



## 112529 PolyMax<sup>®</sup> H1-10 Dutch Bucket System



\*Actual system may differ.

### *PolyMax<sup>®</sup> Dutch Buckets*

*Versatile PolyMax<sup>®</sup> Dutch Buckets are ideal for both small- and large-scale hydroponic growing.*

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WARNING: Cancer and Reproductive Toxicity - P65Warnings.ca.gov

Revision date: 02.19.24

STK#	DIMENSIONS
112529	19" W x 26" H x 118" L*

\*Dimensions have been rounded and are approximate.  
Dimensions are of the frame only; they do not include  
buckets, reservoir, or drain plumbing.

# Important Information

## READ THIS DOCUMENT BEFORE YOU BEGIN TO ASSEMBLE YOUR 112529 DUTCH BUCKET SYSTEM.

This guide provides helpful hints and important information needed to safely assemble and properly maintain the 112529 PolyMax H1-10 Dutch Bucket System. Read and understand this guide before you begin.

### SAFETY PRECAUTIONS

- Apply PVC primer and cement in a well-ventilated area. Follow all instructions on containers.
- Use a portable GFCI (Ground Fault Circuit Interrupter) when working with electric power tools and cords. Use battery-powered tools if possible.
- Exercise caution when using all tools.
- Wear gloves and eye protection when drilling and cutting.

### SAMPLE ASSEMBLY PROCEDURE

The steps outlining the sample table system assembly process are as follows:

1. Verify that all parts are included in the shipment. Notify customer service for questions or concerns.
2. Read these instructions and all additional documentation included with the shipment **before** you begin.
3. Gather the tools and assistants needed to assemble the product.



**WARNING:** KEEP ALL ELECTRICAL CORDS AND CONNECTIONS OUT OF THE RESERVOIR. CONSULT THE SERVICES OF A QUALIFIED ELECTRICIAN TO ADEQUATELY AND SAFELY CONNECT THE PUMP TO A POWER SUPPLY.

ALL ELECTRICAL CIRCUITS SHALL BE DESIGNED IN ACCORDANCE WITH LOCAL AND REGIONAL BUILDING CODES AND STANDARDS.

### TOOLS

The following list identifies the tools needed to assemble the Dutch bucket system described within this guide. Additional tools and supports may be needed depending on the application.

- Tape measure and gloves.
- Marker to mark locations on PVC tubing and frame.
- Variable speed drill (cordless with extra batteries works best).
- 5/16" drill bit
- 1" and 2" hole saw bits
- Level and carpenter's square
- Wrench and ratchet and socket set.



### UNPACK AND IDENTIFY PARTS

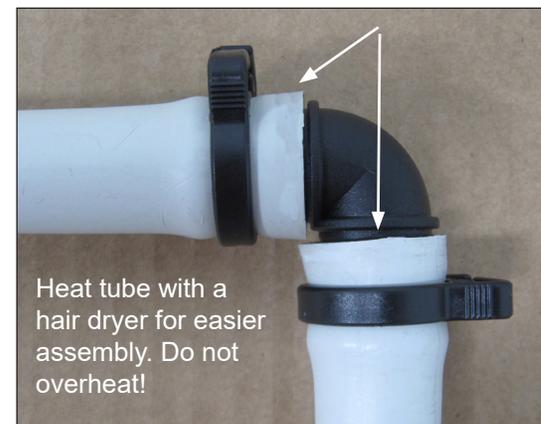
The following steps will ensure that you have all the necessary parts *before* you begin assembly.

1. Unpack the contents of the shipment and place where you can easily inventory the parts. Refer to the Bill of Materials/Spec Sheets.
2. Verify that all parts listed on the Bill of Materials/Spec Sheets are present. If anything is missing or you have questions, contact Customer Service.

### BASIC CARE AND MAINTENANCE

Proper care and maintenance of your system is important. Check the following items periodically to properly maintain your Dutch bucket system.

- Check connections and all fasteners to verify that they remain tight.
- Verify that the pump is working properly.
- Check and clean all filters to optimize performance.
- Clean the reservoir periodically to prevent unwanted contamination of solution.
- Monitor temperatures (room and solution) to maximize plant growth.



**ATTENTION:** Install all fittings so they are fully inserted into the 3/4" tubing. Use a hair dryer to gently heat the tubing for easier installation. Do not overheat!

Use pliers to gently squeeze ratchet clamps around tubing.

## Important Information

### PICTORIAL GUIDE

The following graphics and photos will help you identify the different parts of the system. Consult the Quick Start Guide for additional details and diagrams. (All parts are sold separately.)



111044  
Threaded Tee



110743  
3mm Punch



110407  
Dripper Stake



WF1023 Filter (1)



111698 Ratchet Clamp



Plastic Pipe & Tube Cutter



109260 Air Stone



110725  
Air Pump



110721  
Utility Pump



110091 Clear Vinyl Tubing



112531 Heavy Duty Timer (1)



110408  
1/8" White Polyethylene Tubing



111627  
3/4" White Polyethylene Tubing



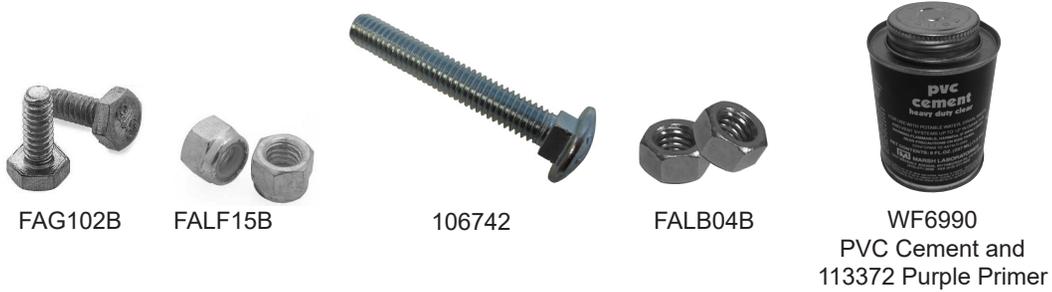
Dutch Bucket  
\*Color may vary



Siphon Elbow

# Important Information

## PICTORIAL PARTS GUIDE—CONTINUED



### PVC PRIMER & CEMENT

Follow all directions printed on pvc primer and cement containers. **Purple color of primer does not fade!** Use caution during application to reduce spills and over application at joints. **Prime all joints before assembly.**



**ATTENTION:** Reservoir and lid style shown throughout this guide may vary. When needed, critical dimensions are noted for hole locations.



