

These wash-water recycle systems combine enhanced design with state-of-the-art technology to offer:

- Cone-shaped tank for easy handling of accumulated solids.
- Quality recycled wash-water without common odor problems.
- Easy operation & maintenance.
- Heavy duty, corrosive-resistant base, for years of maintenance-free operation.



NEMA-4 rated corrosion-proof control panel for safe and reliable operation.

Hose connectors are designed for easy accessibility and quick installation; the connections are clearly marked.



Filter pumps are easily accessible.



WCP-20-0M10

Model #	Flow Rate	Clarifier Tank	Media Filter	Cartridge Filter	Carbon Filter	Ozone Generator	Power Requirements	Air Required	Dimensions L x W x H	Shipping Weight
WCP-10-0M10	0-10 GPM	300 gal.	285 lbs.	120 sq.ft.	200 lbs.	6 grams/day	120V, 1Ø, 24 amps	-	5' x 8' x 9'	2,100 lbs.
WCP-20-0M10	0-20 GPM	600 gal.	350 lbs.	450 sq.ft.	300 lbs.	12 grams/day	230V, 1Ø, 26 amps	-	6' x 8' x 9'	2,670 lbs.
WCP-30-0M10	0-30 GPM	600 gal.	900 lbs.	450 sq.ft.	450 lbs.	12 grams/day	230V, 1Ø, 34 amps	-	6' x 9' x 9'	2,700 lbs.
WCP-30AB-0M10*	0-30 GPM	600 gal.	900 lbs.	-	450 lbs.	12 grams/day	230V, 1Ø, 34 amps	60-100 PSI	6' x 9' x 9'	2,700 lbs.

*Includes auto backwash

Option:

Part #	Description
WX-0014	2" Automated Dump Valve



Recommended Mi-T-M Air Compressor **AC1-HE02-05M1** for use with the auto backwash. Consult your Mi-T-M Authorized Dealer for specifications.

WCP Series Process Flow & Description

1. Surface-Mount Sump Pump: Untreated wash-water is introduced into the system via a ¾ HP surface-mount sump pump.

2. Clarifier Oil/Water/Solids Separator: As the water flows through the cone-shaped oil/water/solids separator, it changes directions countless times as the water is directed and redirected through cone baffles, and hundreds of square feet of oleophilic (oil attracting) coalescing media. Mechanically emulsified oil particles are attracted from the water to the oleophilic media, and float to the surface. Once on the surface, the oil is skimmed off into an oil decanter for easy disposal. Fine silt and particulates are dropped to the bottom of the cone for easy flushing and disposal of the accumulated solids.

3. Corona Discharge Ozone Injection: Water in the cone tank is injected with a high concentration of ozone via a corona discharge ozone injector system, tiny bubbles saturate the water in the cone tank, killing live bacteria instantly on contact.

4. 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.

5. Solids Separator 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 for effective capture and easy disposal. The bag filter is suspended on a de-watering tray with drainage returning to the in-ground pits.

6. Customized Multi-Media Filter (located at the back of the skid): Once the water has been treated for oil and solids removal, it is then pushed through a customized multi-media filter which contains a special media blend to filter out particulates larger than 25 microns.

7. Reusable Polyester Filter: Once the larger particulates are removed, the water is then filtered through hundreds of square feet of reusable polyester 20 micron filters. (Not used on auto backwash models)

