



SOFT WASH SKID

Dual 12v Pump with

Metering System

Single Reel

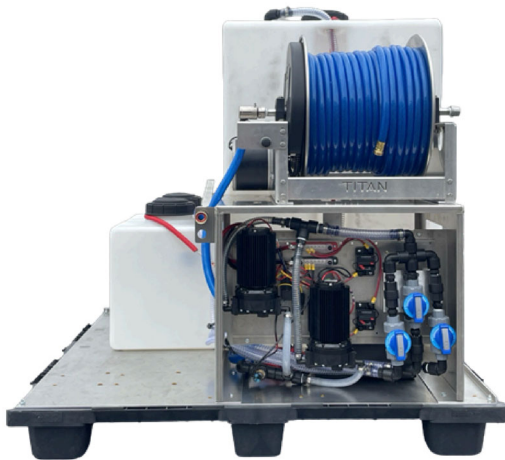
Item 150-0470

On-Board Mixing: Mix surfactants directly at the control panel without the need for manual measuring or mixing in a separate tank.

This innovative feature allows for on-the-fly adjustments of mix ratios depending on the surface being cleaned, enhancing efficiency and accuracy.

Dual 12V 90 PSI Pumps: The system is powered by two robust 12V, 90 PSI pumps with a 5 GPM open flow rate. When combined, they provide an exceptional spray flow, perfect for all your soft washing requirements. The dual pump setup ensures that even if one pump fails, you still have sufficient flow and pressure to complete the job.

Integrated Buffer and Concentrate Tanks: Includes a 7-gallon water buffer tank and a 7-gallon detergent/surfactant concentrate tank, providing ample capacity and ease of use for extended operations.



(Image Above Depicts Optional Electric Reel)

Standard system includes Aluminum Hand Operated Reel

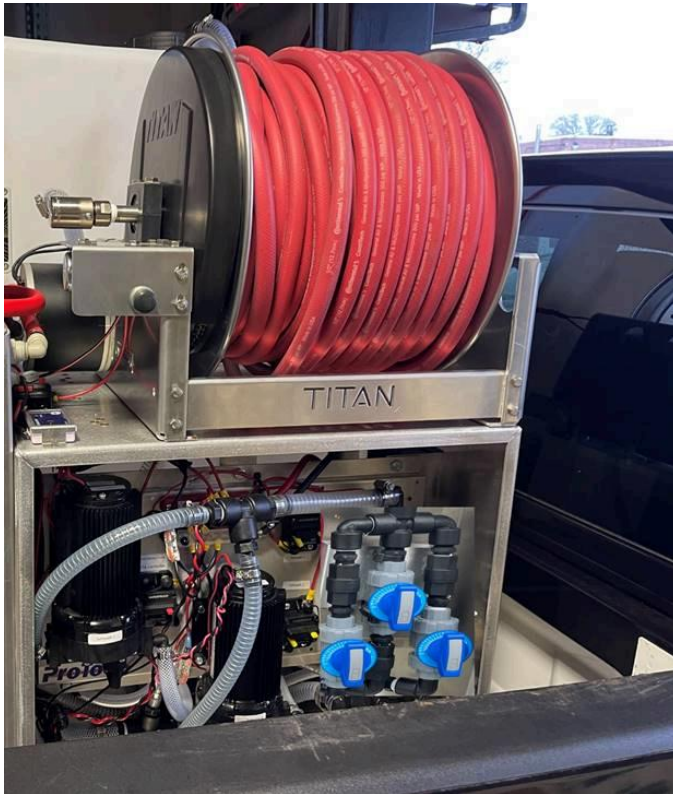
Skid Contents:

- SH Tank Capacity: 80 gallons
- Water Buffer Tank Capacity: 7 gallons
- Detergent/Surfactant Tank Capacity: 7 gallons
- Pump Specifications: Two 12V, 90 PSI, 5 GPM (Open Flow)
- ProTool Metering Valves: Three, for precise chemical mixing
- Aluminum Reel with SS manifold and Swivel
- 200ft of 1/2in ProTool Blue Braid Spraying Hose

- Installed on an aluminum plate that is mounted on a PVC pallet.



This system easily installs in the back of pickup trucks and can be rear mounted or side mounted where the reel is oriented to deliver the hose on the curb side of the truck bed.



