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## Operation and Maintenance - MI-HEL Fuel Spill Interceptor Series

### **Section 1: Replacement Parts:**

All replacement parts can be purchased through: Mifab Inc. 1321 W. 119<sup>th</sup> St. Chicago, IL 60643

1-800-465-2736

Part #

001: Sight Glass

002: Drain Valve

003: Access Cover Gasket

004: Inlet

005: Outlet

006: 4" Vents

007: Access Cover

008: Lifting Lug

009: Stainless Steel Bolts

### **Section 2: Manufacturer Installation & Operation Recommendations:**

**Design Considerations:** The MI-HEL fuel port interceptor is a gravity flow interceptor that provides protection from a sudden discharge of fuel into a storm or sanitary water system. The unit must be properly sized by determining the fuel tank capacity of the largest helicopter expected to use the facility, and the amount of water from rain or fire fighting equipment.

**Installation:** Connect the inlet directly to the heliport pad drain. Connect all internal and external vents, open the gate valve and fill with fresh water to static water level. Flush the line from the heliport drain to ensure the line is clear. The safety trench drain is manufactured by another firm, so it is suggested to acquire their specs on their product.

**Operation:** If a fuel spill should occur the fuel will enter the interceptor via the line from the safety trench drain (built by another firm) located on the fuel pad. On entering the interceptor the fuel will float to the top of the water. The sight glass will allow the fuel level to be observed without opening the interceptor. The fuel can then be removed by the **locally approved** method of disposal.

### **Section 3: Maintenance:**

All listed maintenance procedures are recommended by the manufacturer, anything done over and above is not discouraged.

Inspect regularly, every 1-3 months to ensure that the proper internal water level is maintained and to detect the presence of any fuel or any other matter.

When pulling off access cover inspect the gasket for cracks and/or degradation. If damaged order a replacement gasket from the manufacturer.

Should any fuel or other matter be present they should be removed.

Visually inspect all accessible parts, including gate valve, sight glass, and check that all vents are clear.

If the sight glass or drain valve have to be replaced they can be ordered through the above address.

When doing these recommended procedures always check welds for cracking or leaks. Always inspect coating for any imperfections that may appear over time.

#### **Section 4: Paint Specs:**

The paint used is Benjamin Moore M39-91. It is a polyamide epoxy coating. The coating's features are as follows: it has a very good acid and chemical resistance, very good abrasion resistance, resists strong cleaning solutions, tile-like finish does not support mold, mildew or fungi growth. This coating is strongly recommended for metal and masonry use.

The primer used is Benjamin Moore M33-20 mixed with M34-84 catalyst. The features are: rust inhibition, chemical resistant, excellent adhesion, supports epoxy and urethane top coats. It is recommended for ferrous and nonferrous metal on exterior finishes. It is used on tanks, equipment, structural support steel, bar joists, roof decks, catwalks, and tower structures.

#### **Section 5: Local Authorities:**

Consult the proper authorities to see if there are any special requirements or restrictions.

A. Building Dept.	Plumbing Division
B. Zoning Dept.	Restrictions of Variances
C. Fire Dept.	Fire Prevention Bureau
D. Sewer Dept.	Industrial Waste Control
E. Sanitary Dept.	Industrial Water Ordinance
F. Health Dept.	In Some States
G. Federal Aviation Agency	F.A.A. Local Office

The Manufacturer's recommendation is to provide a base of instruction to install and give advice on the MI-HEL product. Any local authority must be contacted and their ruling overpowers anything stated from the Manufacturer.

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