



**Tarsco Bolted Tank<sup>®</sup>**  
a TF Warren Company

**FULL SERVICE PROVIDER OF LIQUID AND DRY BOLTED STORAGE TANK SYSTEMS**

## Anaerobic Digesters

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

## Design Requirements

Tarsco Bolted Tank has met the design requirements of different anaerobic digestion process designers and equipment manufacturers. Our tanks have been utilized in anaerobic applications requiring pressures from 5 inches of water column to as high as 20 inches of water column for systems operating in the mesophilic or thermophilic configuration.

In order to meet the design requirements of various process designers, Tarsco Bolted Tank has custom designed our tanks whether it be to mount mixers in the sidewall or roof, as well as providing fixed or membrane style roofs. The design may require the ability to mount various different parts of the process to the tank wall. Systems can vary in diameter from 9 to 100 feet in diameter and 5 to 110 feet in height. Tanks have been constructed with concrete, bolted, or welded floors.

## The Right Choice

Tarsco Bolted Tank is the right choice for anaerobic digesters based on:

- lower initial cost
- shorter delivery and erection time
- lower maintenance costs
- flexibility in design



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## Different Tank Systems for Every Need

Feedstock for an anaerobic digester can be from sources such as animal manure, food processing waste, industrial wastewater processes, as well as municipal wastewater treatment processes, virtually any source containing digestible organic waste.

To be able to handle the required pH levels as well as temperature and pressure, Tarsco Bolted Tank offers different styles of bolted tank systems. These can consist of epoxy coated carbon steel tanks, stainless steel tanks, or a combination of epoxy coated carbon steel and stainless.

### Insulating Digesters

Most anaerobic digesters need to be insulated so that the proper operating temperature can be maintained regardless of the outside temperature. To meet that requirement Tarsco Bolted Tank provides vertical or horizontal insulating systems manufactured for the specific tank on which it will be installed and variable thickness based on designers' requirements.

### One Source Solution

Many systems require pre and post treatment. Tarsco Bolted Tank can supply those tanks providing you with one source for all of your tank needs.



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