

OP350 Simple Install

Steps 1-16

Refer to Installation, Operation & Maintenance
Manual for More Details

OptiPure

❖ General Information

- System must be installed indoors easily accessed for service and maintenance.
- Water supply is cold water only at a minimum of 45 psi, maximum of 80 psi.
- A ½” **Dedicated** Water Supply line with Full Flow Ball Valve and Pressure Gauge , Drain and 120VAC power supply is required within 4’ of installation.
- Installation must conform to all local codes and regulations.
- Keep tubing and hoses as short as possible and avoid loops or kinks in tubing. Do not cut tubing with wire crimpers or dikes.
- Install System as close as possible to the equipment served.
- Never restrict flow of water from system to drain during operation. This flow is necessary to carry contaminants away from membrane.

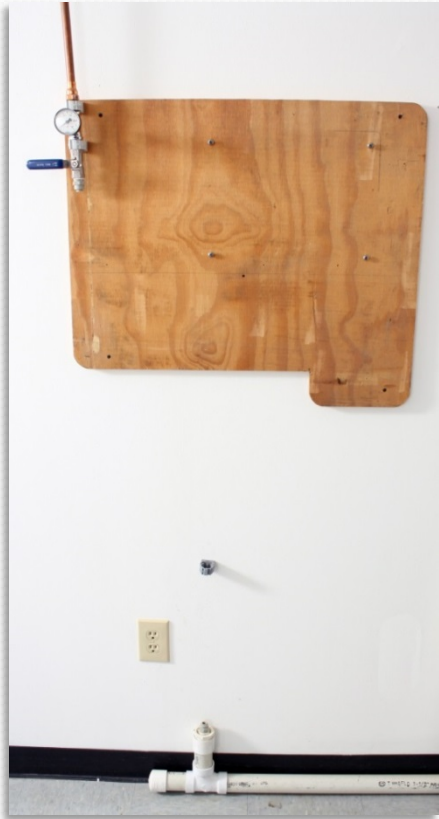
IMPORTANT

New OP350 design includes mineral addition cartridge for easy installation with less space needed.



NOTE: A dedicated water line is a water line run directly from a main water source. It does not branch out and is uninterrupted along its path.

❖ Mount the Processor



Step 1

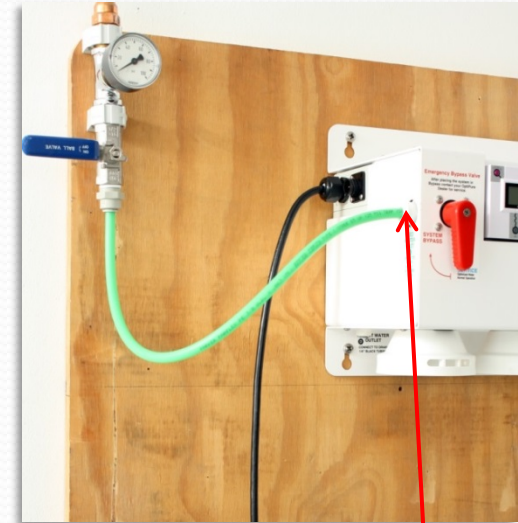
Select a secure mount location with access to a dedicated cold water supply, drain & 120VAC power supply.



Step 2

Attach Water Processor at the upper and lower keyhole mounts.

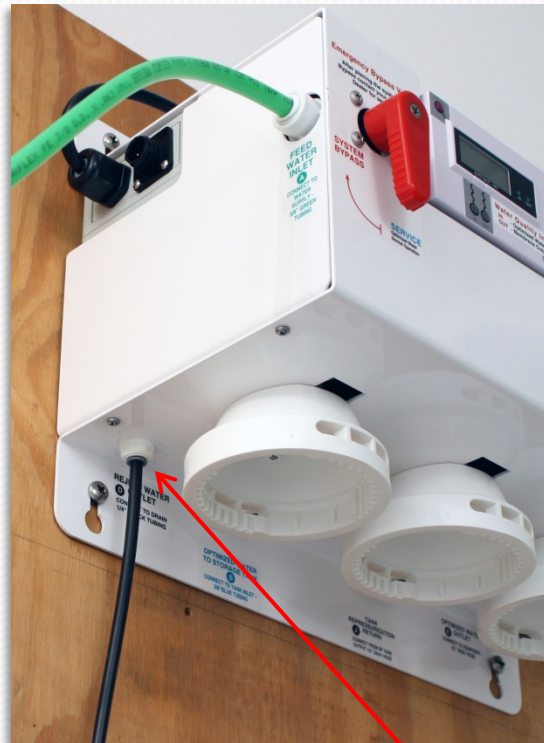
DO NOT PLUG IN.



