

Installation Guide:

Oil Water Separator



Vodaland Oil Water Separator

Vodaland oil/water separators are compact, efficient systems designed to remove oils and suspended solids from wastewater in automotive, industrial, and commercial environments. Built from durable, corrosion resistant fiberglass, each unit features a high performance coalescent filter for reliable separation and long term performance. With standardized inlet and outlet ports, they are easy to install and integrate seamlessly into existing drainage systems. These separators are engineered for low maintenance and environmental compliance, helping to protect waterways and support sustainable wastewater management across a variety of applications.



Installation Guide



Step 1: Dig the trench

Choose a spot downhill from buildings, at least 10–20 feet away. Dig a hole approximately twice the diameter and depth of the oil/water separator tank. Ensure a level, flat base; compact the bottom to avoid future settling.



Step 2: Install a concrete base

Lay 4–6 inches of clean, crushed stone at the bottom to enhance drainage and create a solid leveling layer. It is recommended to place Vodaland's HexPave permeable paving grid on the bottom for extra support.



Step 3: Fasten Tank

Once the concrete has cured (typically 24-48 hours) fasten the tank to the concrete base.



Step 4: Compact the Tank

Pour sand or gravel around the tank and compact around.

Frequently Asked Questions

Q: What is this made of?

Our separators are constructed from durable fiberglass and feature a coalescent filter made of PPE (polyphenylene ether) material. This combination ensures lightweight installation and efficient oil separation.

Q: What size are the outlets?

Standard inlet / outlets are 4 inch PVC piping on both sides.

Q: What is a Coalescent filter?

A coalescent filter facilitates the separation of oil from water by encouraging small oil droplets to merge into larger ones, which then float to the surface for removal. This process enhances the efficiency of oil separation in wastewater systems.

Q: Can this be used in a carwash?

That is one of the most common installations of our oil / water separators, anywhere where oil and water mix together, that needs to be removed to make sure that it does not enter the drinking / recycled water supply. The entire essence of this system.

Q: What is the flow rate of these separators?

Our separators are designed to handle flow rates up to 50 gallons per minute, ensuring efficient processing of wastewater in various settings.

Q: How do I maintain the separator?

Regular maintenance involves inspecting the coalescent filter and removing accumulated oil and solids. The inclusion of an extension inspection riser in certain models facilitates easier access for maintenance tasks.

Q: What sizes and capacities do Vodaland Oil/Water Separators offer?

We offer a range of models with varying capacities to suit different needs:

70 Gallon Separator: Compact and ideal for smaller applications.

135 Gallon Separator: Suitable for medium-sized operations.

215 Gallon Separator: Offers a larger capacity for higher volume needs.

250 Gallon Separator: Designed for extensive applications requiring significant capacity

Additional Size Information

Q: What size are the outlets?

120 Gallon Separator: 4 Inch inlet/outlets
185 Gallon Separator: 6 Inch inlet/outlets
270 Gallon Separator: 6 Inch inlet/outlets
490 Gallon Separator: 10 Inch inlet/outlets
685 Gallon Separator: 12 Inch inlet/outlets
870 Gallon Separator: 12 Inch inlet/outlets

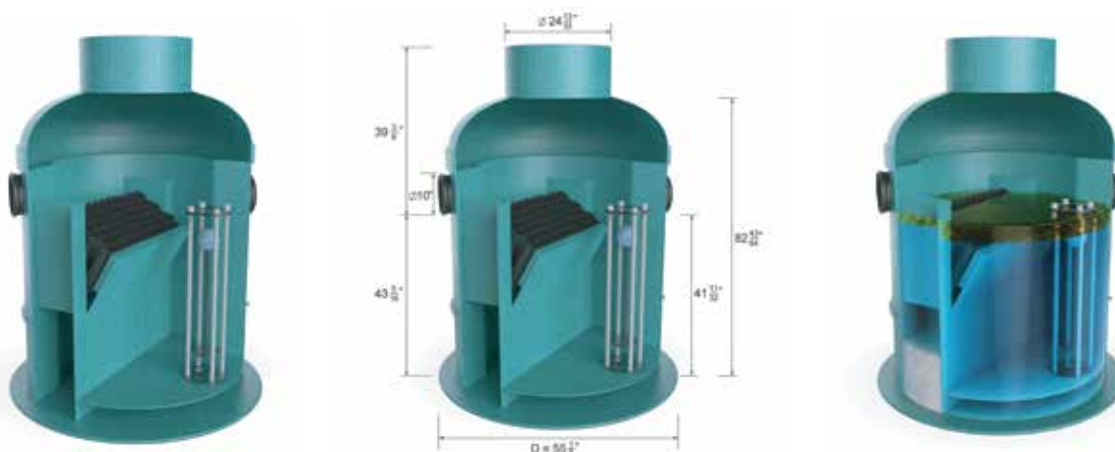
Q: What is the flow rate of these separators?