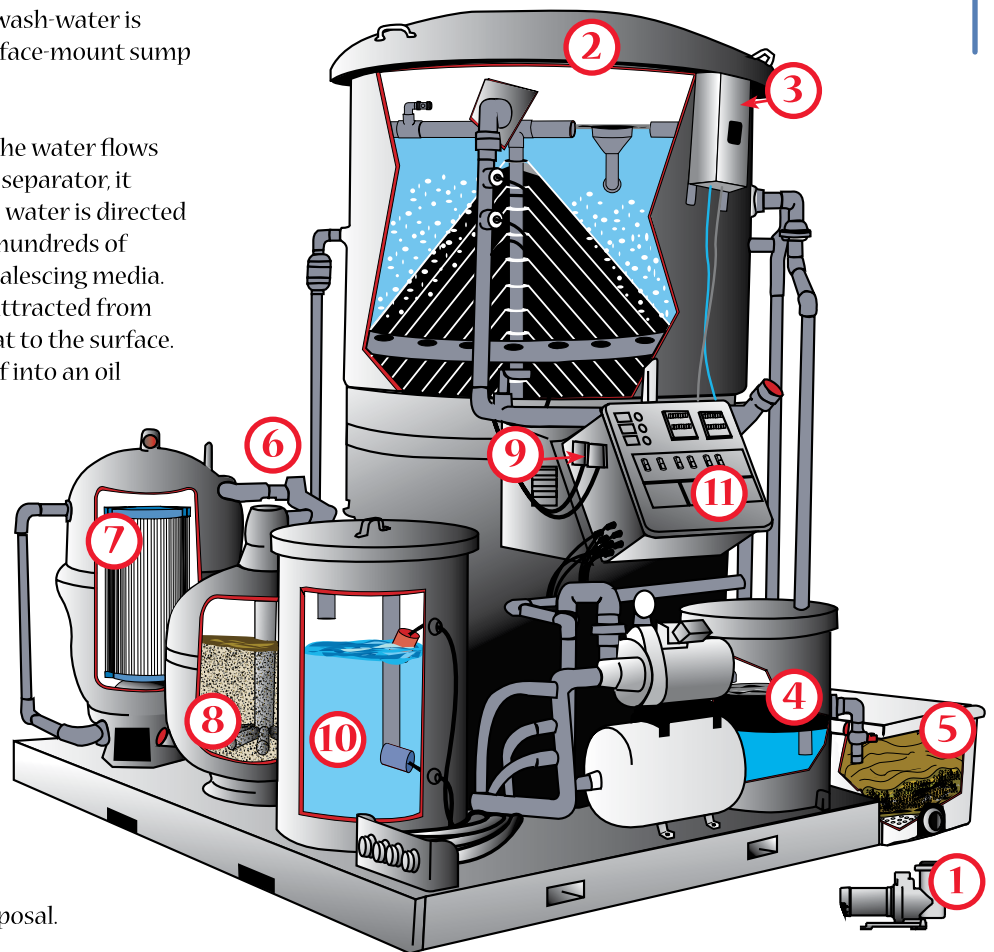
8. Activated Carbon Filter: The final treatment stage of the system occurs as the water is filtered through activated carbon which adsorbs hydrocarbons, herbicides, pesticides, some metals, and dozens of other carbon-based constituents. Activated carbon also works as a polisher for treated water to remove chlorides.

9. ORP/pH Controller: For longer-term control of bacteria, the ORP injection system automatically measures and injects a germicide to control odor by killing odor-causing bacteria. The automated pH control system keeps the water at an appropriate pH level so the germicide is effective at killing bacteria and controlling odor.

10. Treated Water Holding Tank: Treated water is delivered for reuse at 30 PSI to 50 PSI via a pressurized water storage tank.

11. Electrical Control Panel: NEMA-4 rated corrosion-proof control panel for safe and reliable operation.

The Importance of a Proper Pit System (not shown in picture): Once equipment is washed, the untreated wash-water flows into your pit system (see page 24). A proper pit system for your application is the first step in proper wash-water treatment, and is a critical element in any wash-water recycle system. Consult Mi-T-M Corporation or your local distributor to determine the pit system that will work with your application.



WLP & WCP Series Mechanical System Accessories



Quick Release Detergent



Safe 03



Replacement 20 micron filters

Consumables

Part #	Description
58-0019	Safe 03: Non-chlorine germicide injected via the ORP controller
19-0098	Filter - 20 micron, 450 sq. ft. (includes 3 filters) WLP-20, WLP-30, WCP-20 & WCP-30
19-0099	Filter - 20 micron, 200 sq. ft. (1 each) WLP-40
19-0603	Filter - 20 micron, 120 sq. ft. WLP-08 & WCP-10
AW-4060-0005	Quick-release detergent (5 gallon bucket)
AW-4060-0055	Quick-release detergent (55 gallon drum)



