

Consult the factory for assembly options.

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AIRCRAFT HANGAR DRAINAGE TREATMENT SYSTEM

Highland Tank is proud to offer a comprehensive system for capturing and treating firefighting system discharges.

Oil/water separator installation at airports is a code requirement. National Fire Protection Association NFPA 409 Standard on Aircraft Hangars 2016 states that:

5.11.2.10 Oil separators shall be provided for the trench drainage systems serving all aircraft storage and servicing areas. These separators shall be permitted to serve each hangar trench drainage system or a group of hangar trench drainage systems or be installed as part of a general airport trench drainage system.

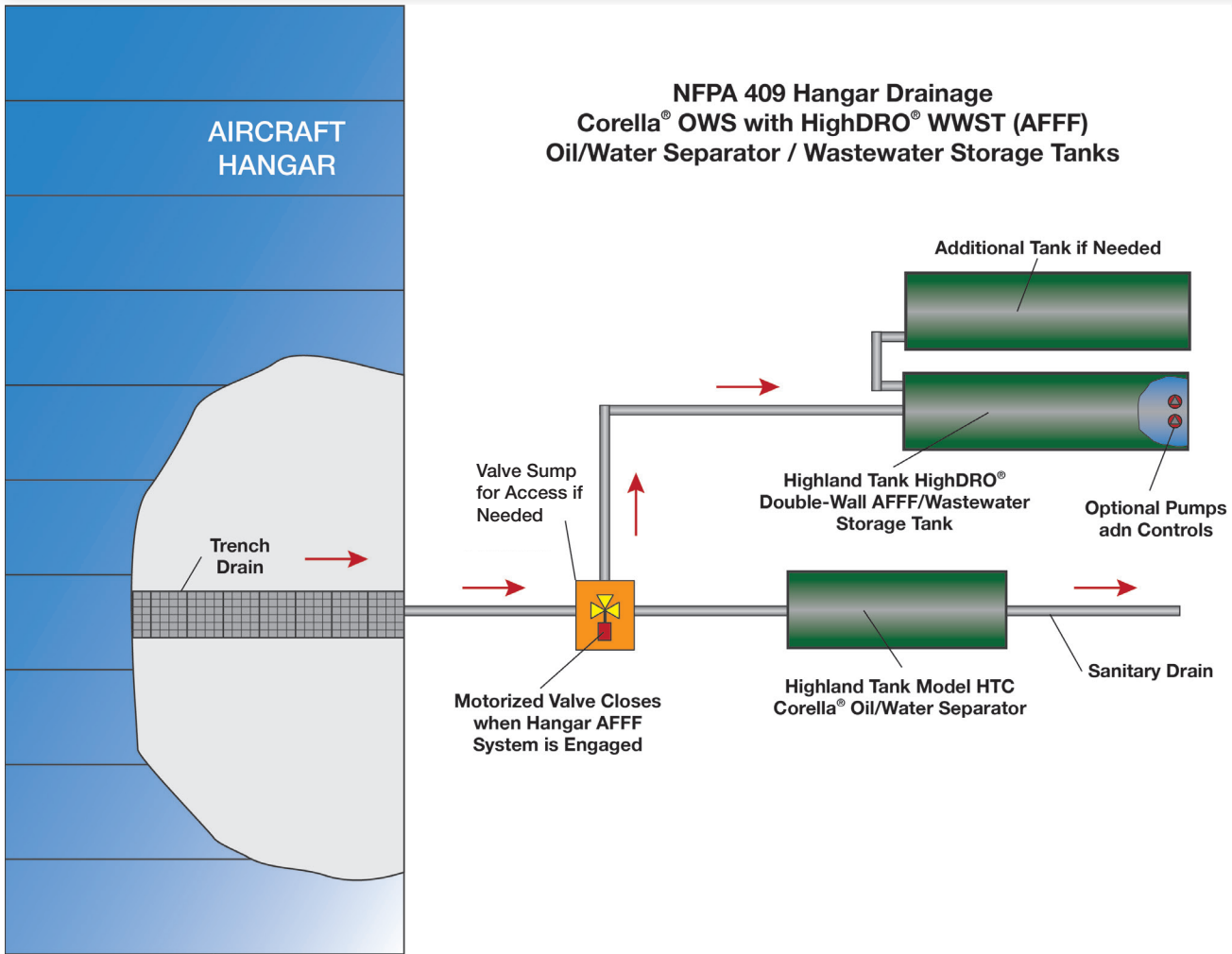
Aircraft hangars are often protected by a foam firefighting system. This type of protection is necessary to protect valuable and mission-essential aircraft and hangar facilities.

In large volumes, AFFF foam can be harmful to the environment. AFFF solution should not be allowed to flow untreated into the ecosystem or into the sewage systems in large quantities. The primary concern is discharge from unwanted activations and from periodic testing.

NFPA 409 addresses this concern:

5.11.2.11 In aircraft storage and servicing areas protected by water sprinkler systems or foam-water systems, a bypass shall be provided around the separator to allow for emergency direct disposal of water and flammable liquids. Separator systems shall discharge flammable liquid products to a tank, cistern, or sump located away from any exposures.

The foam can also adversely affect the oil/water separator by causing chemical emulsification of the oil and water. The solution is a by-pass sump and discharge valve installed in conjunction with the oil/water separator.



When the firefighting system is deployed, the valve will open the bypass, stopping flow to the oil/water separator and directing flow into wastewater storage tanks. The bypass line with an electronically actuated valve remains closed until the fire suppression system turns on. The tanks can then be pumped out or discharged at a controlled rate to the sanitary sewer, based on regulatory requirements.

Highland Tank can customize these systems to fit the application. For more information on tank sizes or valve sizes, please contact us.

Call 631-935-3116 today or visit us at www.highlandtank.com for more information on wastewater treatment systems.

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