Step 3

Connect Water Supply to “A”
Water Processor Feedwater Inlet
– Green Tubing.

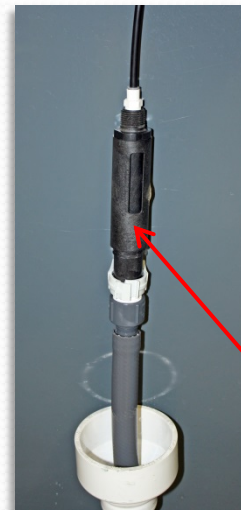
❖ Make the Drain Connection



Step 4a

Connect ¼" Black Tubing to "D" Reject Water Outlet.

NOTE: Optipure Airgap shown in picture, any approved airgap can be used.



Step 4b

Connect Black Tubing from "D" Reject Water Outlet to an Approved Air Gap and Drain Line.

❖ Make the Processor to Mineral Addition & Storage Tank Connections



Step 5a

Connect 3/8" Blue Tubing to "B"
Optimized Water To Storage Tank.



Step 5b

New OP350 design has integrated
mineral addition cartridge.



Step 5c

Connect 3/8" Blue Tubing to
Inlet of Tank Inlet Divert
Valve.

NOTE: See Appendix A for remote RP install

❖ Make the Storage Tank to Processor Connection



Step 6a

Connect ½"ID Gray Hose to ½" Hose Barb Adapter & Clamp. Connect to "J" Tank Re-pressurization Return.



½" Hose Barb Adapter & Clamp (Included).