111049 Perlite

# Assembly Instructions

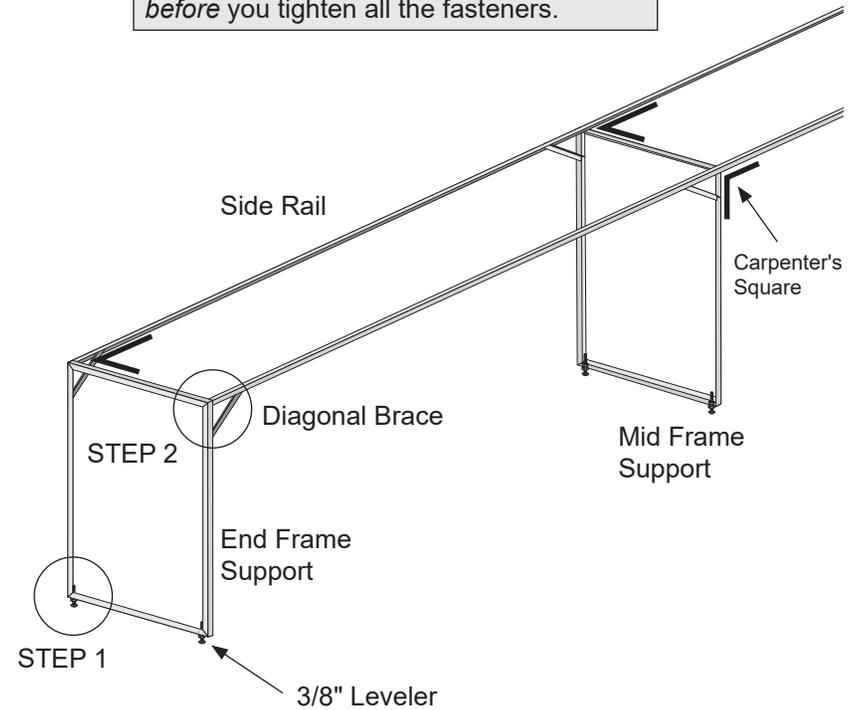
# 1

## ASSEMBLE TABLE FRAME

Required Parts:

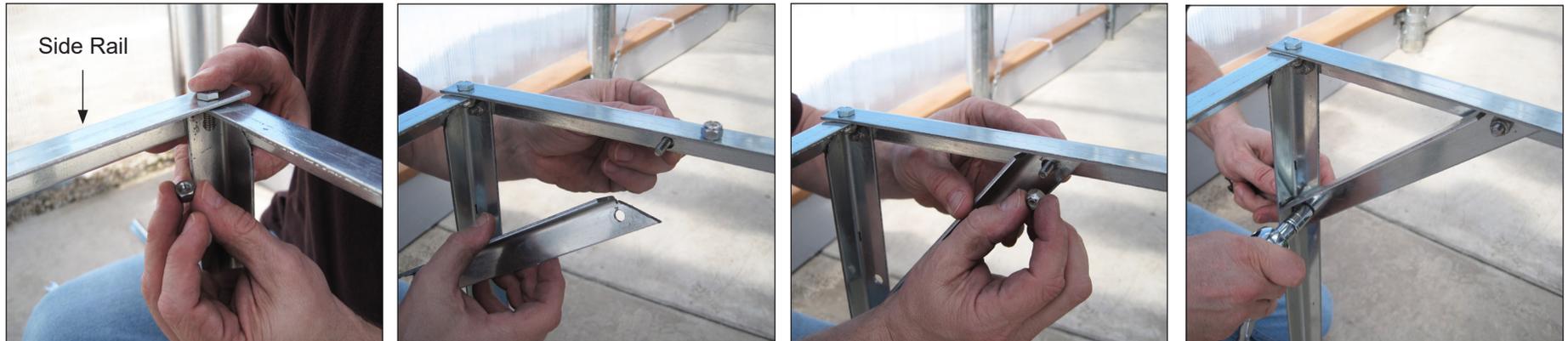
- FALB04B 3/8" nuts (12) and 106742 3/8" x 2-1/2" carriage bolts (6)
- FAG102B 1/4" x 3/4" bolts (18) and FALF15B 1/4" lock nuts (18)
- 112529VFRM: Frame End and Mid Supports (3)
- 112529HANG: Frame Side Rails (2)
- 112529NBRC: Diagonal Brace (6)

**ATTENTION:** Use a carpenter's square to square the frame during assembly and before you tighten all the fasteners.



**STEP 1:** Install 3/8" x 2-1/2" leveler bolts as shown. Do not tighten at this time.

**STEP 2:** Attach side rails to end and mid frame supports using the 1/4" x 3/4" bolts and 1/4" lock nuts. Position rails on top of the end and mid frame supports. Finish the frame assembly by installing all diagonal braces using the same 1/4" fasteners. Tighten all nuts until snug.



## 2

### INSTALL 1-1/2" DRAIN TUBE CLAMPS

Complete these steps:

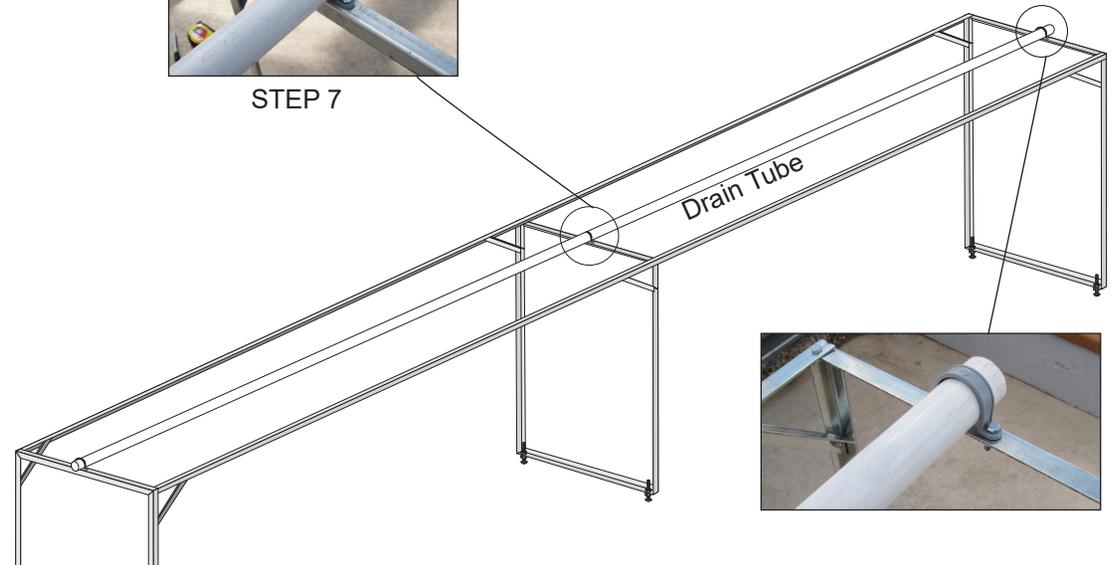
1. Locate and mark the center at each end of the frame.
2. Center the WF4140 tube on the mark and place the FAPA14 pipe clamp over the tube. Align the pipe clamp with the outside edge of the frame to prevent conflicts with the Dutch bucket at each end.
3. Hold the assembly steady and mark the bolt hole locations on the top of the end frame support.
4. Using a drill and 5/16" bit, drill the two (2) mounting holes for the clamp.
5. Take the 1/4" fasteners and attach the clamp. Do not fully tighten these bolts at this time. PVC tube should slide into the clamp.
6. Move to the opposite end of the frame and repeat the steps to install that clamp.
7. Finally, install the center pipe clamp using the above steps as a guide. Center this clamp on the frame member.
8. Continue with the next procedure.

