

Model HFS

HeliCepter®

Fuel and Water Separator System Specially Designed for Heliport Safety

The ParkUSA HeliCepter® Fuel-Water Separator System is specifically designed for heliports, helipads, and landing areas for the diversion and containment of fire suppression foam and oils. Designed for everyday use as well as fuel spillage or crash events, the separator effectively isolates and retains flammable fuel and AFFF fire suppression foam from stormwater, ensuring maximum safety and environmental protection.

To support elevated heliports, our HeliCepter® Fuel-Water Separator System can tie into a rooftop or building stormwater drainage system. In addition to wastewater pretreatment, our Fuel-Water Separator also reduces potential fire hazard risks on site.

Applications

Heliports and helipads • Private and public aviation • Marine and offshore helideck

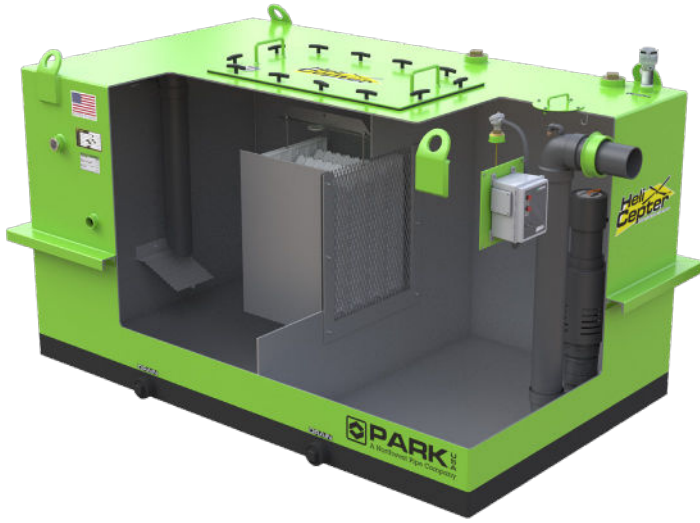


Advantages

- Compliant with UPC, IPC, NFPA, and environmental regulations
- Enhanced gravity separation technology for efficient fuel-water separation
- Fuel stop valve for spill control and safety during refueling
- Easy access cover with fall protection
- Compact design suitable for rooftop or aboveground installations as well as below helipad installation
- Remote maintenance high-level alarm
- Sizes ranging from 100 – 2,000 gallons for all helicopter and helipad applications



Model HFS Installed in
Underground Vault



How It Works

Heliport landing pad stormwater runoff usually contains fuel, oil, and sometimes fire suppression foam. The HeliCepter® Fuel-Water Separator intercepts fuel and hydrocarbons from the heliport drainage system and safely detains them for future removal.

As runoff flows from the landing pad into the separator's inlet chamber, any present fuel slugs rise immediately to the surface. The remaining fuel-laden wastewater flows through patented coalescing media that progressively separates remaining hydrocarbon droplets and fine solids. All the separated hydrocarbons rise to the upper area of the separator and are securely detained. Downstream, a patented fuel-stop valve prevents the release of harmful fuels from exiting the separator. Hazardous fumes are vented from the separator and safely away from the building and the public sewer.

The system automatically notifies the operator of high levels of hydrocarbon, which are removed by a qualified service company. An auxiliary storage tank can also be utilized to increase the storage capability of the separator system.

Full product catalog available at request.parkusa.com



System Components

Tank: Steel or precast concrete construction.

Access Covers: Entry point hatchways are made of stainless steel for maximum corrosion resistance. A retractable safety net is standard for maximum safety during maintenance.

Coalescing Media Pack: The CMP consists of closely spaced corrugated plates made of an oleophilic material.

Fuel Collection Area: This is the area where the fuel and hydrocarbons collect and hold until the interceptor is cleaned.

Fuel Stop Valve: Provides additional protection from fuel discharge due to maximum capacity or incidental fuel spill.

Fuel Skimmer: Optional skimmer device to transfer excessive fuel into an auxiliary holding tank.

Monitoring System: An automatic notification system comprises of a tank-mounted fuel-water interface sensor and a control panel that notifies the operator when the fuel level reaches maximum capacity.

Vent: Releases air pressure and prevents the buildup of harmful gases.

Sampling Port: Facilitates periodic testing of the wastewater for Total Petroleum Hydrocarbons content to ensure compliance with local regulations.

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