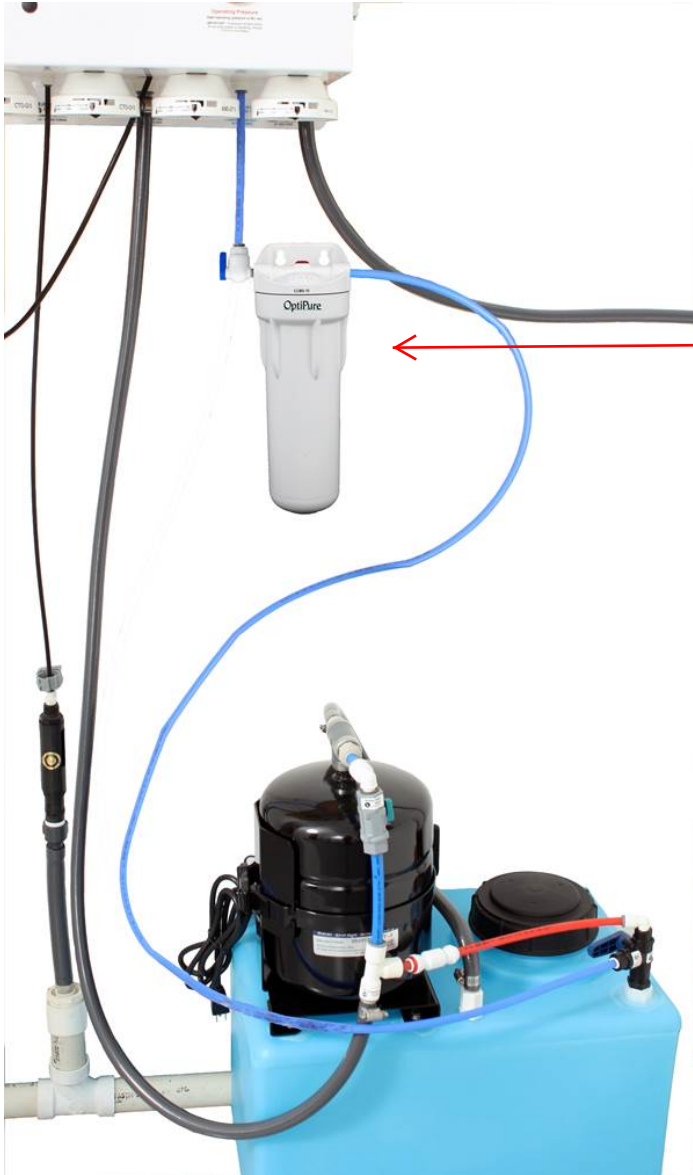
Step 6b

Route Gray Hose to Optimized Water Storage Tank.

Step 6c

Connect ½"ID Gray Hose to ½" Hose Barb Adapter and Clamp. Connect to Re-pressurization Assembly outlet.





Optional Chloramine Reduction Filter

If you are using an
FXPT-11CR chloramine reduction filter

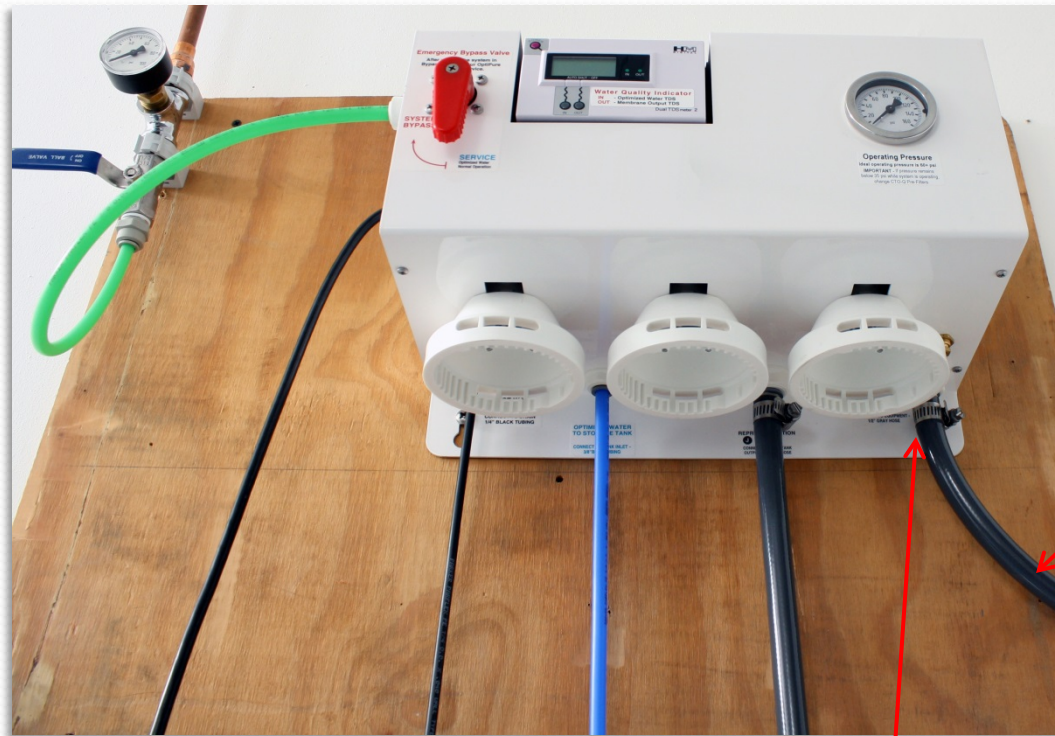
Install it on the 3/8" (blue) 'Optimized Water
to Storage Tank' line:

Inlet – From the Processor

Outlet – to the Storage Tank

The system includes 3/8" push-connect
fittings for simple installation.

❖ Make the Optimized Water Outlet Connection



The Optimized Water Line will be connected directly to equipment, or (optional) post-Treatment Filter and then on to equipment.