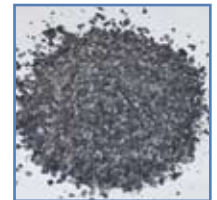
Activated Carbon



Garnet #12



Garnet #80



Organo Clay



Gravel #3



Garnet #50



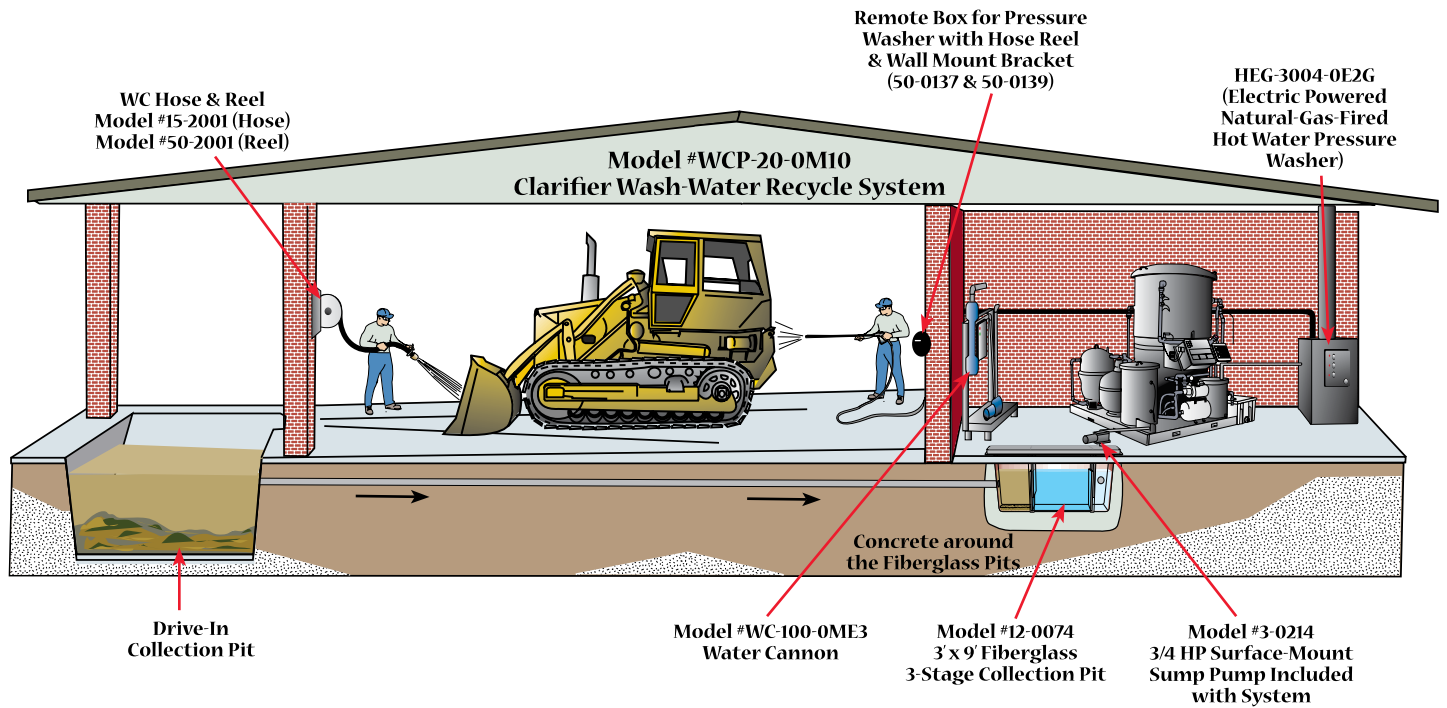
Filter Ag

Replacement Media

Part #	Description
33-0302	Activated Carbon, 55 lb. bag
33-0303	Gravel #3, 100 lb. bag
33-0304	Garnet #12, 100 lb. bag
33-0305	Garnet #50, 100 lb. bag
33-0403	Garnet #80, 50 lb. bag
33-0306	Filter Ag, (order per lb.)
33-0450	Zeolites, 50 lb. bag (1cu.ft.)
33-0449	Large funnel for media loading
33-0318	Organo clay bag, 50 lb. bag

Note: For proper media mix consult owners manual

Sample Equipment Wash Pad Application with Recycle System



The WCP 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