

## DRAFT

### Technical Safety Data Sheet

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**Equipment Name:** JP-5 Fuel Recycler

**Manufacturer:** Filterdyne Filtration Systems, Inc.

**Address**

1334 Greenville Rd.  
LaGrange, GA 30240

**Telephone Number:** (706) 884-3009

**Date Prepared:** December 18, 1997



**Equipment Description:** This equipment is used to purify JP-5 fuel pumped from aircraft fuel tanks. From a truck, the fuel is pumped through a multiple-stage filtration system to remove water, particulates and non-petroleum impurities before being deposited into a 1000 gallon process tank. If a greater degree of purity is required, the contents of the process tank can be cycled back through the filtration system multiple times. When the fuel passes purity testing, it goes through another filter before being sent to a 1000 gallon issue tank for reuse.

### Precautions for Safe Handling and Use:

Operator must be present when trucks are loading or unloading fuel, and when filtering fuel, to monitor progress and activate the emergency shutoff if necessary.

Check fluid levels in both tanks prior to pumping any fuel into the system to prevent overflow and spillage.

If no Fixed ladder and elevated walkover, set up a ladder to check the fluid level in the holding tanks, extend ladder 3 feet past the landing (point of exit). The ladder shall be placed at such a pitch that the horizontal distance from the top support to the foot of the

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ladder does not exceed  $\frac{1}{4}$  the vertical distance between these points. Secure ladder by top, bottom and intermediate locations as required to hold the ladder firmly in place.

Immediately clean up any MINOR fuel spills in the area during loading or unloading to reduce the risk of fire, explosion, skin irritation or chemical overexposure due to inhalation. Do NOT attempt to clean up major spills, call a HAZMAT team for this purpose.

Do not label the pump switches with magic marker.

Do not smoke, eat or drink in the equipment operating area.

Wear chemical resistant gloves and goggles while checking the fluid levels in the holding tanks.

Contact the manufacturer to obtain adequate information for safe installation and maintenance (especially lockout/tagout) of the equipment.

Shut off the electrical power before commencing any maintenance or repair work.

Use non-sparking tools and intrinsically safe electrical equipment when performing maintenance on this equipment.

Operate equipment in accordance with manufacturer's instructions (Special operating manual fuel reclaim system).

### Health Hazard Data

**Chemical Hazard:** Avoid inhaling or ingesting JP-5, or contact with the skin or eyes.

**Physical Hazard:** The holding tanks are not equipped with fluid level indicators. The operator has to climb on top of the tanks using portable ladder to check the fluid level.

**Biological Hazard:** None observed

**Ergonomic Hazard:** None observed

### Control Measures

**Respiratory Protection:** None

**Ventilation Requirements:** None

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**Eye Protection:** Wear chemical resistant goggles.

**Protective Gloves:** Wear chemical resistant gloves.

**Protective Clothing:** None

**Posting Requirements:** Post “PPE requirements”, “Flammable” and “No Smoking” signs in the operating area.

**Fall Hazard:** Fall protection required over 6 feet, using ladder or round tanks is not safe. A fixed ladder and elevated “walkover” w/handrails needs to be installed either by manufacturer or by using activity.