(Example of Curb Side Installation)

System Overview:

The skid has an 80 Gallon SH (Bleach) tank

A 7 Gallon Surfactant tank

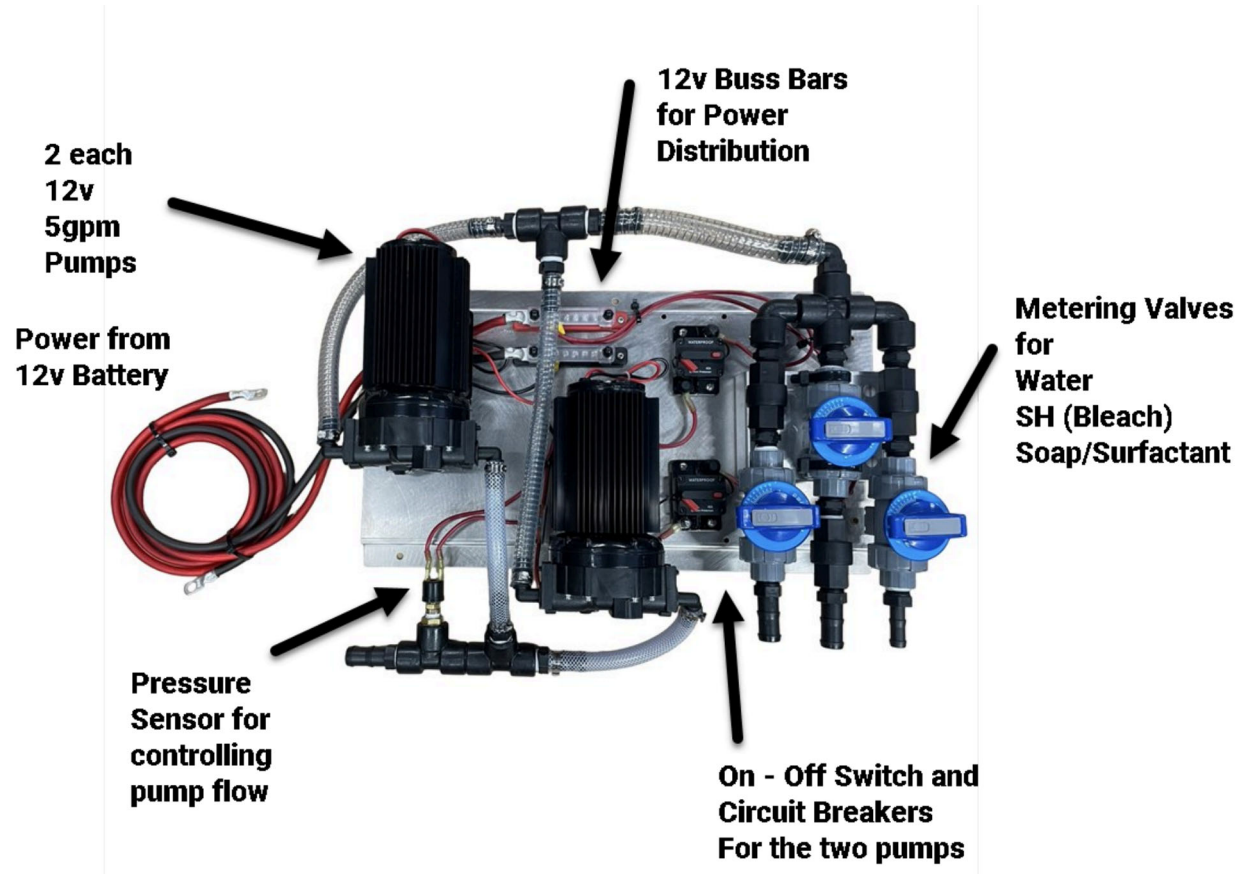
And a 7 Gallon Water buffer tank,

The water tank is needed as water pressure can vary all across town.

Running water directly to the mixing valves at various pressures would make knowing your system's mix rates impossible.

This tank has a fill valve that maintains an appropriate amount of water for mixing the spray.

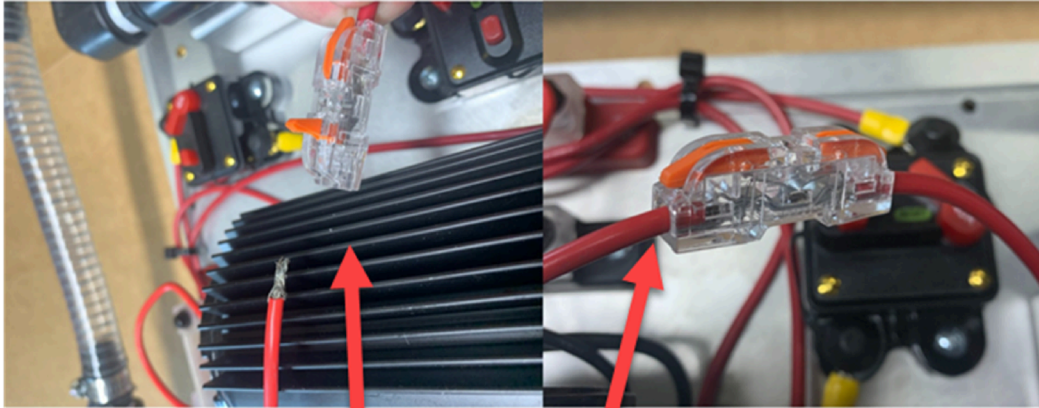
The Mixing system is mounted on a plate that resides under the reel



