

WCL Series

WATER TREATMENT SYSTEMS



Our mechanical oil/water separator systems is designed to remove free oils before discharging to your sanitary sewer. The oil/water/solids separators will reduce the amount of suspended solids while removing hydrocarbons to meet stringent local sanitary sewer discharge requirements.

Clarifier & Oil/Water Separator



WCL-30D-0M10 shown with optional mezzanine stand (#RC-0005-0001)

The WCL Series models features:

- A conveniently located, CSA listed NEMA-4 rated, control panel makes equipment simple to operate and is easily accessible (WCL-30D-0M10 only)
- Ozone generator for a "quick kill" of live bacteria on contact (WCL-30D-0M10 only)
- A choice between a 600-gallon or 300-gallon cone-shaped tank for effective settling and easy handling of solids
- A 1.0 HP surface-mount sump pump
- Solids separation chamber with bag filter and decanting
- Oil skimmer and decanter for easy handling of oil
- CSA approved control panel which meets the requirements of the US and Canadian standards for an Industrial Control Panel

The WOS Series is perfect for the following applications:

- Rental Yards
- Golf Courses
- Heavy Equipment Dealers
- Trucking Facilities
- Military Bases
- Truck Rental Fleets
- Diesel Repair Facilities
- Forklift Washing Operations
- Aircraft Maintenance & Restoration
- Shipyards
- Municipalities/State DOTs
- Oil Fields
- Engine Rebuilders & Manufacturers



855-0016 optional 165-gallon storage tank

MODEL NUMBER	FLOW RATE	CLARIFIER TANK	OIL COALESCING AREA	POWER REQUIREMENTS	DIMENSIONS (LxWxH)	SHIP WT.
WCL-10S-0M10*	0-10 GPM	300 gallons	48 sq. ft.	230V, 1Ø, 8.0A	48in.x67in.x97in.	641 lb.
WCL-30S-0M10*	0-30 GPM	600 gallons	73 sq. ft.	230V, 1Ø, 8.0A	63in.x75in.x106in.	725 lb.
WCL-30D-0M10	0-30 GPM	600 gallons	425 sq. ft.	230V, 1Ø, 13.0A	63in.x75in.x106in.	980 lb.

*Float consists of 230V plug.

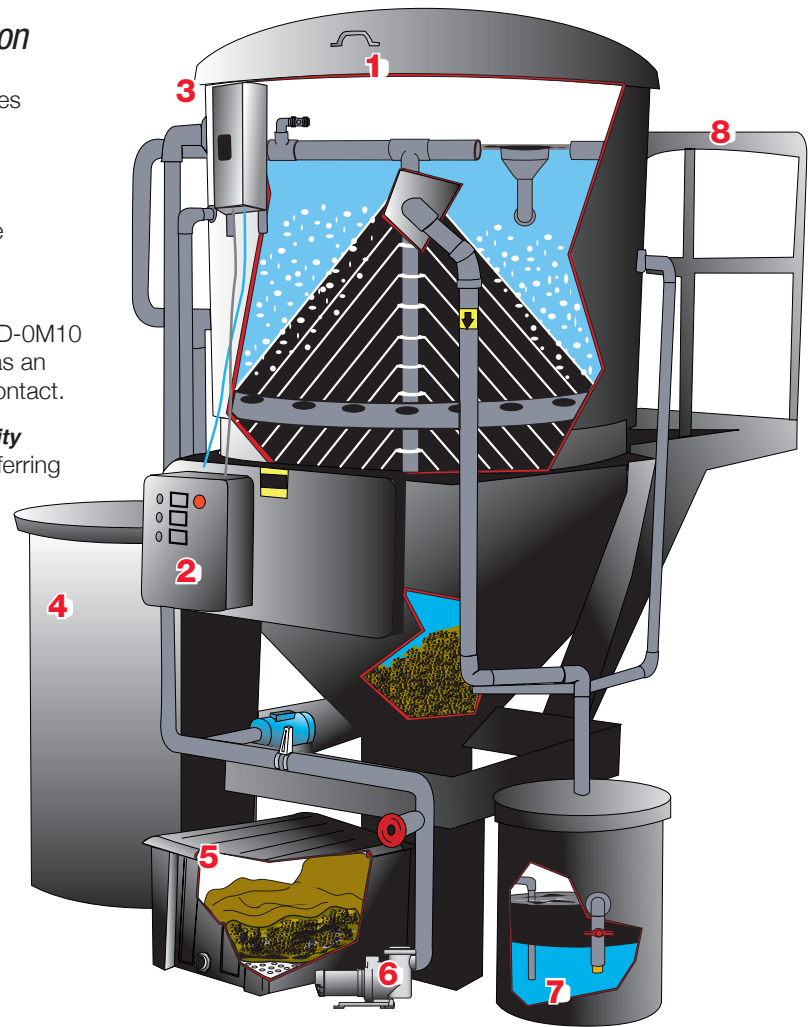
Surface-mount sump pump included on all models.

