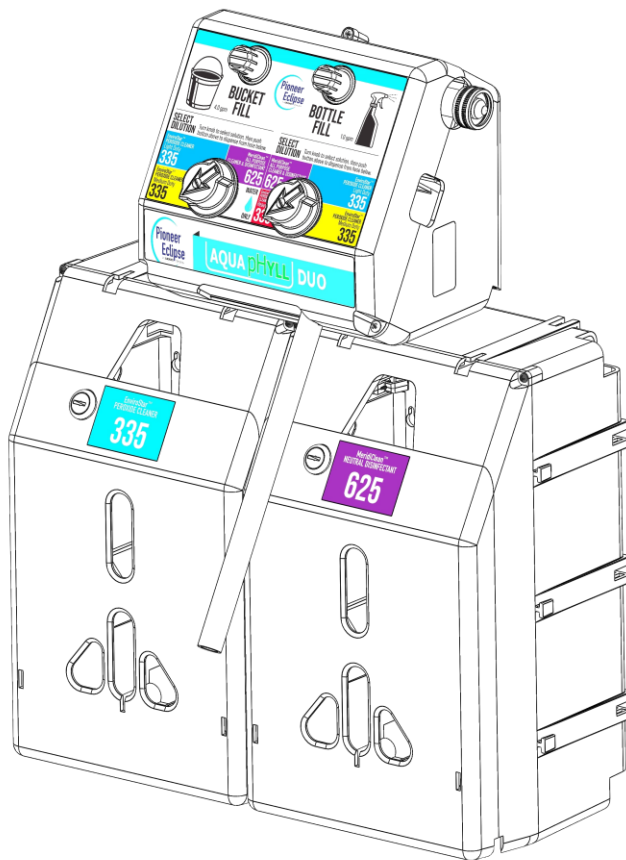


Pioneer Eclipse Aquaphyll Duo

Model: 662640



Installation and Setup Guide

The Aquaphyll Duo Dispensing System is a modular, locking dispensing system that allows the user to dispense chemicals safely and control inventory.

Warnings



All installations must conform to local plumbing codes and use approved backflow prevention devices. A pressure indicating tee is to be installed with existing faucets according to local plumbing codes in the state of Wisconsin and any other state that requires the use of a pressure indicating tee.



ALWAYS WEAR PROTECTIVE CLOTHING AND EYEWEAR WHEN WORKING WITH CHEMICAL PRODUCTS.

Parts

- Aquaphyll Duo Assembly
- Hose Hanger Assembly
- Drip Tray
- Screw & Anchor Kit
- Cabinet Lock Key
- Hinges
- Instruction Sheet

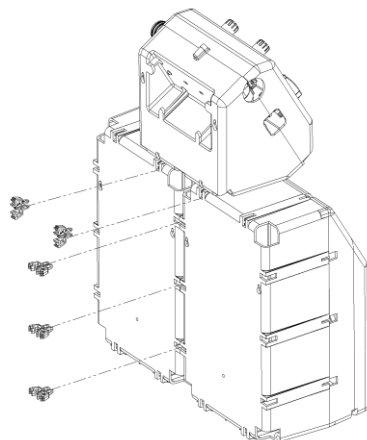
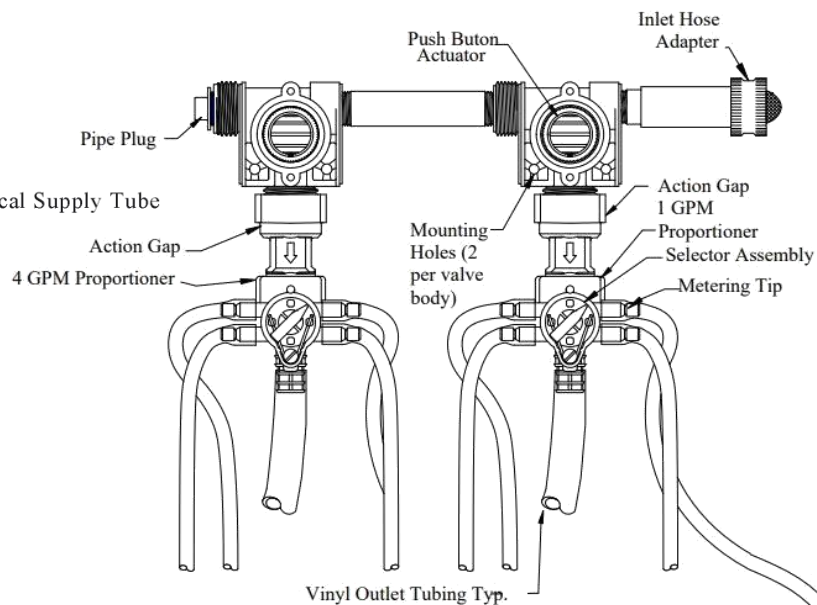
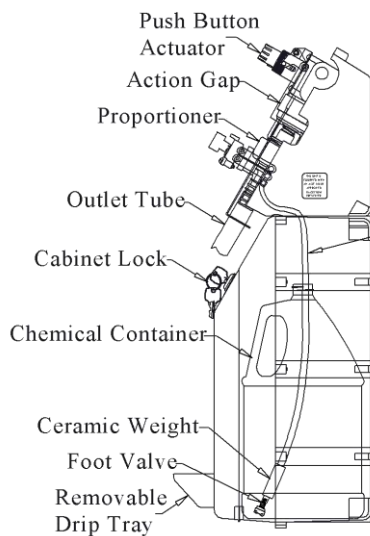
Installation