#### Required Parts:

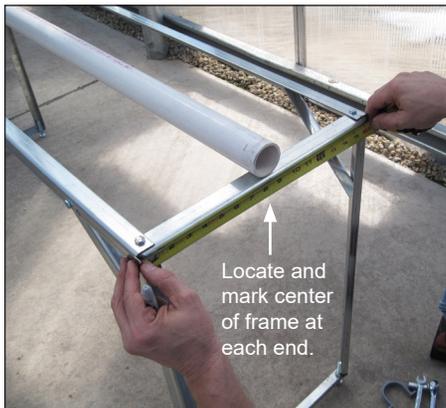
- WF4140 PVC tube (1) and FAPA14 pipe clamp for 1-1/2" PVC
- FAG102B 1/4" x 3/4" bolts (6) and FALF15B 1/4" lock nuts (6)



STEP 7



STEP 1



STEPS 2 & 3



STEP 4



STEP 5



## 3

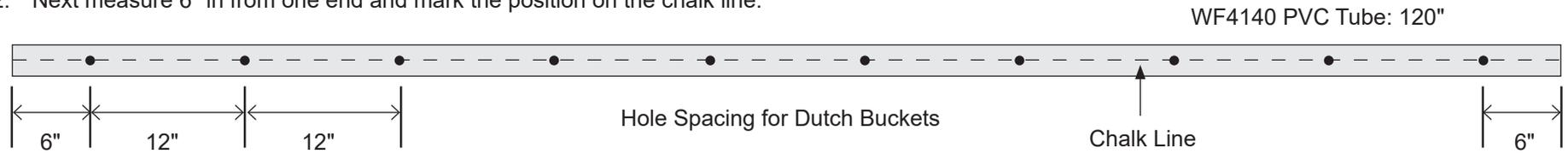
### MARK AND DRILL BUCKET DRAIN HOLES

#### Required Tools:

- Drill with a 1" hole saw. Example shows using a step bit. Keep holes aligned and uniform.
- Marker, chalk line, and tape measure

Complete these steps:

1. With the drain tube in place on the frame, snap a chalk line from end-to-end along the top of the drain tube.
2. Next measure 6" in from one end and mark the position on the chalk line.



3. From the 6" line measure 12" and mark that position.
4. Continue marking hole locations at 12" intervals until you reach the end of the tube. There will be ten (10) hole locations in all—one for each Dutch bucket.
5. Take a 1" hole saw and drill the 10 drain holes in the pvc drain tube. Keep all holes aligned and centered on the chalk line.



6. Remove the tube from the frame and clean all debris from the drain tube and from around the drain holes.
7. Slide the tube through the clamps and into position on the frame and add the buckets. Adjust the tube as needed to allow the end buckets to set on the side rails of the frame. See photo above.
8. Continue with the next procedure.

## 4

### ASSEMBLE AND INSTALL SIPHON ELBOWS

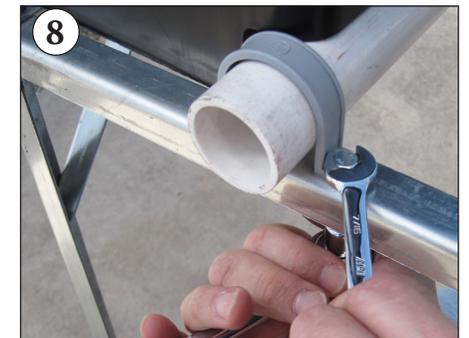
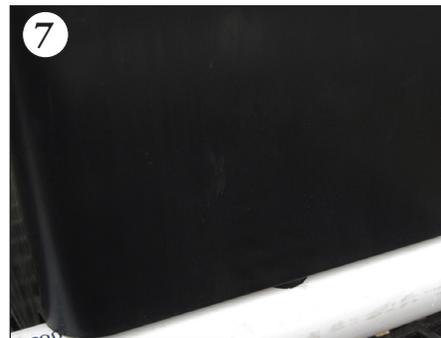


Siphon Elbow



Complete these steps:

1. Assemble the siphon elbows as shown. Two (2) elbows are used for each assembly.
2. Take the elbow assembly and install one inside each Dutch bucket.
3. Check bucket position on the frame and verify that each bucket drain nipple is inserted in the drain hole of the pvc drain tube.
4. Return to and tighten all pipe clamp mounting bolts to secure the drain tube and to lock buckets in place. Tighten bolts until snug. *Do not overtighten bolts.* Doing so will damage the clamps.
5. Continue with the next procedure.



## 5

### ASSEMBLE FILTER AND RELATED FITTINGS

Complete these steps:

1. First remove the WF1023 filter cap and replace it with the 112066 shut-off valve. Tape the filter threads before installation. Tighten valve until snug.
2. Take the WR1095 thread tape and wrap the threads of each component four or five times. Apply tape in a direction that prevents unwrapping during assembly.
3. Assemble the filter and related fittings as shown. Tighten each connection by gently gripping the coupling with a pair of adjustable pliers and turning the adapter using an adjustable wrench or similar wrench. Tighten until snug. Do not overtighten and do not crush fittings.
4. Gently squeeze all ratchet clamps around tube connections using a pair of pliers.
5. Continue with the assembly of the pump and supply tube.



WR1095  
Tape



WF1970



111074



WF1023 Filter (1)



WF3411



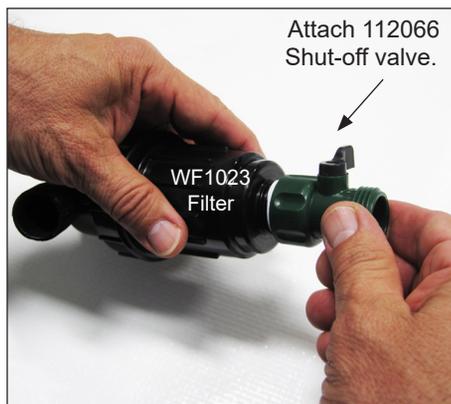
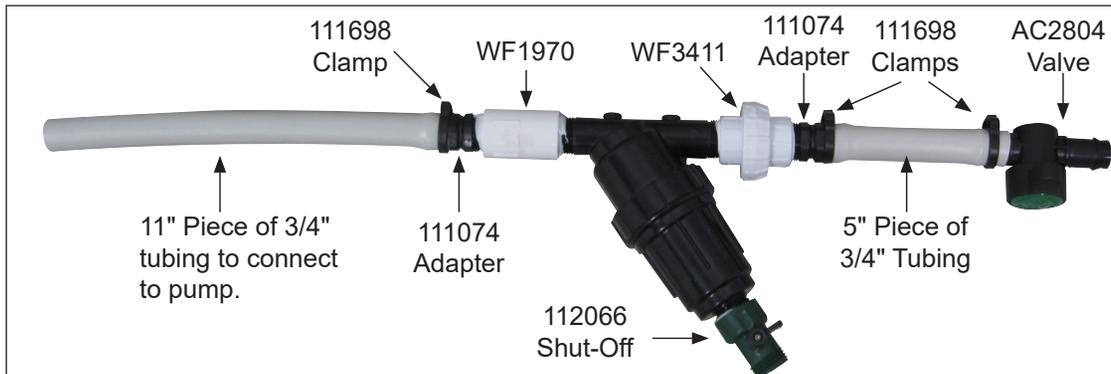
111698  
Ratchet Clamp



112066 (1) Shut-off to attach to WF1023 filter.



