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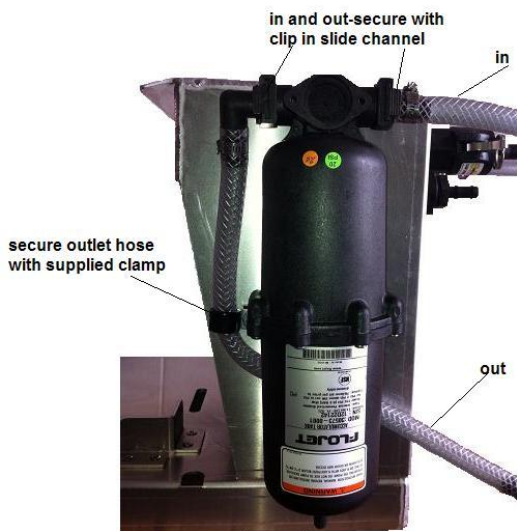
Soft wash system assembly and operating instructions:

The soft wash system is equipped with two applicator pumps that will operate independent of each other. On the panel above the battery box you will find the switches that control each pump. On the back side of the unit you will see four different connections; each pump has its own inlet and outlet. The lower sets of holes are the inlets (coupler) and the upper sets are the outlets (plug).

Each complete system will include the following accessories:

- 1 ea. soft wash system on aluminum base with battery box
- 2 ea. Banjo polypropylene cam lock couplers with 1/2" hose barb
- 2 ea. Banjo polypropylene male adaptors with 1/2" hose barb
- 1 ea. 4 nozzle holder with 0° & 25° nozzles (Gen II #30 & #50 / Gen III #40 & #60)
- 1 ea. poly trigger gun with a 1/2" barb inlet fitting
- 1 ea. Flojet accumulator, clamp, and mounting hardware
- 1 ea. 20" stainless steel lance with quick connects installed
- 2 ea. 1/2" MPT x 1/2" barb
- 2 ea. 1/2" FPT tank screen
- 8 ea. stainless steel worm gear clamps
- 1 ea. 250' 1/2" chemical hose
- 1 ea. Titan hose reel with stainless steel plumbing and mounting hardware (deluxe versions only)

Accumulator set up example



Install Accumulator:

The soft wash system comes standard with a Flojet accumulator. This may be mounted on either side of the base or remotely mounted at a location of your choosing. The accumulator does not have an in or out designated so you may plumb it in the most efficient manner for your situation. The outlet jumper hose should be secured with the enclosed vinyl coated cable and hose clamp so you do not break the poly fitting if you accidentally pull too hard on the hose.

Install Hose Reel: (deluxe version)

On the deluxe versions you will run the hose from the outlet of the accumulator directly to the hose reel. You may mount the hose reel in any location you wish just cut the appropriate length of hose from the chemical hose provided and secure it with the hose clamps provided. When connecting the hose to the reel it will be hard plumbed with the 1/2" x 1/2" barb fitting which will be installed on the hose reel inlet swivel. Be sure to use Teflon tape or some other type of pipe thread sealant on the screw in fittings. Install the second 1/2" MPT x 1/2" barb fitting on the outlet and secured with the hose clamp included. If you are mounting the reel to the twin pump base you may mount in such a manner that the handle is on either side but you will need to install the accumulator on the side below the inlet. You will install the remaining hose on the reel when finished with the assembly. (see outlet)