DO NOT CONNECT THE LINE TO THE EQUIPMENT AT THIS TIME.

Step 7

Connect ½"ID Gray Hose to ½"Hose Barb Adapter & Clamp. Connect to "E" Optimized Water Outlet.

❖ Install Membrane & Pre-Filter Cartridges



Step 8a

Install AMS-QT Membrane into the QT Head and turn to align arrows.



Step 8b

Remove plug from elbow at bottom of AMS-QT by pushing in on grey collar and pulling on plug. Connect ¼" black reject tubing.



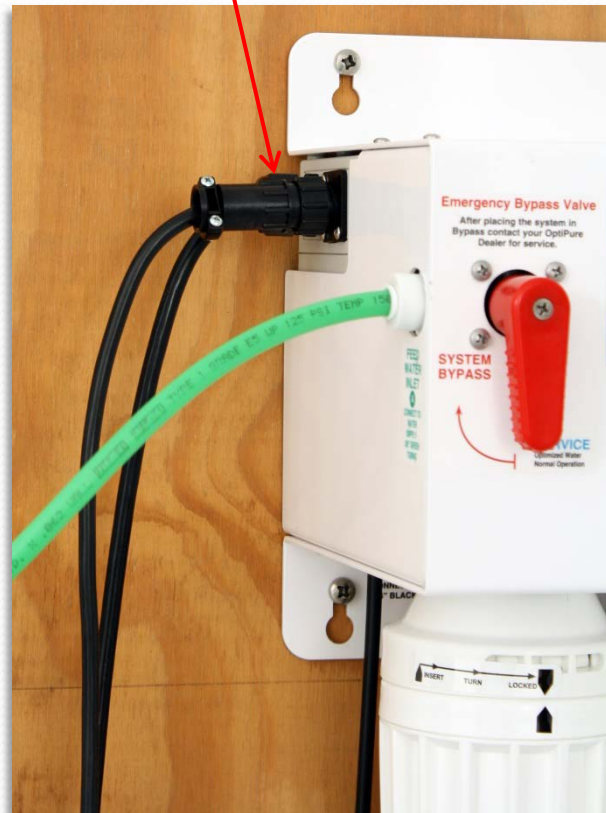
Step 8c

Install two CTO-Q cartridges into QT heads 1&2 starting from the left side of the processor and turn to align arrows.