AC2804



## 6

### DRILL HOLES IN RESERVOIR COVER

#### Drill 2" Drain Tube Hole

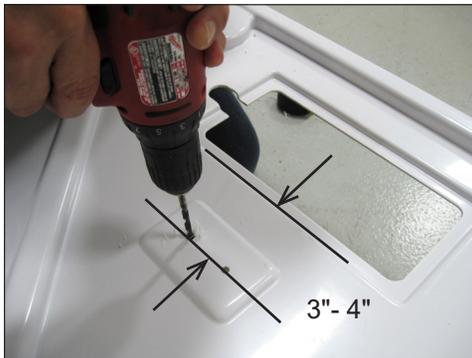
1. Position the reservoir under the Dutch bucket frame and determine in which corner you want to drill the drain tube hole in the cover.
2. Remove the cover from the reservoir and drill the drain hole in the corner using a 2" hole saw. Do not drill cover over the reservoir. Debris will damage the pump and clog the filter.

#### Drill 1" Supply Tube Hole

1. Using a 1" hole saw, drill the hole for the 3/4" supply tube from the pump. Drill this hole at the edge of the port hole opposite the drain tube hole. See the X's in the photo to the right.
2. Carefully remove the cover material between the port hole and the 1" hole using a hand saw.

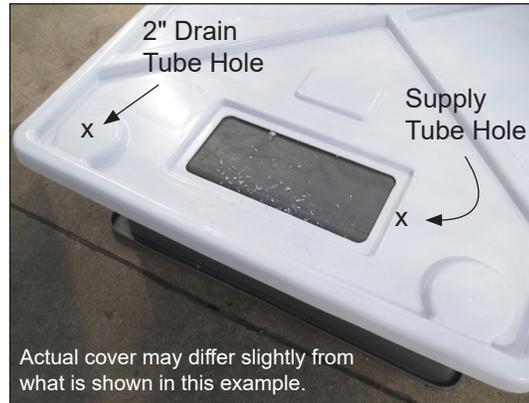
#### Drill 5/16" Holes for the Air Pump Tubing

1. Take a 5/16" drill bit and drill two holes 2" apart through cover. See photo below for location.



2. Remove all debris from the cover and around all holes to prevent it from dropping into the reservoir when cover is set in place.

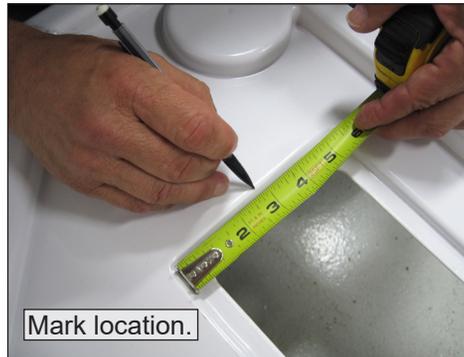
#### Drill 2" Drain Tube Hole



Actual cover may differ slightly from what is shown in this example.

**ATTENTION:** X marks hole locations based on reservoir design and position. Drill one 2" drain tube hole and one 1" supply tube hole. Always space holes apart as shown. If 2" drain hole position is the other corner, drill the 1" supply tube hole on the opposite side of the port hole.

#### Drill 1" Supply Hole



Move cover off reservoir. Place on support to drill the 2" drain hole.

**ATTENTION:** Reservoir and lid style shown throughout this guide may vary. When needed, critical dimensions are noted for hole locations.



# Assembly Instructions

# 7

## ASSEMBLE PUMP AND SUPPLY TUBE

Complete these steps:

1. Take the filter assembly from Procedure 5 and attach it to the 110721 water pump. Consult the documentation supplied with the pump to properly select and install the tube fitting and related seal. Secure the 3/4" tube to the pump fitting using a 111698 ratchet clamp. Slide the clamp onto the tube before sliding the tube onto the pump fitting. Gently squeeze clamp using pliers.
2. Set the pump and filter assembly into the reservoir.
3. Move to the top of the assembly and measure the tube length needed to reach approximately 1/2" to 1" above the top of the Dutch bucket. Cut a section of 3/4" tube to that length.



4. Take two clamps and one 110729 elbow and assemble as shown above.

5. Measure and cut a section of 3/4" tube to reach from the pump and filter assembly to the end of the Dutch bucket frame. Tube will run across the tops of the buckets. Attach tube to the elbow and secure with a ratchet clamp. Ensure tube is fully installed to prevent leaks.
6. Move to the open end of the long 3/4" supply tube and install a AC2804 in line valve. Secure with one ratchet clamp.
7. Continue with the next procedure.



## 8

### ASSEMBLE AND INSTALL DRAIN MANIFOLD

Use the photos below to assemble the drain manifold. Read these notes before you continue.

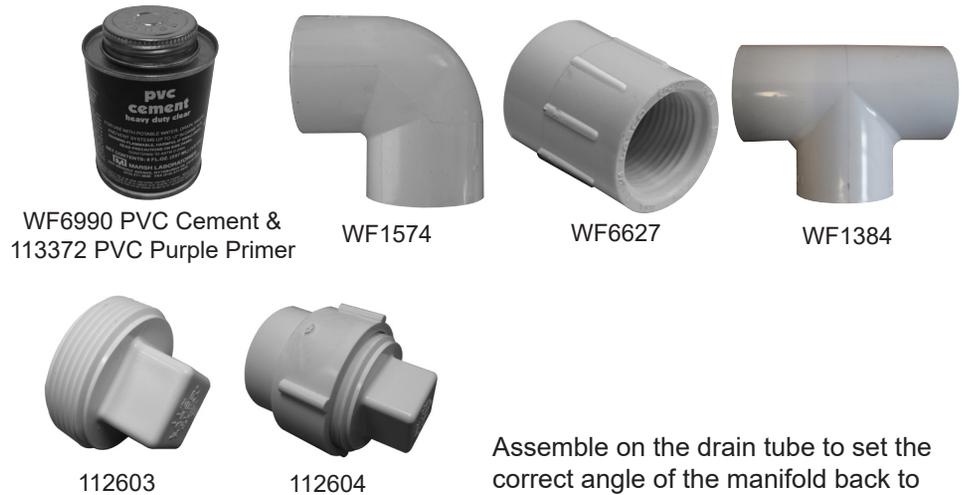
- A five (5') section of pvc is included to construct this manifold.
- Length of each pvc tube depends on the position of the reservoir and frame.
- Dry fit all connections before applying pvc primer and pvc cement. Apply cement only as directed to allow for cover removal. *Do not cement the short tube that extends from final elbow to reservoir.* This allows for cover removal and reservoir maintenance.
- Manifold will drain through the hole drilled in the cover—Procedure 6.
- Remove the plugs to periodically clean the drain tube.

**ATTENTION:** Dimensions for tube sections are not provided to allow for minor adjustments in reservoir position. A five foot (5') section of pvc tube is included for this manifold.