Note: there may be small changes in the system configurations based upon parts availability.

Note:

The pumps are setup for easy replacement with Quick Connect wire connectors and post mounted pumps, the captive nuts are easily removed to release the pump from the plate.



Lift the orange tab to disconnect the QC

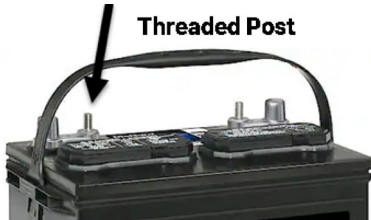
Push the wire in until it stops then close the tab

(QC Wire Connections for Pump Replacement)

Now

Install your battery into the skid

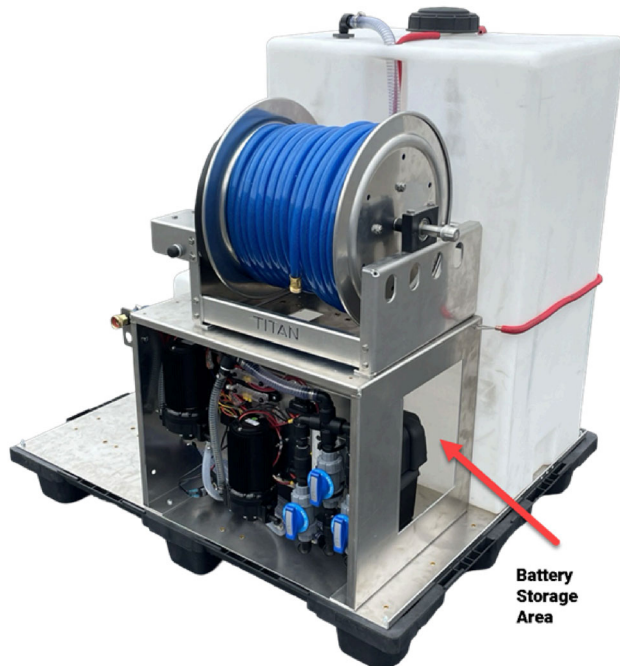
The battery should be a deep cycle 100amp hour or larger battery and should have nuts or wingnuts and a threaded post for attaching the cables.



If your battery does not then use a terminal adapter like this:



Connect the red Wire to Red post on the battery and the Black to Black



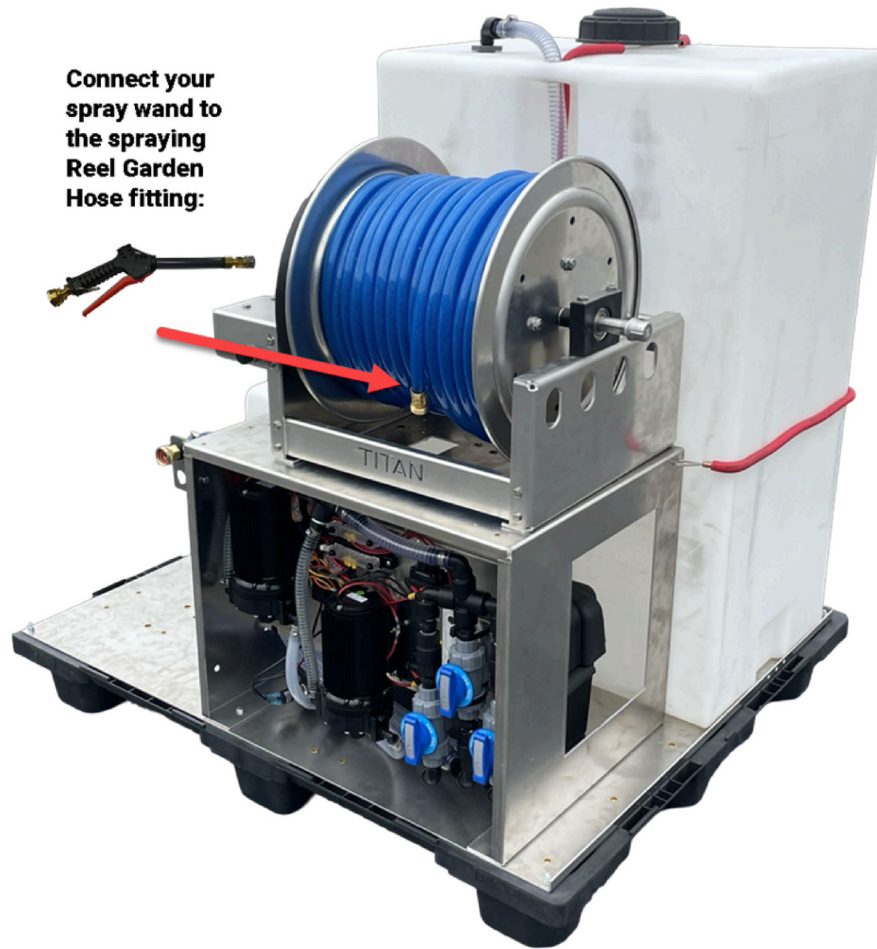
Use a battery charger to charge the battery

