



Water Treatment Systems

Pit System



The Mi-T-M Corporation understands that pre-treating wash water is an important step in water clarification and recycling and Mi-T-M Waste Treatment Pit Systems are perfect for this application.

Each Pit System is built with in-ground fiberglass components and is designed to effectively pre-treat vehicle wash-water for treatment by an above-ground system. Not only are these Pit Systems easily installed by a contractor, they have an optional Pit Cleaner accessory, designed and used for the clean-up of solids in hard-to-reach places including in wash-water, sludge, and sand pits.

Along with a Mi-T-M Pit System, a Biological Pit Enhancement System (BPS) can be used to control odor and accumulations in sump pits. These systems feature two aeration pumps, two peristaltic pumps and internal timers to control daily dose and frequency of bacteria injections.

Mi-T-M Pit Systems are perfect for pre-treatment applications at rental yards, golf courses, trucking companies, military bases, shipyards, municipalities, oil fields, and any other application where pre-treatment is desirable.

Known for manufacturing high-quality products for 40 years, the Mi-T-M Corporation builds Water Treatment Systems to provide a better tomorrow by protecting our environment today.

In-Ground Fiberglass Pit System

Use these premium quality fiberglass pit components for creating the appropriate pre-treatment pit system for your wash-water recycle system or sewer discharge operations.

The different pit components are designed to:

- Effectively pre-treat vehicle wash-water for treatment by an above-ground system
- Be easily installed by your contractors

3' x 9' PIT SYSTEM

Part Number	Pit Size (ft.)	Description	Ship Wt.
12-0074	3x9x4.5	3-stage collection pit, fiberglass, capacity 600-gallons	480 lbs.
12-0223	3x9x4.5	3-ft. x 9-ft. baffleless pit, fiberglass, capacity 600-gallons	480 lbs.
20-9051	Fits 3x9	Above-ground external brace kit, 12-0074	250 lbs.
56-0032	Fits 3x9	Aluminum hinged diamond plate cover with 3 sections frame	100 lbs.
RC-0001-0003	Fits 3x9	Brace kit for installation of 3-stage collection pit	200 lbs.

3' x 3' PIT SYSTEM

Part Number	Pit Size (ft.)	Description	Ship Wt.
12-0071	3x3x4.5	Catch basin, fiberglass, capacity 100-gallons	190 lbs.
20-0480A01	Fits 3x3	Steel grating for pit, 2 sections	250 lbs.
20-0733A01	Fits 3x3	Above ground external brace kit	250 lbs.
56-0031	Fits 3x3	Aluminum diamond plate cover with aluminum frame	30 lbs.
RC-0001-0002	Fits 3x3	Brace kit for installation of 3-ft. x 3-ft. pit	150 lbs.

2' x 2' PIT SYSTEM

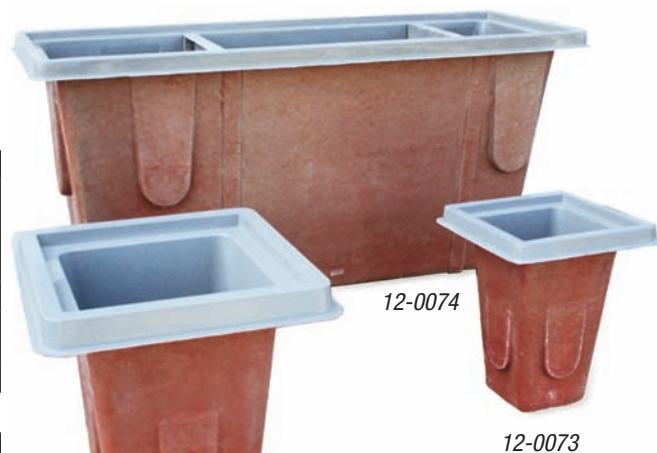
Part Number	Pit Size (ft.)	Description	Ship Wt.
12-0073	2x2x3	Sump pit, fiberglass, capacity 50-gallons	92 lbs.
20-0479A01	Fits 2x2	Steel grating for pit	100 lbs.
56-0030	Fits 2x2	Aluminum diamond plate cover with aluminum frame	60 lbs.
RC-0001-0001	Fits 2x2	Brace kit for installation of 2-ft. x 2-ft. pit	75 lbs.