ACCESSORIES:

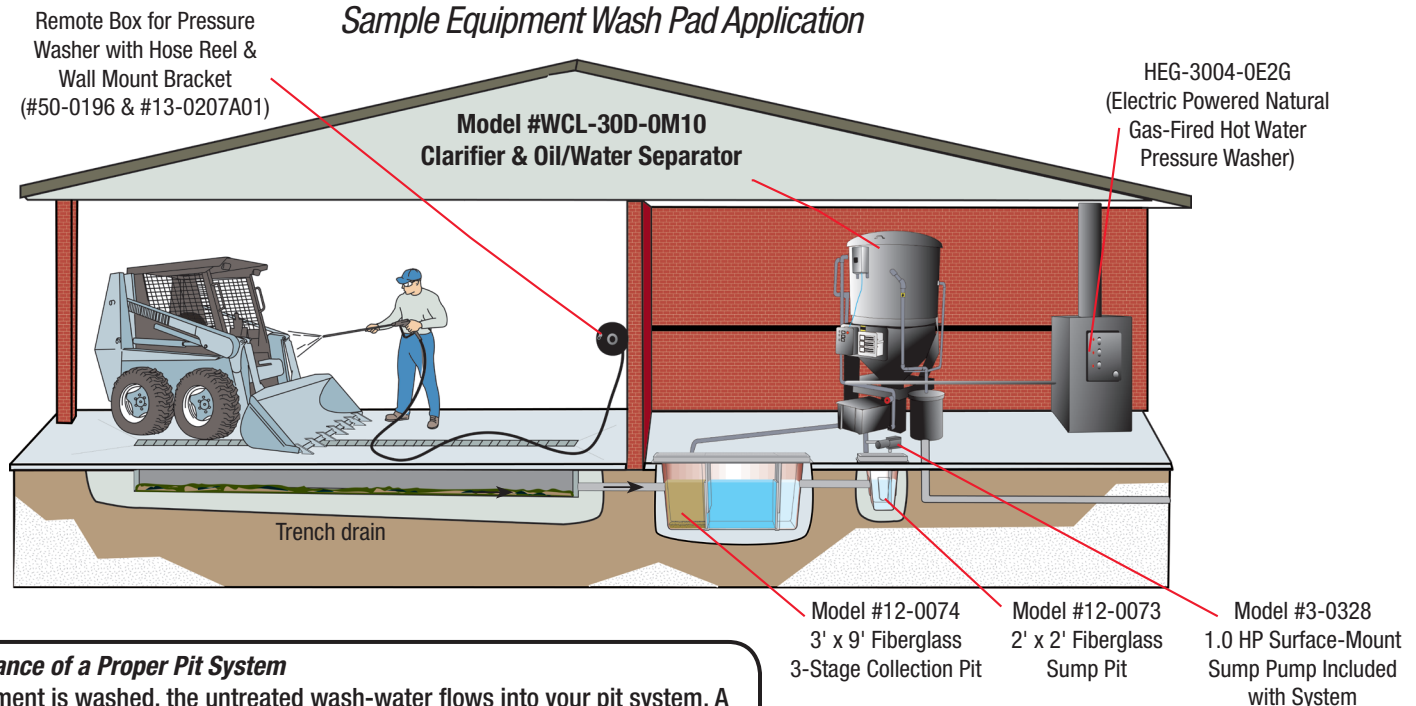
PART NUMBER	DESCRIPTION	FITS MODELS
855-0015	Treated-water storage tank - 80-gallons, for transferring water to the next process or point of discharge	All models
855-0016	Treated-water storage tank - 165-gallons, for transferring water to the next process or point of discharge	All models
RC-0005-0001	Mezzanine stand - For convenient access to the oil skimmer and to the top portion of the tank	WCL-30 models

WCL Series *Process & Flow Description*

- 1. Clarifier Tank** - A 300-gallon or 600-gallon cone-shaped clarifier settles solids. Free-floating oils are removed via a suspended oil skimmer. Model WCL-30D-0M10 has 425 sq. ft. of oil coalescing media to help capture mechanically emulsified oil.
- 2. Control Panel** - This CSA listed NEMA-4 rated control box makes the equipment simple to operate and is easily accessible. (Standard on WCL-30D-0M10)
- 3. Corona Discharge Ozone Injection** - For odor control, the WCL-30D-0M10 comes with a corona discharge ozone generator. The ozone generator has an output of 0.5 grams per hour of ozone for "quick kill" of live bacteria on contact.
- 4. Treated-Water Holding Tank (Accessory #855-0015, 80-gallon capacity and #855-0016, 165-gallon capacity)** - Treated-water holding tank for transferring treated water to the next process or point of discharge.
- 5. Solids Separation Chamber** - Solids from the wastewater stream settle at the base of the clarifier tank. With the opening of a single valve, solids are easily dropped into a bag filter in the solids separation chamber for effective capture and easy disposal. The bag filter is suspended on a de-watering tray with drainage returning to the in-ground collection pits.
- 6. Surface-Mount Sump Pump** - Untreated wash-water is introduced into the system via a 1.0-HP surface-mount sump pump, which is included with the unit.
- 7. Oil Decanter** - Oil skimmed from the surface of the clarifier tank is captured in a conveniently located oil decanter. Oil can be removed easily for appropriate disposal.
- 8. Mezzanine Stand (Accessory #RC-0005-0001)** - A maintenance ladder and platform is available for the WCL-30 Series for convenient access to the oil skimmer and to the top portion of the tank.



Sample Equipment Wash Pad Application



The Importance of a Proper Pit System

Once equipment is washed, the untreated wash-water flows into your pit system. A proper pit system for your application is the first step in proper wash-water treatment, and a critical element in any wash-water recycle system.

We can help you determine the pit system configuration that works best with your application.

Information on Fiberglass Pits available in the Pit System Brochure.

