



**ALLTRAP**  
ENGINEERING cc

# OIL SEPARATOR

## MAINTENANCE MANUAL

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Manufacturers of grease and  
oil separators and rainwater  
harvesting

# Maintenance

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Maintenance of the OilSep & Grit Tank unit is critical to ensure that separation efficiency is not compromised. The build-up of floatables and solids within the separator reduces the potential treatment volume and could, therefore, reduce the water retention time within the separator resulting in reduced separation efficiency. Furthermore, if contaminants are allowed to accumulate, the maximum storage capacities may be exceeded, resulting in the release of previously captured oil, grease, and solids. The frequency of maintenance depends on the application and the model of the OilSep. Some applications have very little oil, grease, and/or solids in the waste stream and, therefore, reaching the maximum storage capacities will take a longer period of time. For other applications, the maximum storage capacities will be reached in a shorter period of time. Maintenance should be performed when the storage capacity reaches 50% or annually, whichever comes first.

## Maintenance Procedure Checklist

1. Make sure all sand is removed from the sand trap when basket is noticeably full.  
Remove basket and empty

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

2. Manually inspect the levels of both the sludge and oil/grease in Grit Tank and Oilsep respectively.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

3. Grit tank may be cleaned by vacuum pump or by hand.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

4. It is important that the Oilsep be pumped out when the oil storage sump has reached full capacity.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

5. Ensure that all waste be disposed according to environmental law.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

# Maintenance of the Enhanced Coalescing Media

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The enhanced coalescing media cartridge must be cleaned periodically. Since the maintenance intervals strongly depend on each particular application, check the condition of the permanent filter element weekly during the first 60 days of operation. The filter media can be cleaned/rinsed with a garden hose. Recycle the wash-water to the separator. Do not expose the media to sunlight or UV-radiation!

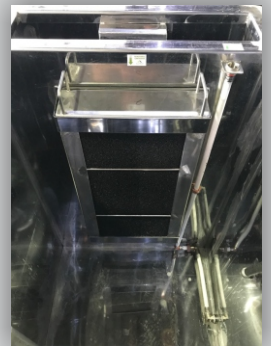
Always fill the interceptor with clean water after cleaning the unit for optimum treatment efficiency.

## 1 Removable Filter

The filter cartridge must be cleaned periodically. Since the maintenance intervals strongly depend on the very application, check the condition of the filter element weekly during the first two month of operation.

To detach the filter cartridge from the stainless steel baffle, lift the filter on the handle and remove. The filter media can be cleaned/rinsed with a garden hose. Drain the wash - water into the grit chamber of the separator. We recommend to insert a replacement cartridge while cleaning the filter element.

**IMPORTANT:** Do not expose the filter media to sunlight or UV-radiation.



## 2 Oil removal Outlet

Connect the crank pump to the oil removal outlet and manually drain the oil out of the oil recipient tank into an oil waste container for disposal.



## 3 Safety Float Valve

The safety float valve at the outlet operates in two working conditions.

- Open Valve: The orange ball float will be free floating.
- Closed Valve: The orange ball will be submerged.

**Please note:** The red cap on the safety float valve is an inspection eye for water sampling.



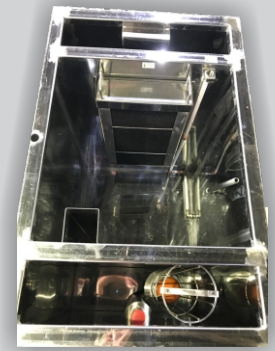
## 4 Oil Recipient Tank

The oil skimming pipe constantly removes accumulated light fluids, from the water surface and stores them in the oil recipient tank. The collected oils which is free, of any water can be pumped through the oil removal outlet standpipe and disposed of.



## 5 Skimming Pipe

The skimming pipe automatically removes accumulated light fluids, from the water surface into the oil recipient tank.



### Week One

Condition: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

### Week Five

Condition: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

### Week Two

Condition: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

### Week Six

Condition: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

### Week Three

Condition: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

### Week Seven

Condition: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

### Week Four

Condition: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

### Week Eight

Condition: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

