



- 4.3. Each OWS is provided with a vent fitting. It is recommended the OWS vessel be vented to atmosphere and in accordance with all applicable codes.
- 4.4. If the OWS is to utilize a pumped inlet flow system, the pump MUST be properly sized as to not exceed OWS design flow rate and be of the positive displacement type. Air or electrically operated diaphragm pumps are recommended.
- 4.5. Install accessories per instructions.
- 4.6. Properly cap all unused fittings with metal plugs using non-hardening sealant material.
- 4.7. Fill the OWS with clean, fresh water until discharge chamber is filled to level of discharge pipe or flow is seen from discharge pipe.

## 5. OPTIONAL ACCESSORIES

### 5.1. Oil Level Alarm System

- 5.1.1. Install the float sensor in the designated fitting, do not cross the threads. Wire the sensor in accordance with the sensor/panel wiring instructions. No modifications to the sensor are required. Accumulated oil will activate an audible and visual alarm when the predetermined level of oil accumulates within the Oil/Water Separator.

### 5.2. Oil Level Sensors

- 5.2.1. There are two types of sensors: double-float and single-float.
- 5.2.2. Double-float are the alarm sensors (see Figure 5-1)

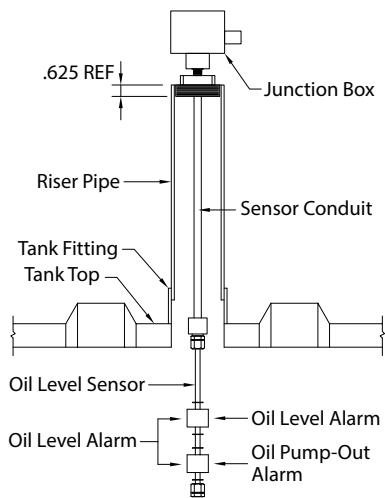


Figure 5-1

- 5.2.2.1. Oil level alarm warns that the tank is almost full of the oil storage capacity level and the oil will need to be removed soon.
- 5.2.2.2. Oil pump out alarm alerts the operator that the oil must be removed immediately.
- 5.2.3. The single-float alarm has only the oil pump out alarm which alerts the operator that the oil must be removed immediately.

- 5.2.4. Note: If the oil is not pumped out, the effluent concentration may exceed the desired levels if more oily water enters the tank. Oil should only be removed during non-flow conditions to insure pure oil draw-off.
- 5.2.5. For details and schematics, request tech sheet "Oil Interface Float Switch Models 40U and 50U B&S" Pub. No. ELC 7054.

### 5.3. Waste Oil Removal System

- 5.3.1. Accumulated oil activates a waste oil removal pump for discharge into a separate waste oil storage tank. System includes intrinsically safe NEMA 4 control panel and control sensor.
- 5.3.2. Optional waste oil tank may also be provided by Containment Solutions.
- 5.3.3. Standard systems are installed at the factory and should be wired per the instructions provided with the system.

### 5.4. Inlet Pumping System

- 5.4.1. Float controlled air operated diaphragm pump and associated accessories may be used to pump into the OWS. This package includes intrinsically safe NEMA 4 Control Panel, control sensor, and accessories needed (except piping and sump) to pump into the OWS.
- 5.4.2. Install these components in accordance with the instructions provided with the system.

### 5.5. Outlet Pumping System

- 5.5.1. This float controlled pumping system for discharge (effluent) from the OWS includes an intrinsically safe NEMA 4 control panel, control sensor, and pump.

## 6. OPERATIONS & MAINTENANCE

- 6.1. As with any OWS, proper maintenance is an important factor to ensure optimal performance. Reference the most recent edition of Containment Solutions Aboveground OWS Operations & Maintenance Instructions (Pub. No. OWS 2037).