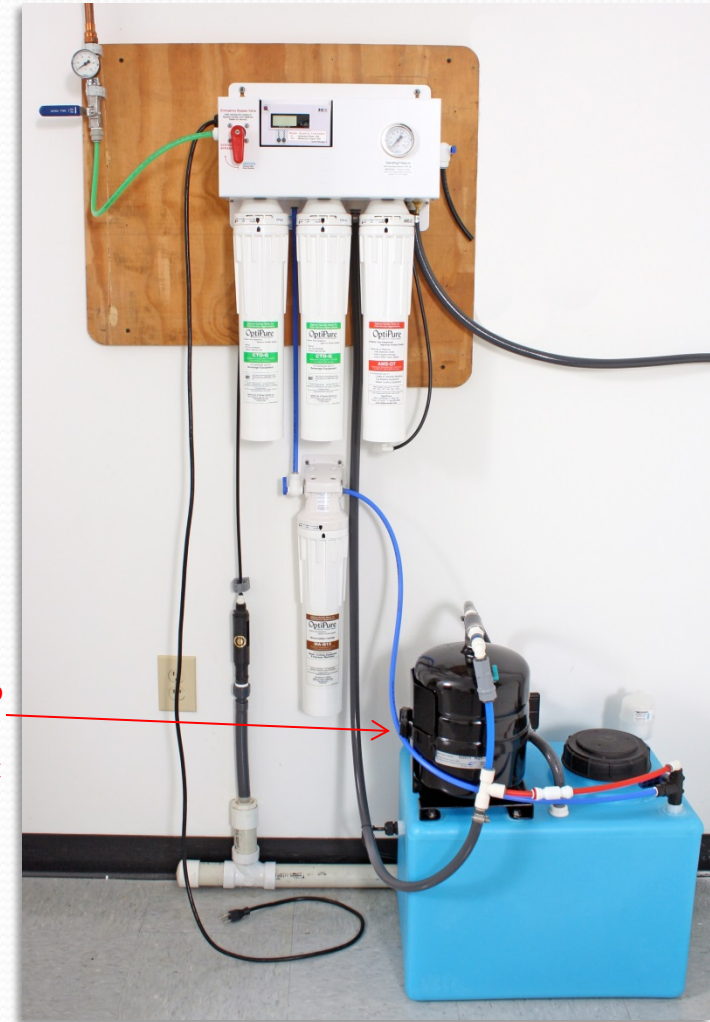
❖ Make the Float Switch Connection

Step 9

Connect Tank Switch Cable connector.



Do NOT connect pump to power until tank is at least half full of water.



Overall View of completed installation
– Next Steps describe System start up.

❖ Purge Air & Flush System



Step 10

Turn Emergency Bypass valve to the “SYSTEM BYPASS” mode. While holding the Optimized Water Line over a drain, Turn on the water supply valve (user supplied). Allow to flush until water runs clear and free of air.



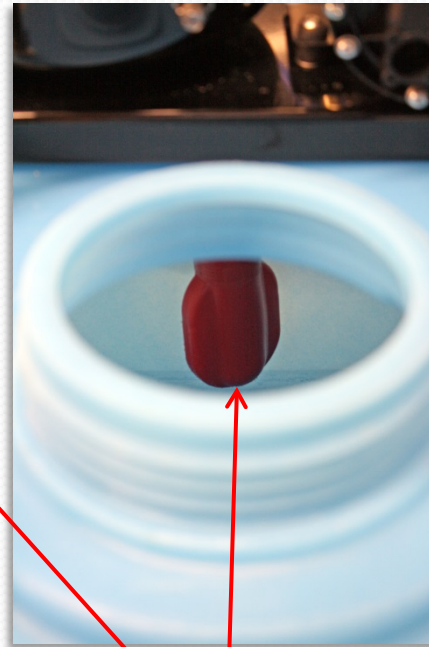
Step 11

Turn Emergency Bypass Valve to the “SERVICE” mode and plug in the processor. Allow Pre-Filters and the membrane to purge air and flush.

After several minutes water will start flowing to drain and Optimized water will start filling the tank. (Optimized water flow rate is less than 0.25 gpm)



❖ Check the Tank Float Switch



Step 12

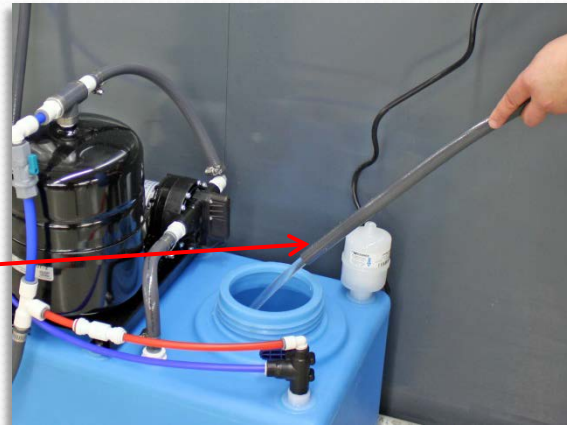
Check Tank Float Switch operation. Remove tank lid, raise float (point upward) and listen for solenoid valve to click off and watch water flow to tank and drain stop. Lower the float to resume normal operation.

❖ Rapid Fill the Storage Tank



Step 13a

While holding the Optimized Water Line over the tank opening, turn the Emergency Bypass Valve to the “BYPASS” position.



Step 13b

DO NOT PLUG IN THE PUMP AT THIS TIME.
Allow the tank to reach half full.