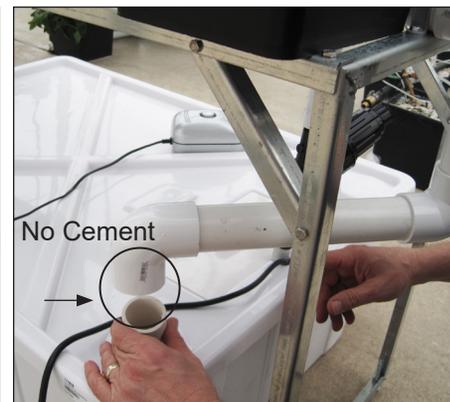
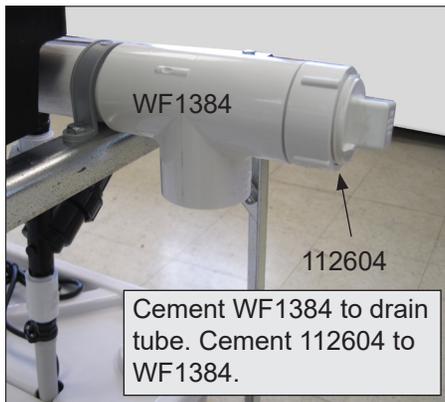
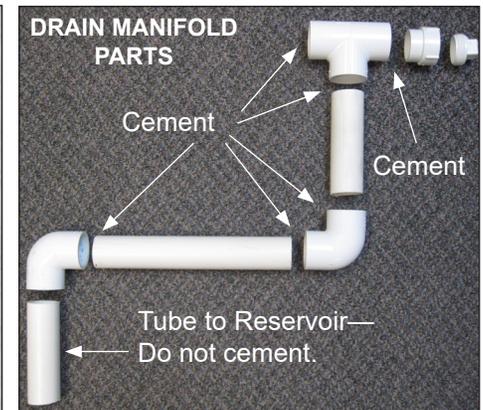
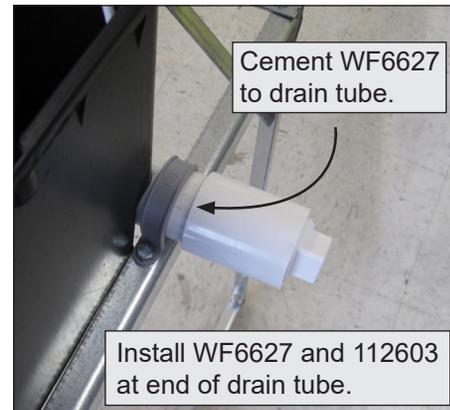
**DRY FIT ALL FITTINGS BEFORE YOU APPLY CEMENT!**

Set reservoir in the desired position. Estimate length of tubes and fit together.

Dry fit all pieces to get the best fit. Do not apply cement until all pieces are cut and ready to slide together.



Assemble on the drain tube to set the correct angle of the manifold back to the reservoir drain hole.

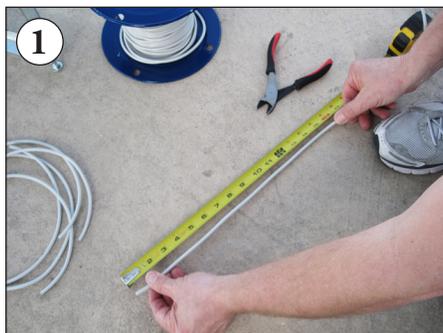


## 9

### PREPARE AND INSTALL IRRIGATION LINES

Complete these steps:

1. Use the plastic pipe and tube cutter to cut twenty (20) 16" irrigation lines—two (2) for each bucket.
2. Gently push one 16" line onto each 110407 dripper stake. Wet the line end for easier assembly. Dripper ends are fragile. Be careful not to bend or break the dripper.
3. Twist two (2) irrigation lines onto each 111044 threaded tee bar.
4. Move to the horizontal supply tube that runs the length of the frame and punch one hole in the tube at each bucket position. Align hole with the center of each bucket when possible.
5. Carefully grip one barb and irrigation line assembly with a pair of clean pliers and push it into one of the holes. While still holding the assembly, gently pull back (as if to remove the barb) to seat the barb in the supply tube. **DO NOT PULL THE BARB OUT OF THE TUBE!**
6. Repeat to install all remaining irrigation line assemblies.



## 10

**ATTENTION:** Always position the air pump *above* the reservoir/water level to prevent siphoning of the reservoir.

### ATTACH THE AIR PUMP AND AERATOR STONES

For optimal system performance and to extend the life of the nutrient solution through increased oxygenation, an aerator pump and aerator stones are included. Position stones at the bottom of the reservoir opposite the water pump. *Air pump must remain above nutrient level to prevent siphoning.*

1. Choose a position for the air pump and use it to determine the length of each air tube. Cut two air tubes from the 110091 tubing.

**ATTENTION:** Position the air pump at a level that is *above the reservoir at all times to prevent siphoning* of the nutrient solution from the reservoir.

2. Attach one stone to each line and set the stones in the reservoir. See photo for stone position opposite the water pump.
3. Place the reservoir cover on the reservoir and feed the tubing up through the access holes and connect the free end of each tube to the air pump.



4. Place the air pump in the position chosen in Step 1.
5. Connect the air pump to power and test the operation. Verify that air is filtering through each air stone. Monitor the air pump regularly to ensure proper operation of the aerator system.

**NOTE:** When the system is fully operational, the air pump will run continuously. *Do not connect the air pump to any circuit controlled by a timer or shutoff switch.*

6. After testing air flow, turn off the aerator pump until the system is fully functional.



# OPERATIONAL AND MAINTENANCE INFORMATION

## General Operating Instructions

After assembling the 112529 Dutch bucket system, take a few minutes to check the system. Complete these steps.

1. Verify that all electrical cord ends are outside the reservoir.
2. Place all dripper stakes inside a Dutch bucket and verify that all bucket drain nipples are inside a drain tube hole.
3. Fill the reservoir with a few inches of water to cover the pump.
4. Plug the water and air pump power cords into an GFCI (Ground Fault Circuit Interrupter) outlet. Both pumps should turn on.



**WARNING:** KEEP ALL ELECTRICAL CORDS AND CONNECTIONS OUT OF THE RESERVOIR. CONSULT THE SERVICES OF A QUALIFIED ELECTRICIAN TO ADEQUATELY AND SAFELY CONNECT THE PUMPS TO A POWER SUPPLY.

ALL ELECTRICAL CIRCUITS SHALL BE DESIGNED IN ACCORDANCE WITH LOCAL AND REGIONAL BUILDING CODES AND STANDARDS.

5. Check each Dutch bucket to ensure that water is dripping from each dripper stake.
  6. Check all plumbing connections—supply and drain tubes—for leaks.
  7. Allow the pump to operate until water is running through the drain tube and back to the reservoir. Check all pvc fittings for leaks.
- NOTE:** Use the 3/8" x 2 1/2" levelers of the table frame to set a slight slope toward the reservoir if needed.
8. Look for bubbles in the reservoir to verify that the air is pumping to each air stone. Remember to always mount the air pump on a surface that is above the water level. Vibrations of the pump can cause it to move. Make sure the pump does not fall into the reservoir or other liquids.
  9. Once the system has been checked and all adjustments are made, it is ready for use.

## General Cleaning and Maintenance Instructions

For optimal performance and to increase yields, check and clean the Dutch bucket system periodically. Time between maintenance and cleaning depends on the growing environment and specific use of the system. Apply the following steps as needed to ensure that your system is working properly.