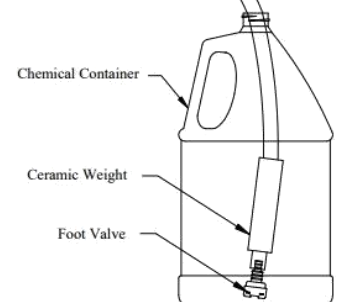
WARNING: INSTALLATION OF PIONEER ECLIPSE PRODUCTS MUST MEET ALL APPLICABLE PLUMBING CODES AND REGULATIONS ESTABLISHED BY NATIONAL, CITY, COUNTY, PARISH, PROVINCIAL OR OTHER AGENCIES. IT IS POSSIBLE THAT PLUMBING CODES AND REGULATIONS REQUIRE THAT A CERTIFIED INSTALLATION CONTRACTOR OR ENGINEER PERFORM THE PLUMBING INSTALLATION.



PRESSURE INDICATING TEE IS TO BE INSTALLED WITH EXISTING FAUCETS ACCORDING TO LOCAL PLUMBING CODES IN ANY STATE THAT REQUIRES THE USE OF A PRESSURE INDICATING TEE.



ALWAYS LIFT THE UNIT BY HOLDING THE LOWER CASES. DO NOT LIFT THE UNIT HOLDING THE UPPER 'BRAIN' CASE.



Installation Continued...

A. **MOUNTING AND WATER SUPPLY:**

1. Tape the supplied mounting template on a permanent surface to locate mounting holes:
 - a) Mounting to **Drywall**
 - i. Drill all of the holes into the drywall using a 1/4" diameter drill bit for use with the included #10 screw and anchor set.
 - ii. Insert the anchors into the drilled holes and hammer them into the wall until they are flush with face of wall.
 - iii. Assemble all of the #10 screws with a Phillips screwdriver into the anchors so the screw heads are sticking out of the wall approximately 1/2".
 - b) Mounting to **Wood**
 - i. If mounting the Aquaphyll Duo to wood and you do not plan to use the included anchors, drill 1/8" diameter holes for the screws.
 - ii. Insert screws into 1/8" diameter holes and leave approximately 1/2" of the screw exposed
2. Mount the Aquaphyll Duo by inserting the screw heads through the keyhole slots in the base and tighten the screws.
3. The water inlet is equipped with a female garden hose fitting (with strainer washer) for attaching a water supply hose.
 - a) The water inlet may be removed to permit direct connection to a 3/8" NPT pipe.
4. The unit is designed so water can be supplied to either side by interchanging the pipe plug with the pipe and female hose fitting.
5. Apply Pipe Sealant, hand tighten, and then turn 1-1/2 times with a wrench. **DO NOT OVER TIGHTEN!**



WARNING: DO NOT USE...Teflon® tape to seal internal plastic threads as the extra thickness of the tape may cause the plastic to crack. Use a non-welding liquid sealant instead. The push button valves in the top of each station are connected using a hose barb and reinforced tubing.

B. **CHEMICAL METERING ADJUSTMENT:**

1. Chemical feed rates are pre-set at the factory and should not be adjusted.

C. **OUTLET TUBING:**

1. Attach one end of the 1/2" ID tubing to the proportioner outlet barb and run the other end through the hole located at the bottom of the case.
2. Attach tubing hanger to end of tubing, to hang up when not in use.