**VERY IMPORTANT- PRIME REPRESSURIZATION PUMP before connecting Optimized Water Line to equipment.
To prime the pump the Storage Tank must be at least half full!**



Step 13c

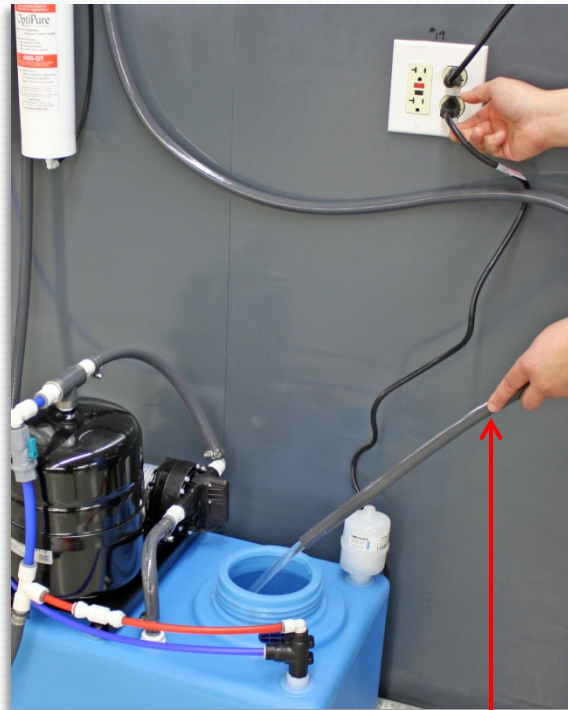
When the tank is half full, turn the Emergency Bypass Valve to the “SERVICE” position to resume normal operation.

❖ Prime the Repressurization Pump



Step 14a

Open Buffer Tank Valve



Step 14b

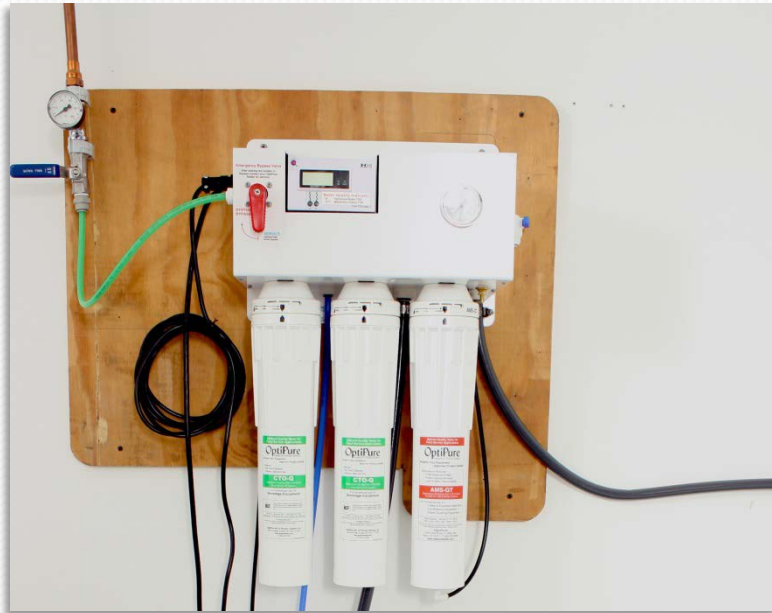
Holding Optimized Water Line over tank opening, plug in RP pump and allow to run until water flow is steady and free of air.



Step 14c

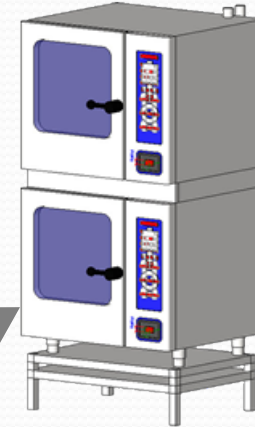
After flow is steady close Buffer Tank Valve and allow Buffer Tank to fill and RP Pump should turn off. If the RP Pump does not turn off air is present. Repeat Step 15b.

❖ Make Connection to Equipment



Step 15

Connect Optimized Water Line to Post-Treatment and downstream equipment.



Step 16

Open Buffer Tank Valve and start downstream equipment. Check for leaks.



