



A Highland Tank Fireguard® tank with aviation fueling module at airport.

[www.highlandtank.com](http://www.highlandtank.com)

### AVIATION FUELING SYSTEMS

Highland Tank designs and manufactures tanks for a wide variety of applications. Many of the markets we serve including law enforcement, military, emergency medical services, corporate aviation, general aviation, electrical utilities, and government agencies rely on aviation fueling systems for their operations. Aviation fueling is a challenging task due to many critical safety concerns.

One key element to storing and dispensing aviation fuel is filtration. Assuring that the fuel stored has no contaminants is critical for fueling all types of aircraft.

Water, sediment, or any other foreign substance in the fuel of an aircraft can result in extremely dangerous situations. Therefore, it is critical to work with experienced professionals. Highland Tank has a long history of providing modular aviation refueling systems to accompany our UL-142 and UL-2085 fuel storage tanks. Each refueling system module is engineered with rugged, field-proven components to provide years of trouble-free service. The flexible modular design provides a scalable aviation fueling system solution.

There are an array of aircraft and airport/airfield setups that create design challenges.

The refueling systems offered by Highland Tank have options to allow for over-wing and/or under-wing refueling as well as self-serve fueling. One design provides pump and filtration for offloading transport vehicles. There are additional modular designs that allow for direct-to-plane or remote dispenser fueling. Larger facilities typically require a module for loading refueling trucks.

Highland Tank provides modular designs with the pieces required to solve the aviation fueling system design puzzle. The modules also make future expansion much less complicated.



In today's world, there is great emphasis on security around airports. This not only impacts travelers, but it is also critical to fuel storage areas at international, regional, and even smaller municipal airports.

Our Fireguard® tanks are an optimal product for storing both Avgas and Jet A fuel. The double-wall, thermally protected tank features a three-inch interstitial space that is filled with a light-weight, cement-like insulation.

The insulation protects the inner tank in the event of a fire.

These tanks are UL-labeled and meet or exceed the UL-2085 requirements which include a two-hour full scale pool fire test, hose stream test, blast effect analysis, vehicle impact test, and they must allow for interstitial communication for any leak detection.

Contact Highland Tank to learn more about how we can help by providing high-quality tanks and modular aviation refueling systems for the aviation industry.

Call 814-893-5701, [or visit us on the web.](#)



Fueling cabinet for Jet A fuel.