NOTE: Do not force outlet tubing onto the larger barbs on the proportioner.

D. **DRIP TRAY:**

1. The Drip Tray is installed by simply inserting the tabs in the back of the tray into the slots in the door of the case.
2. Push tray down to secure in place.

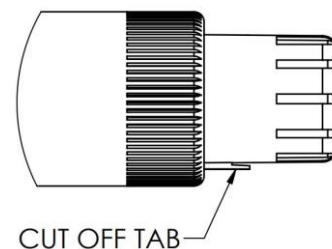
E. **DISPENSER SET-UP:**

Dispenser is pre-configured at the factory. All chemical tubing has been plumbed.

1. With keys provided, unlock and open chemical cabinet door, install each chemical at the color-coded mating cap.
2. Slowly turn water to dispenser on.
3. Prime chemical in each cabinet but pressing the activation buttons (blue and white) at top of dispenser. Chemical is primed when corresponding tubing is filled with each chemical.
4. Close cabinet doors and lock. Store keys in a safe location.

Operation

- Depressing a push button will allow water to flow through the proportioner and mix a chemical water solution at the desired ratio.
- The buttons are spring loaded to prevent accidental overflow if they are unattended, but may be converted to locking buttons by cutting off the tab at the notch (See Image)
- Pushing the button and turning it a 1/4 turn clockwise at the end of its travel allows the valve to lock on. This makes it unnecessary for the attendant to hold the button while filling large containers. Turning the button in a counterclockwise direction will release it, allowing the valve to shut off.



Servicing



Caution: Turn off water supply before servicing.

A. Proportioner fails to draw chemical:

1. Check for leaks in the system. The chemical pickup tube must be securely connected to the unit.
2. Also check that the product cap is securely connected.
3. Verify water supply pressure.
 - a. 20 PSI is the absolute minimum required for operation.

B. Proportioner stops drawing chemical:

1. Inspect chemical cap for dried chemical or dirt. Soak in hot water to clean.
2. Proportioner metering tip clogged with dried chemical. Remove tip and try injecting in hot water. If there is no suction, remove proportioner and soak in hot water to clear interior passages.
3. Inspect proportioner to ensure that there are no mineral deposit build-ups on the nozzle. If so, soak proportioner body in deliming solution. (Remove all parts attached to proportioner before soaking in deliming solution.) **Note: Use care when handling chemicals.**

C. Valve Malfunction:

1. Check that the button moves freely in & out, bottle lever moves up and down freely (select models only) and that a "click" can be heard when the button is pushed and released, indicating that the magnet is activating the plunger properly.
2. Remove cover.
3. To inspect internal parts, unscrew magnet housing and carefully pull off the enclosing tube so as not to drop the plunger, kick-off spring, and spacer.
4. Check for dirt or damage impeding plunger and kick-off spring movement.
5. Inspect the diaphragm, making sure the two small pinholes (bleed holes) in the diaphragm convolution are clear to allow the valve to close.



Caution: When servicing unit, be sure that replacement parts have been installed according to the drawing.

Specifications

- Water Temperature Rating: THE MAXIMUM TEMPERATURE ALLOWABLE IS 120° F (49° C).
- The Maximum Pressure Allowable: 85 PSI (5.9 BAR).

Warranty

Merchandise Returns

***No Merchandise will be Returned for Credit Without PIONEER ECLIPSE'S Written Permission.
Returned Merchandise Authorization Number is Required in Advance of Return.***

Product Warranty

PIONEER ECLIPSE products are warranted against defective material and workmanship under normal use and service for one year from the date of manufacture. This limited warranty does not apply to any products that have a normal life shorter than one year or failure and damage caused by chemicals, corrosion, physical abuse, or misapplication. Rubber and synthetic rubber parts such as "O"-rings, diaphragms, PVC tubing, and gaskets are considered expendable and are not covered under warranty. This warranty is extended only to the original buyer of PIONEER ECLIPSE products. If products are altered or repaired without prior approval of PIONEER ECLIPSE, this warranty is void.

Defective units or parts should be returned to the factory with transportation prepaid. If inspection shows them to be defective, they will be repaired or replaced without charge, F.O.B. factory. PIONEER ECLIPSE assumes no liability for damages. Return merchandise authorization number must be granted in advance of returned units for repair or replacement (See "Merchandise Returns" above).