1. Inspect the frame and mounting bolts to ensure bolts are tight and frame is not damaged. Verify that levelers are locked in place and that the table is level at the ends with a slight slope toward the drain end of the drain tube.
2. Disconnect the main power supply to turn off all pumps. Remove the reservoir cover and inspect the inside of the reservoir. Reservoir should be cleaned each time the nutrient solution is changed. Keep the porthole cover in place during operation to prevent light from entering the reservoir.
3. Check all plumbing and irrigation connections to ensure that all are operating as designed.
4. Replace worn or cracked irrigation lines and barbs as needed.
5. Clean the drain tube if needed. Remove the end plugs and inspect the inside of the tube. Reroute the drain tube so it does not empty into the reservoir and then clean the drain tube by pulling a brush or cloth through the tube. Rinse with clean water and reposition the drain tube for operation.

**NOTE:** Do not allow debris from the drain tube to contaminate the contents of the reservoir.

6. With the pump off, disassemble the filter and clean the screen and housing. Reassemble for use.

## USING THE 112531 TIMER

The 112531 timer allows for a variety of settings to control the water pump of your Dutch bucket system.

Consult the guide supplied with the 112531 timer for installation, use, programming, and troubleshooting details.

**NOTE:** Do not connect the air pump to the timer. Air pump must run continuously for best results.



112531 Heavy  
Duty Timer

## OPERATIONAL AND MAINTENANCE INFORMATION

### RESERVOIR CLEANING AND MAINTENANCE

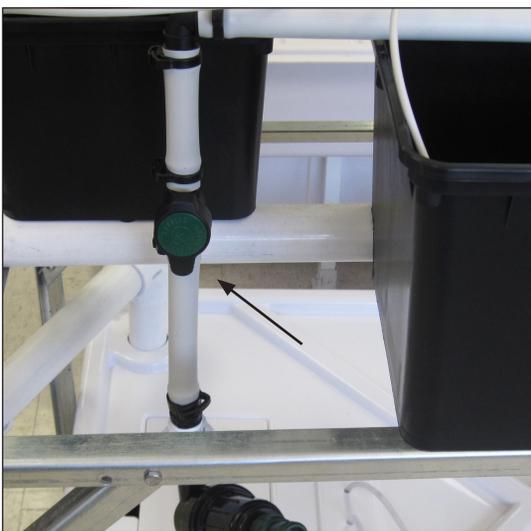
Clean the reservoir periodically to maximize plant growth and to minimize system contamination. The steps that follow can be used to change nutrient solution and to pump the reservoir for cleaning and typical maintenance.



112066 (1) Shut-off to attach to WF1023 filter.



1. First, turn off water and air pumps, remove filter cap, and install the 112066 shut-off valve. Wrap filter threads with thread tape before installation. Skip this step if valve is installed.
2. Close the in-line valve above the pump.



3. To empty the reservoir, attach a garden hose to the 112066 shut-off valve on the filter.



4. Place end of hose in a container to dispose of nutrient solution and open the 112066 shut-off valve.



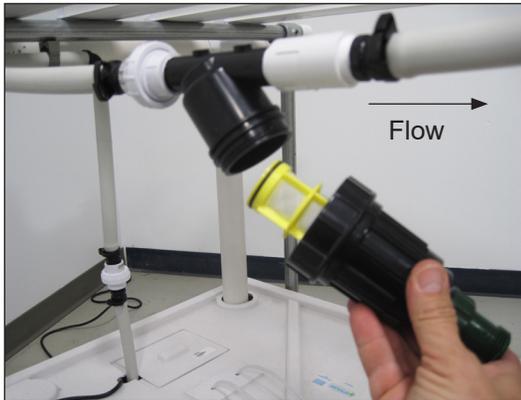
5. Turn water pump on and pump out reservoir solution.
6. Once the reservoir is empty, turn off the pump and clean the reservoir and the filter. See next page for filter cleaning steps.
7. Close the shut-off filter, disconnect the garden hose, and refill the reservoir with nutrient solution.
8. Open the in-line valve. See Step 2.
9. Turn on the pumps and check all supply tubes to Dutch buckets to ensure they are not clogged.

## OPERATIONAL AND MAINTENANCE INFORMATION

### Clean the Filter Screen and Housing

Regular cleaning of the filter is recommended to ensure proper flow. Filter should also be cleaned after cleaning the reservoir to remove sediment. When a reduced flow rate is noticed, follow these steps to clean the filter and filter housing.

**ATTENTION:** SYSTEM SHOWN MAY DIFFER FROM ACTUAL SYSTEM. FILTER ASSEMBLY IS THE SAME. STEPS FOR CLEANING THE FILTER ARE THE SAME.



1. Turn off the nutrient pump.
2. Grip the filter housing and the main supply line and unscrew the housing. Do not apply force to the filter or the supply line fittings. Hold these steady when disassembling the filter.



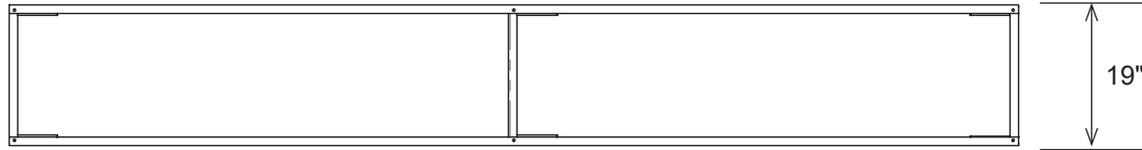
3. Remove the screen from the housing. Using clean water, rinse the housing and the screen.



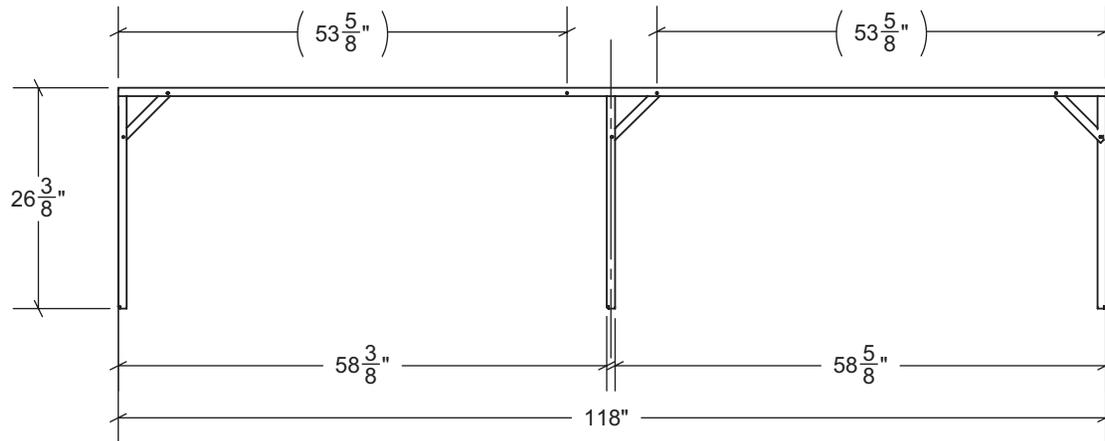
4. Insert the screen back into the housing, reassemble the filter, and *close the valve*.
5. Turn on the pump and check the flow from the supply tubes to each bucket.
6. Check filter for leaks.

