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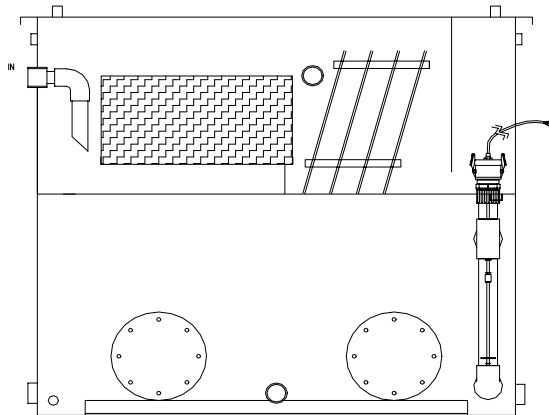
## OIL WATER SEPARATORS

### **OVERVIEW**

PRM offers 6 basic models of oil water separators for groundwater remediation. These units are rated for 10 to 80 gpm nominal flow-rate. The units have been designed with groundwater remediation in mind, where petroleum products such as gasoline, diesel fuel, jet fuel or other petroleum products are pumped from the subsurface. The oil water separator units are designed to remove and skim all free phase product from the water stream down to 20 micron. The product free water is stored in a integrated sump located under the oil water separator.

### **NOMINAL FLOW RATES**

OWS-10: 0 to 10gpm  
OWS-20: 5 to 20gpm  
OWS-30: 10 to 30gpm  
OWS-40: 15 to 40gpm  
OWS-60: 25 to 60gpm  
OWS-80: 35 to 80gpm



### **APPLICATION**

Oil water separators are one of the most misunderstood devices in a remedial system. During the design and specification phase of a project, particular attention needs to be paid to details such as flow rate, product density, and product viscosity.

Always keep in mind that oil water separators are designed to operate utilizing Stoke's Law and that a separator needs retention time to function properly. This may mean adding an equalization tank prior to the separator to allow for proper settling time.

For applications with large amounts of free product, extra time should be devoted to separator selection. Please feel free to talk to a PRM representative to insure that the separator you need is properly sized and specific for your application.

Product Recovery Management

A division of Phillips Electric Co. of Durham, Inc.

1705 New Raleigh Rd \* Durham, NC 27703 \* (919) 957-8890 \* Fax (919) 957-7230

Toll Free: **NC** 1-888-776-9455, **FL** 1-888-873-2848, **KS** 1-866-776-2368 **TX** 1-866-776-8392

## **MATERIALS OF CONSTRUCTION**

All PRM oil water separators are fabricated from Stainless Steel for superior corrosion resistance and structural stability. Internals include a standard PVC "wavy plate" coalescer, PVC oil skimmer with Viton O-rings and Polypropylene clarifier plates. The PRM oil water separators are the only ones in the industry with clarifying plates built in as a standard item. These clarifying plates reduce solids carry over to the effluent stream and increase the separation rate of oil and water. It all adds up to a superior Oil Water Separator

### **SPECIFICATIONS:**

#### **OWS-10**

- 12"W x 60"L x 24"H x 14gauge SS
- 2" inlet
- 2" adjustable oil skimmer, outlet on both sides
- (2) 1" air vents
- 2" wide gasketed lid with easy turn retainers

#### **OWS-20**

- 24"W x 60"L x 24"H x 14gauge SS
- 2" inlet/outlet
- 2" adjustable oil skimmer, outlet on both sides
- (2) 1" air vents
- 2" wide gasketed lid with easy turn retainers

#### **OWS-30**

- 36"W x 60"L x 24"H x 12gauge SS
- 2" inlet/outlet
- 2" adjustable oil skimmer, outlet on both sides
- (2) 1" air vents
- 2" wide gasketed lid with easy turn retainers

#### **OWS-40**

- 12"W x 84"L x 36"H x 12gauge SS
- 2" inlet, 3" outlet
- 2" adjustable oil skimmer, outlet on both sides
- (2) 1" air vents
- 2" wide gasketed lid with easy turn retainers

#### **OWS-60**

- 18"W x 84"L x 36"H x 12gauge SS
- 2" inlet, 4" outlet
- 2" adjustable oil skimmer, outlet on both sides
- (2) 1" air vents
- 2" wide gasketed lid with easy turn retainers

#### **OWS-80**

- 24"W x 84"L x 36"H x 12gauge SS
- 2" inlet, 4" outlet
- 2" adjustable oil skimmer, outlet on both sides
- (2) 1" air vents
- 2" wide gasketed lid with easy turn retainers

### **OPTIONS**

- Elevated steel stands or skid mounting
- Alternate coalescing media CPVC or other
- Equalization tank
- Transfer tank
- Product Storage tanks with H/L switches
- Bag filtration
- Sight tube assembly
- Level controls
- System control panels

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