ACCESSORIES

Part Number	Description
3-0216	Submersible sump pump, 1/2 HP, 230V, 1Ø, 5.0A
3-0328	Replacement sump pump, surface-mount, 1.0 HP, 115V, 10.0A
33-0491	6-inch trap and basket
55-1848	2-inch bulkhead fitting for piping of pits, 1 each
55-2248	3-inch bulkhead fitting for piping of pits, 1 each
55-2448	4-inch bulkhead fitting for piping of pits, 1 each
56-0069	Aluminum round sump pit
56-0070	Aluminum sump grating
855-0013	Oil coalescing pack for 3-stage collection pit

OPTION

Part Number	Description
WX-0018	Air stone assembly for aeration of pits, prevents water from stagnating, includes regulator assembly



55-2248



56-0069 & 56-0070



855-0013



3-0216

WX-0018

Pit Cleaner

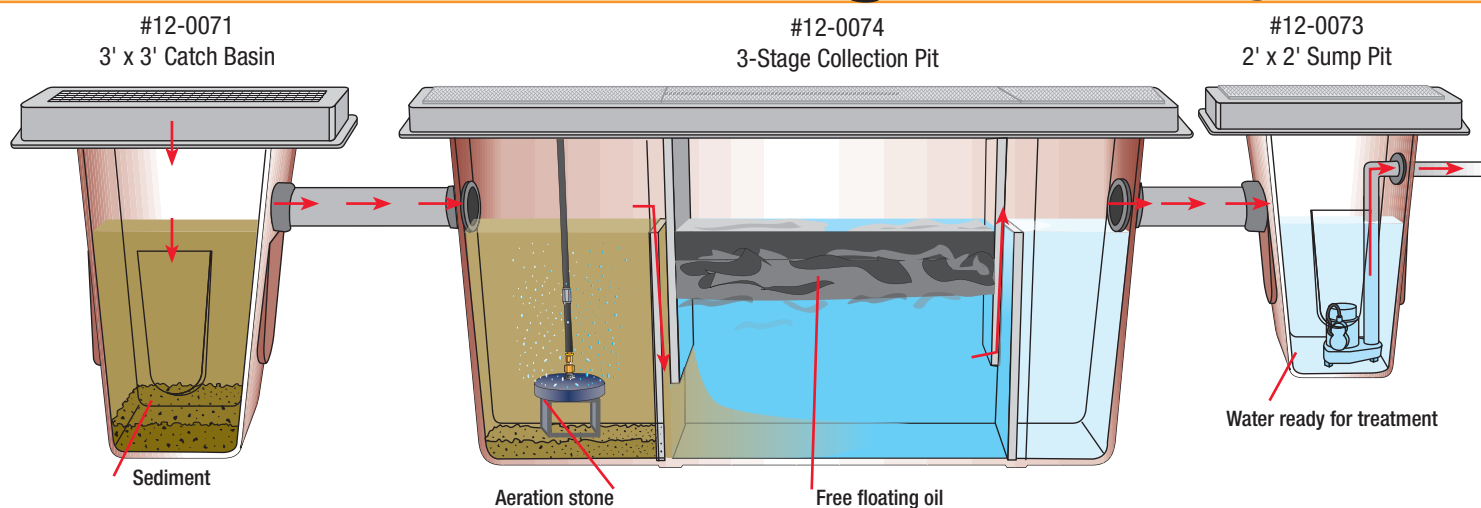
Here's just the right tool to aid in the clean-up of solids in hard-to-reach places. The Mi-T-M Pit Cleaner is designed to draw and strain the solids that collect in wash-water pits, and is effective in applications such as:

- Mud and sludge pits
- Sand pits
- Heavy grass clean-up

Part Number	Description
855-0017	Sludge box
RC-0002-0001	Suction lance, gun, suction head and flex hose
RC-0003-0001	Sludge carrier
RC-0003-0002	Biodegradable sludge bags, 5 qty.



In-Ground Fiberglass Pit System



Typical pre-treatment applications include:

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

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.

Consult Mi-T-M Corporation or your local distributor to determine the pit system configuration that works best with your application.

Sample Pit Cleaning Application with In-Ground Pit System

Rotating Elbow:

For convenience while vacuuming out pits, elbow swivels to follow the direction of the hose.