# ADDITIONAL PHOTOS AND DIAGRAMS

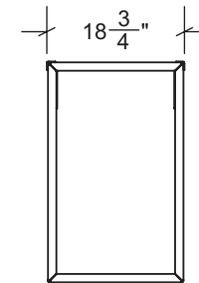
**ATTENTION:** Actual dimensions will vary slightly. Frame has been manufactured using tolerances that allow for easier assembly.



TOP VIEW

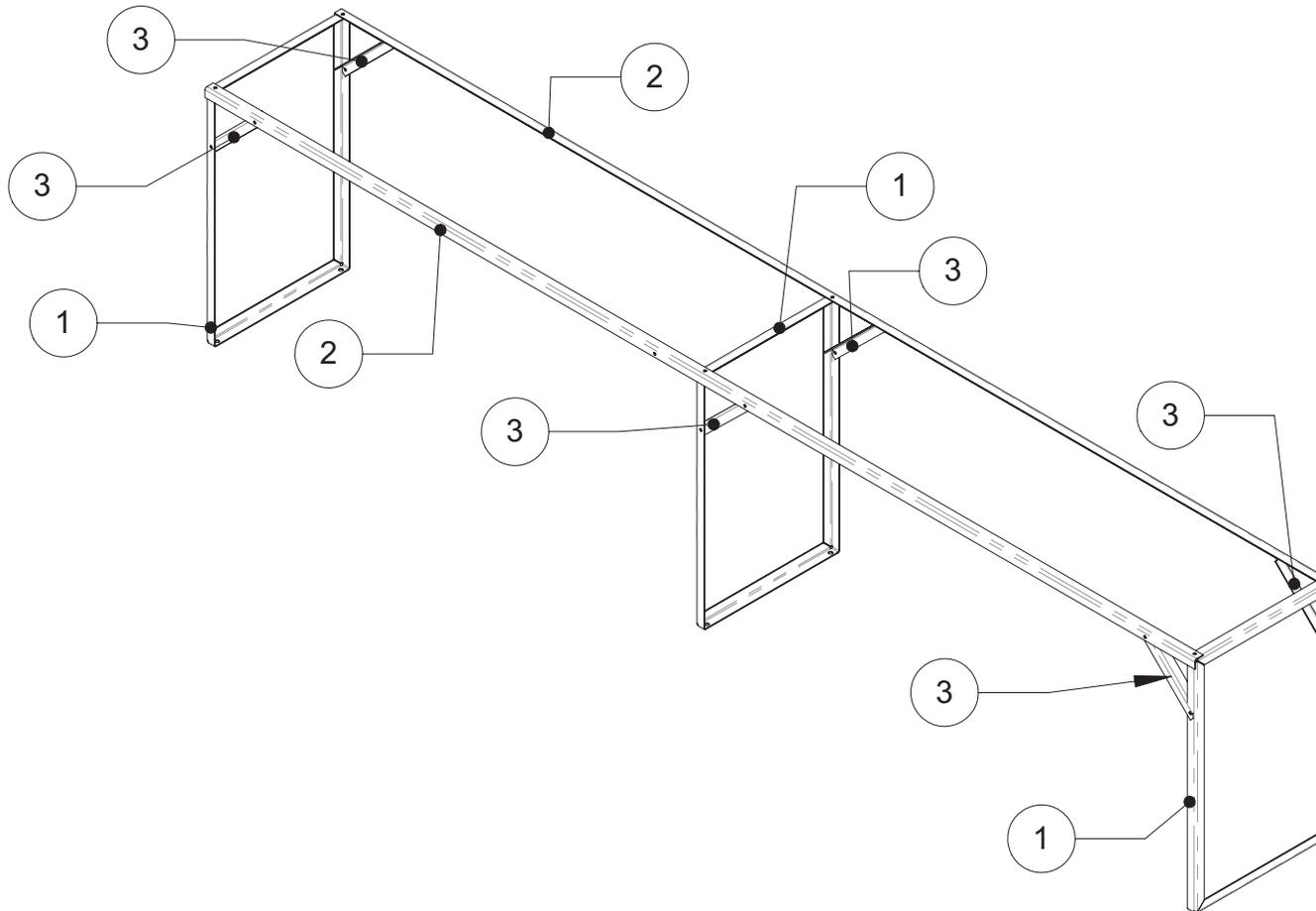


SIDE VIEW



END VIEW

# ADDITIONAL PHOTOS AND DIAGRAMS



Item #	Part #	Description	Quantity
1	112259VFRM	END FRAME AND MID FRAME SUPPORT	3
2	112529HANG	FRAME SIDE RAIL	2
3	112529NBRC	DIAGONAL BRACES	6

## ADDITIONAL PHOTOS AND DIAGRAMS

These frame photos are included to provide additional assembly information.



Photo above shows side rail and end support.



During assembly, position side rail on top of all end and mid frame supports. Photo below shows diagonal brace.



Photo above shows end support with installed diagonal braces and side rails.

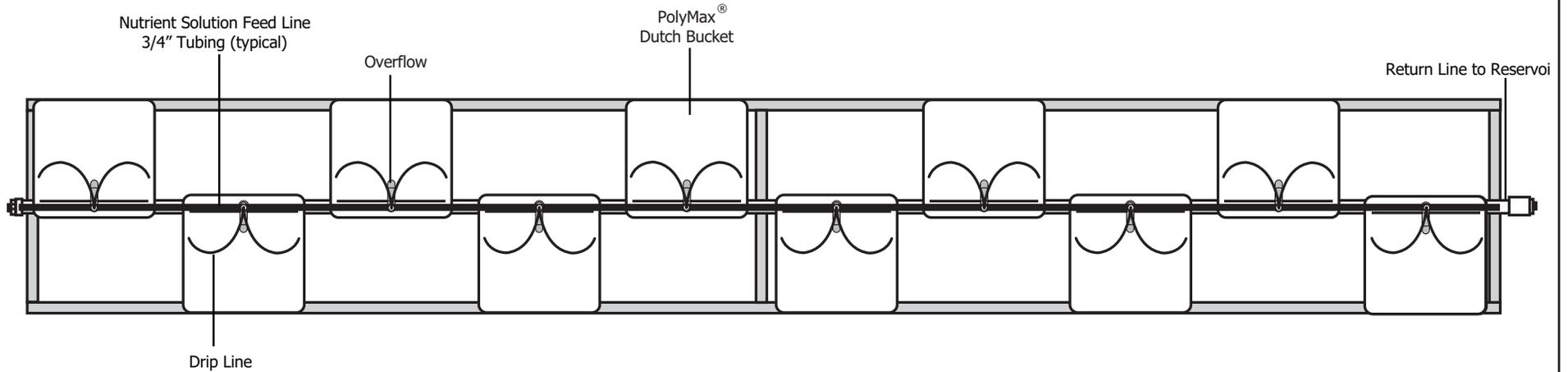


Use levelers to adjust frame slope and account for slight variations in the floor.