120 Gallon Separator: 15 gallon per min water / oil movement
185 Gallon Separator: 35 gallon per min water / oil movement
270 Gallon Separator: 50 gallon per min water / oil movement
490 Gallon Separator: 50 gallon per min water / oil movement
685 Gallon Separator: 160 gallon per min water / oil movement
870 Gallon Separator: 240 gallon per min water / oil movement

Q: What sizes and capacities do Vodaland Oil/Water Separators offer?

We offer a range of models with varying capacities to suit different needs:

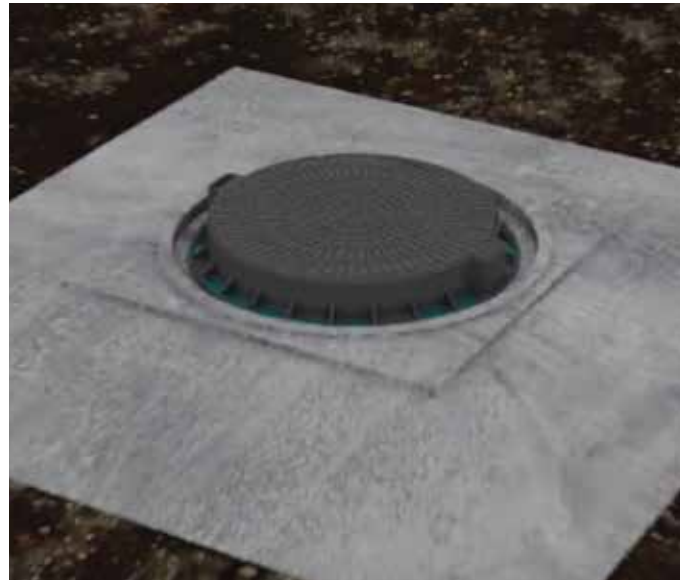
120 Gallon Separator: Compact and ideal for smaller applications.
185 Gallon Separator: Suitable for medium sized operations.
270 Gallon Separator: Designed for higher demand applications.
490 Gallon Separator: Provides increased capacity for larger installations.
685 Gallon Separator: Built for substantial commercial and industrial applications.
870 Gallon Separator: Our highest capacity option, engineered for large scale operations.



490 Gallon Specs

**Step 5: Fill Tank and Connect Pipes**

Fill the oil/water separator with water. Connect the PVC pipes to each side of the system.

**Step 6:**

Place silicone sealant around the top of the oil water separator and place a Vodaland Manhole cover.

Additional Products Shown:



**Cast Iron
Manhole Cover**



Manhole Cover

Maintenance / Cleaning

The cleaning is performed using a vacuum machine by pumpng both grease / oil first layer. Then solid wastes are pumped, rinsed inside including the filter and flushed

Pump



Rinse



Before



After



Thank You For Your Purchase

We hope you're enjoying your new product. If you're happy with it, we'd truly appreciate it if you could take a moment to leave us a review—it really helps!

If you have any questions or run into any issues with your order, please don't hesitate to reach out to us directly. We're here to help!

3120 Riverport Tech Center Dr. Maryland Heights, MO. 63043-4825
314.717.1551 | Info@vodaland-usa.com | vodaland-usa.com

Follow Us On Social Media

[Youtube.com/vodalandusa](https://www.youtube.com/vodalandusa)
[Instagram.com/vodaland_usa](https://www.instagram.com/vodaland_usa)
[Facebook.com/vodalandusa](https://www.facebook.com/vodalandusa)