We recommend a charger that can charge at least 10 amps per hour at 12v.

Or have the skid integrated into the vehicle charging system with a battery isolator kit

Note these are commonly installed a trailer supply or truck hitch installation shop in town.

Battery Connected we can now attach the Softwash Trigger Gun to the hose on the reel.



**Connect your
spray wand to
the spraying
Reel Garden
Hose fitting:**

Everyday Use

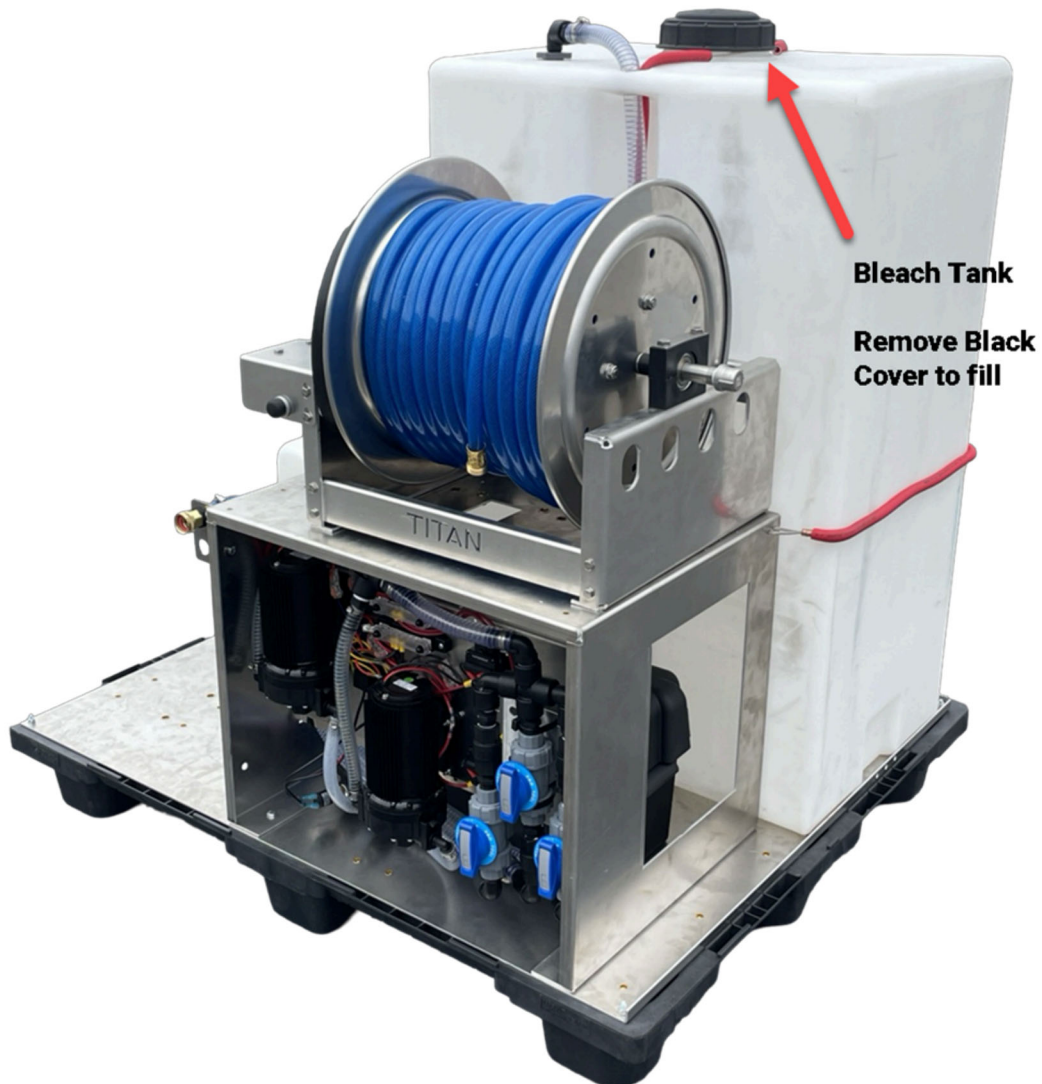
Filling the Bleach Tank:

Use a pump system to transfer bleach from a larger tank system.

Pour individual Gallon bottles into the tank.

Be sure to wear protective gloves and eye protection.

If bleach is spilled rinse away with plenty of cold water.

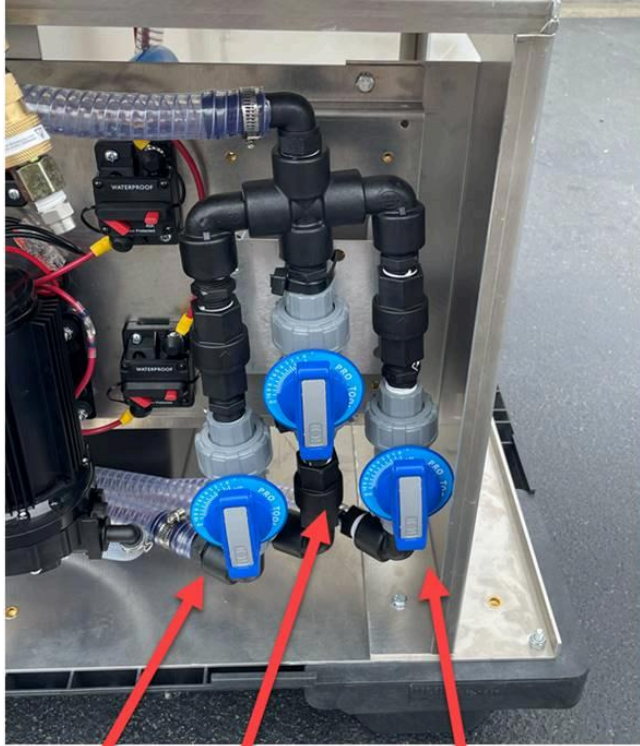


Attach the Tap Water to the input connector on the front of the Skid Spraying system
Add Surfactant to the Soap/Surfactant tank.

Note: If you are using a Super Concentrate, you might consider diluting the product 5 or 6 to one in the surfactant tank



Setting up for spraying your mix



Water SH (Bleach) Soap/Surfactant



ProTool Metering Valves Settings

Suggested mix rates:

For Dirty Roofs:

Start with

Water at **10**

SH (Bleach) at **10**

Soap at **2 or 3**

This is "hot" roof Mix.

If your Bleach is

12% this is a 6% mix

10% this is a 5% mix

6% this is a 3% mix

For non-roof surfaces we suggest that you start with

Water at: **10**

SH (Bleach) **5**

Surfactant **2**

Then adjust as needed

You will need to watch your own bleach and surfactant consumption in your mix and learn how your system mixes.

The Goal should be to set the Dial Number on the

SH and Surfactant to the lowest number AND you are still getting a quick cleaning of the organics on the surface.

Note:

If you have a weak SH batch and the mix is needs to be stronger,

(Or you just want a stronger mix)

Turn the SH dial up to 10 and then start turning the Water down from 10 to 9, 8, 7 to increase the SH percentage in the mix.

Spraying:

The system comes with two pumps each is a capable spraying pump on its own, and when used together the system provides excellent spraying and rinsing capabilities.

This is the rated flow rate of the pumps:

Flow at PSI

	20 psi	40 psi	60 psi	80 psi	90 psi
GPM	4.5	3.8	3.2	2.5	1.9

In Gallons Per Minute

This system is tested to flow 5 gpm for spraying with both pumps running into a 60 Tip.

Note: Applying your Chemistry "Mix" vs Rinsing ...

Many operators of this system prefer to apply the Chemistry Mix with only one pump operating and then rinse with the system with both pumps operating.

Controlling the Pumps

Pump 1

Pump 2

Turn on One or both pumps by pressing the red lever up into the switch

Press red post to turn off