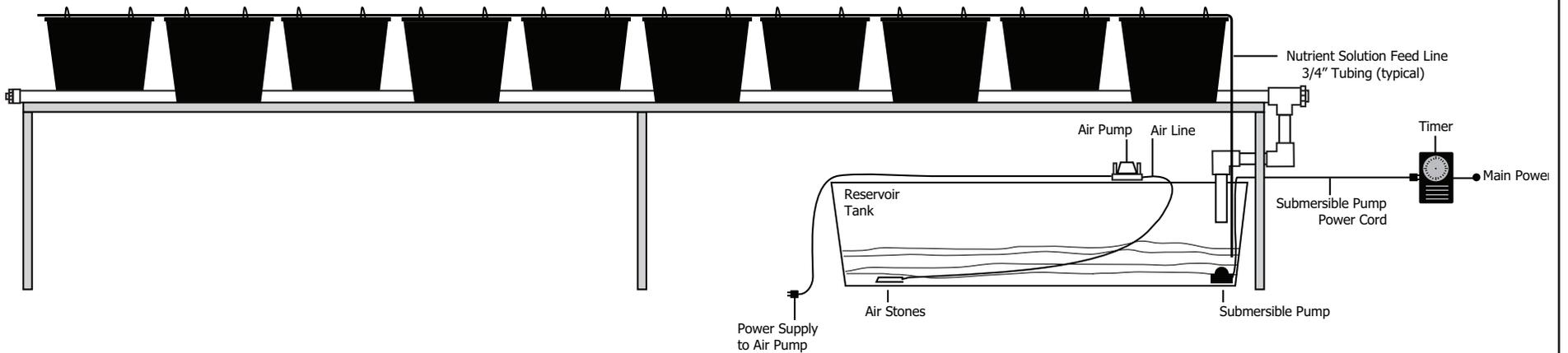
If system is sitting on crushed rock or soil, take additional steps to ensure that frame is stable and level.

# ADDITIONAL PHOTOS AND DIAGRAMS

## TOP VIEW



## SIDE VIEW



**IMPORTANT:** Install air pump **above** the solution level in the reservoir.

## ADDITIONAL PHOTOS AND DIAGRAMS



# ADDITIONAL INFORMATION

## DRIPPER STAKES—GETTING STARTED

The easy-to-use 110407 stakes are perfect for even and consistent nutrient delivery.

After filling the buckets with the selected growing medium, determine what nutrient solution is needed for your plants and mix this according to the instructions on the mixture. Mixture will be specific to system, the reservoir size, and the plants grown.

**ATTENTION:** Water quality affects the nutrient solution. Testing the water supply is strongly recommended *before* you mix the nutrient solution. In some instances and for best results, it may be necessary to treat the water supply. Consult the services of a water quality professional to determine the condition of the water and how to treat it (if necessary) *before* you begin.

Add your desired plants to the buckets.

Set the stakes inside each bucket and turn on the circulation pump. Check each stake to ensure that water flows freely from each. Turn off the pump.

Gently push the stake into the growing medium.



## OPTIONAL ACCESSORIES—ADDITIONAL PURCHASE REQUIRED

### OPTIONAL ACCESSORIES\*

Depending on the plant and application, using 110010 Tomato RollerHook® Assemblies and the 110006 or 110007 clips can save time and labor.

The RollerHook® components are easily assembled by slipping the spool between the wire ends of the hanger. Position the spool so the lock is next to the lowest part of the wire spring. See the photos below.

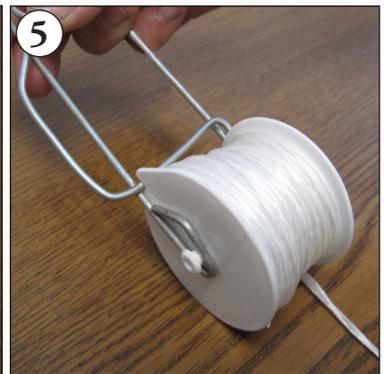
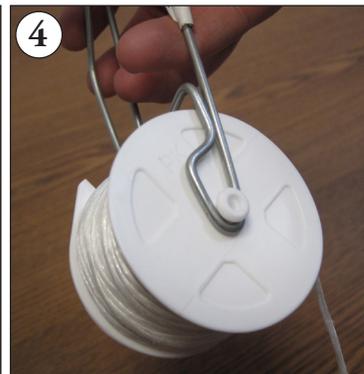
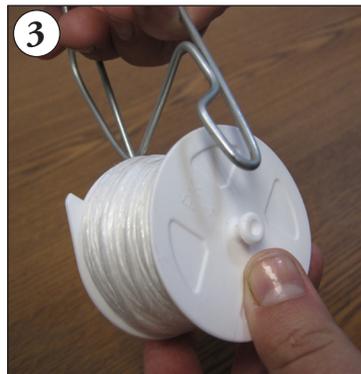
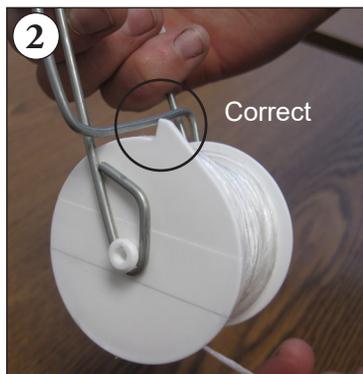
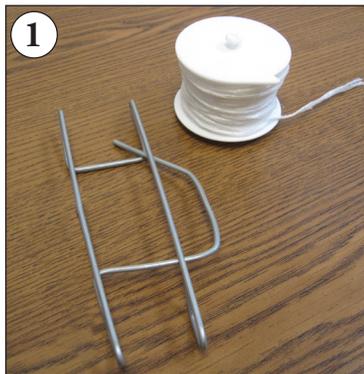
After assembling each, consult the following page to view installation photos using the 110010 assemblies and the 110006/110007 clips.

\*Additional purchase required: Contact your sales representative to purchase Tomato RollerHook® Assemblies for your Dutch bucket recovery system.



**ATTENTION:** Photo to the right shows the spool incorrectly installed in the wire hanger.

When installed this way, the spool lock slides under the lock spring of the handle. As a result, the cord will unravel from the spool. **The installation steps below show the correct orientation.**



## OPTIONAL ACCESSORIES—ADDITIONAL PURCHASE REQUIRED

### INSTALLING THE 110010 TOMATO ROLLERHOOK® ASSEMBLY\*

As plants mature, it may become necessary to provide adequate support. The 110010 Tomato RollerHook® Assembly used with the 110006 or 110007 tomato clips provide the perfect support system, saving you time and money.

1. Hang the assembled RollerHook® from a wire, cable, or frame member above the Dutch bucket system.
2. Pull cord from the spool so it reaches the desired Dutch bucket.
3. Take one 110006 or 110007 clip, wrap it around the stem of the plant, feed the cord into the hinged part of the clip, and snap the clip closed to lock cord in place.
4. Move back to the cord spool and tighten to remove slack. To prevent plant damage, do not overtighten. As the plant grows, add additional clips as needed for support.

\*Additional purchase required: Contact your sales representative to purchase Tomato RollerHook® Assemblies for your Dutch bucket recovery system.



***OPTIONAL ACCESSORIES—ADDITIONAL PURCHASE REQUIRED***

Photo shows using the 110010 RollerHook® Assembly.