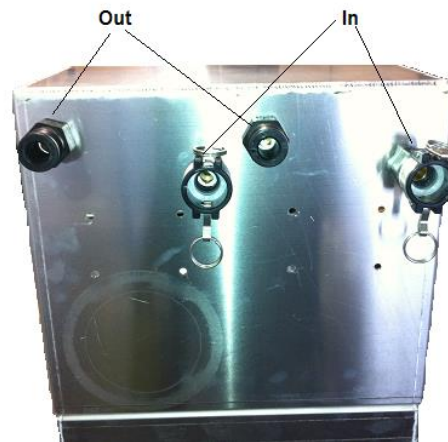
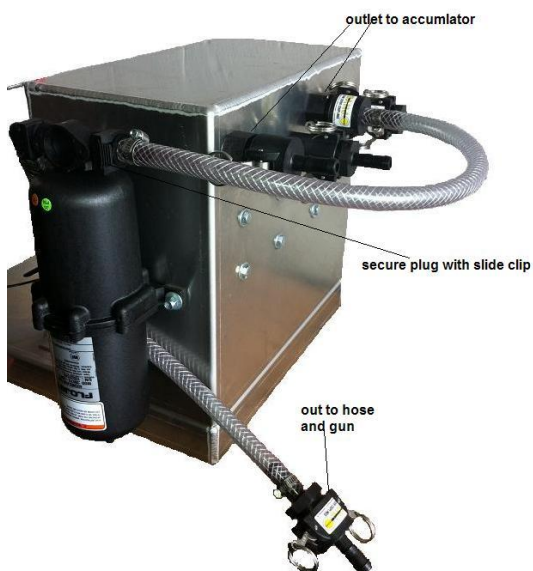
Inlet:

It is recommended (but not required) that the hoses are installed from the top of the tank to help prevent potential leak issues with seals on the tank penetrations. You can run them through the existing opening or drill two holes the diameter of the hose and feed them through to the tank. If you do drill holes you will want to apply some sealant around the hoses at the opening. You may also install a bulkhead fitting in the top of the tank and install a PVC drop tube from the fitting for a more permanent setup. Cut the appropriate length of hose from the chemical hose provided to reach from

your tank to the soft wash system. If you will be using both pumps at the same time you will make two hose assemblies, if not one may be used and switched as necessary. It is best to keep this length as short as possible, we recommend keeping it under 10 feet. Using the “male adaptor” set included with the equipment you will connect the inlet hose to the barb and secure with the provided worm gear clamps. Install the poly barbs on the inlet screens and attach them to the inlet side of the hose. No clamps are used on this end however you may wish to attach some weight to the end of the line to make sure it stays on the bottom of your tank (a small piece of PVC pipe works well).

Outlet:

Take the remaining hose and use as one length or cut to the desired lengths. Install one end of the hose to the “coupler” included and secure with the supplied worm gear clamp. On the opposite end you will install the gun and secure it with the worm gear clamp provided. For deluxe versions you may install it on the hose reel at this time.



Spray Gun:

The spray gun will come pre-assembled. To install the gun, you will attach it to the end of the hose used on the outlet and secure it with the worm gear clamp provided.



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Spray Lance:

The soft wash system comes standard with a 20" stainless steel lance. On the inlet side of the lance you will see the 1/4" FPT stainless steel plug provided. On the outlet side you will have a 1/4" FPT coupler. The use of the wand is not required but you may like the additional length when applying chemicals.

Install Battery (not provided):

Install a battery in the provided battery box connecting the black wire to the negative (-) terminal and the red wire to the positive (+) terminal. The Positive lead will have an inline fuse with a 25 amp fuse installed. While the fuse is durable it is recommended that you have spares on hand just in case. They may be purchased at just about any hardware or auto parts store. For best results we recommend a good quality deep cycle marine battery.

Operation:

Your unit is now ready for operation and you are ready to go to work. We recommend "testing" the unit with water first so that you have a better understanding of its performance. With the hoses installed turn on the switch to the appropriate pump and begin spraying. The unit will need to prime itself and remove the air from the line. You will need to squeeze the trigger to allow this air to escape. The unit is equipped with a 4-nozzle holder that includes (2) 0° & 25° nozzles. Each will provide a different application pattern and distance, so it is a good idea to see how they work prior to going to the first job. When working from a second story, or higher, it is recommended that you use the larger nozzles. The larger nozzles create less back pressure on the pumps and allow them to work more efficiently with less strain on the motors. Ideally you want the pumps to run without shutting off, if you hear them cycling on and off you should use the larger size nozzle. For high flow or high back pressure situations such as working from greater heights or when linking the pumps for high flow output the use of a 1/2" ball valve in place of the trigger gun is recommended to eliminate the additional restriction caused by the smaller opening. This will help to reduce the cycling and allow for better performance.

***To extend the life of your equipment it is recommended that you flush the pumps with water after each usage. Do not store with chemicals in the pump.**