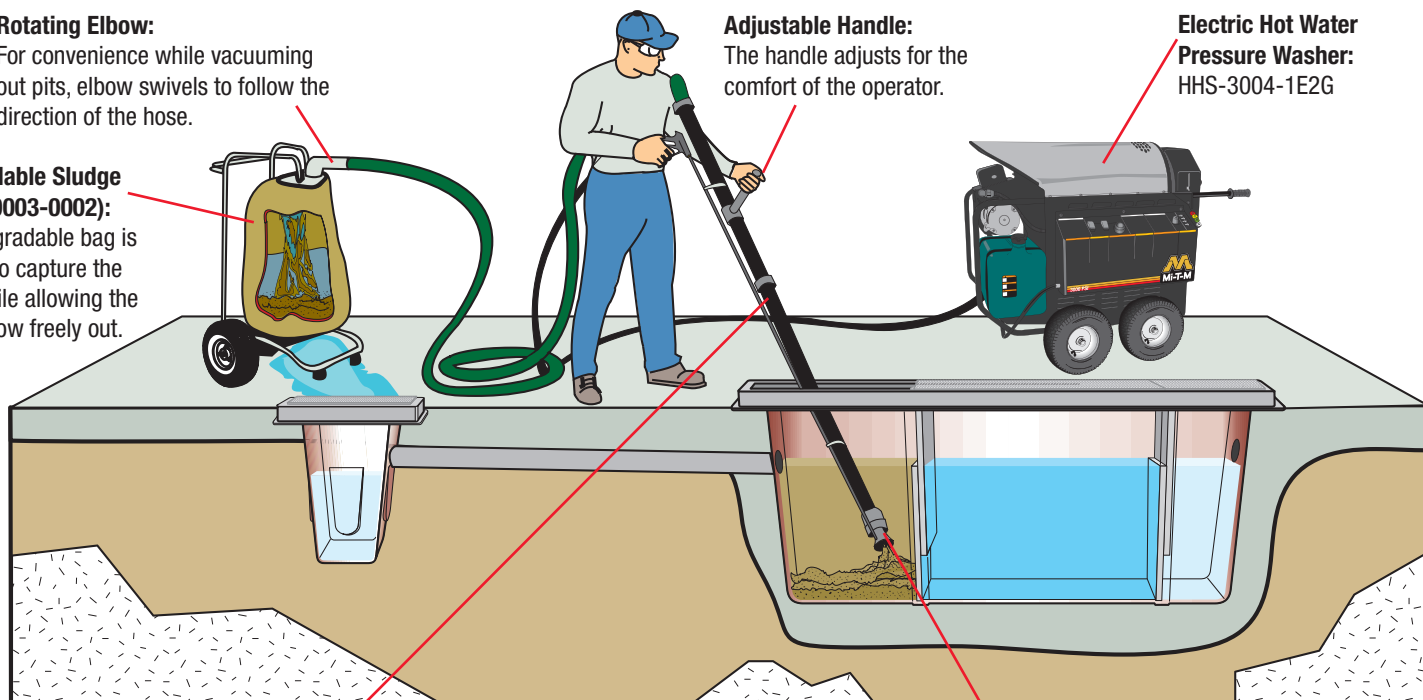
Biodegradable Sludge Bag (RC-0003-0002):

The biodegradable bag is designed to capture the sludge while allowing the water to flow freely out.

Adjustable Handle:

The handle adjusts for the comfort of the operator.

Electric Hot Water Pressure Washer: HHS-3004-1E2G



Suction Lance (RC-0002-0001):

This 87-inch suction lance is capable of vacuuming up to 1-inch diameter solids. 20-feet of flexible hose is standard with the suction lance.

Suction Head:

Via a venturi-effect in the suction head that is caused by force from the pressure washer, mud is sucked from the bottom of the pit to the biodegradable sludge bag.

BPS Series

Biological Pit Enhancement System

The Biological Pit Enhancement System enables you to inject air, microbes and nutrients into water stored in pits where oil collects and gathers. The BPS will improve the quality of the water by decreasing the amount of oils while adding oxygen.

The Biological Pit Enhancement System consists of:

- 2 aeration pumps - linear pumps are used to infuse air into water collection pits
- 2 peristaltic pumps which are able to inject a bacteria and a nutrient if so desired

Features include:

- Can be set to 115V or 230V single phase
- Internal timers allow end user to control not only the amount of a daily dose, but also the frequency. The BPS Series can be set to inject bacteria every minute, every hour or every day, whatever the situation dictates.

Part Number	Electrical	Dimensions (LxWxH)	Ship Wt.
BPS-120M	120V, 1Ø, 8.0A, 60 Hz.	30 in. x 22 in. x 39 in.	150 lbs.



Shown with side panel removed



Distributed by:

Mi-T-M Corporation
8650 Enterprise Drive
Peosta, IA 52068
800-553-9053
563-556-1235 fax
corp@mitm.com
www.mitm.com

