockpiled a decent amount, or head to the scrap yard with friends and neighbors for a larger payout for all.

Sources: http://www.earth911.com/recycling-guide/how-to-recycle-metal/#sthash.xX9wbg4j.dpuf http://www.earth911.com/recycling-guide/how-to-recycle-metal/

## SUMMER WATER TIP

Set up a rain barrel under a gutter outside your house. On average, you can catch 4 gallons of water a day (more in really rainy areas) to use for watering the lawn, washing the car, etc. Just don't drink it, and make sure to keep it covered with a fine-mesh screen so it doesn't breed mosquitoes. Check your local municipal regulations to see if a rain barrel is allowed. Source: http://www.gracelinks.org/441/water-saving-tips-outdoors



## T3: Tanks, Tips and Trends...