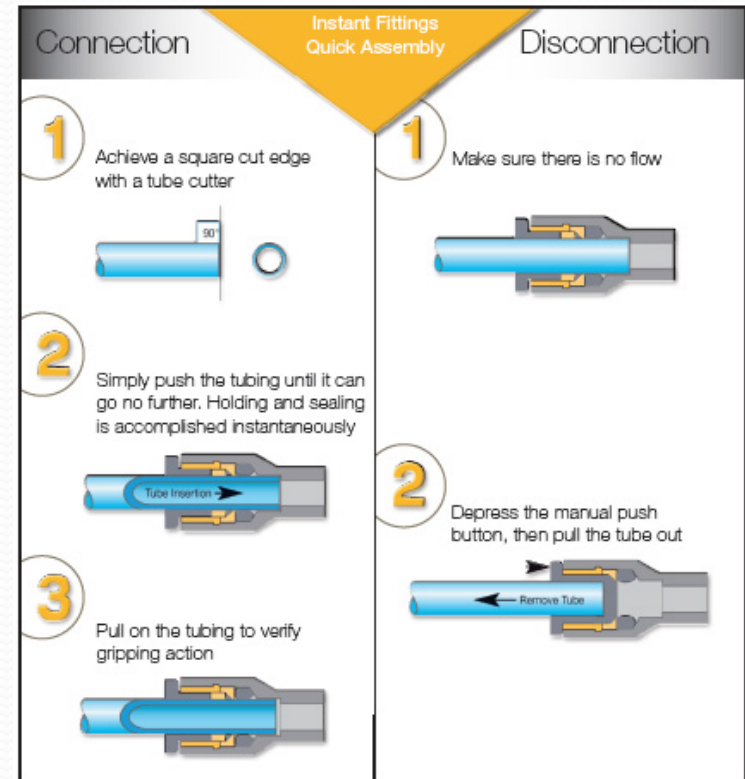
❖ Complete the Installation

Step 17

Secure tubing, hoses and wires as needed to assure the installation is neat and not susceptible to damage.

Step 18

Complete the “Post Installation Check List” and the “Service Log” and leave them with the operator/owner.



Access manuals, spec sheets and additional educational materials for foodservice water treatment at our website.

www.optipurewater.com

OptiPure
Foodservice Filtration Systems

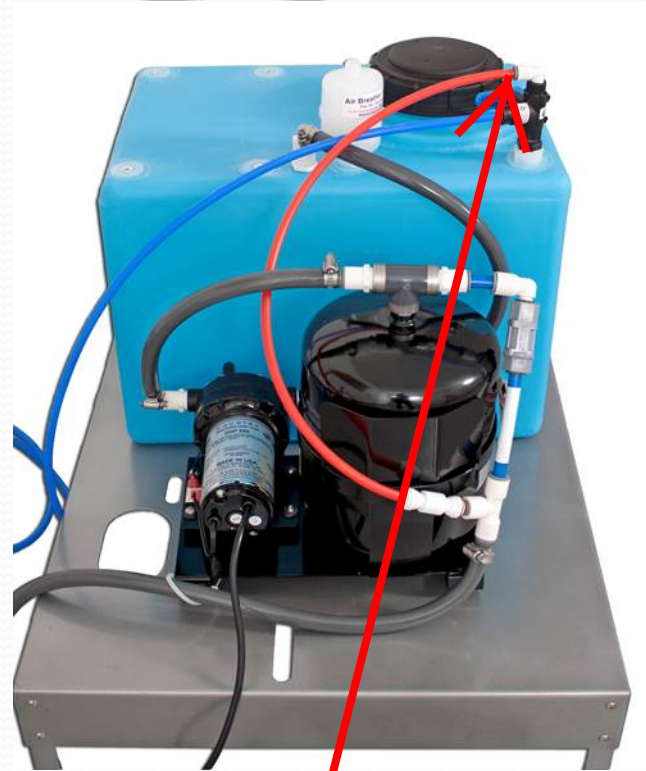
Appendix A – Remote RP Connections

Use Remote RP configuration when installing tank in a location that has limited height. For example, under a steam oven or counter.



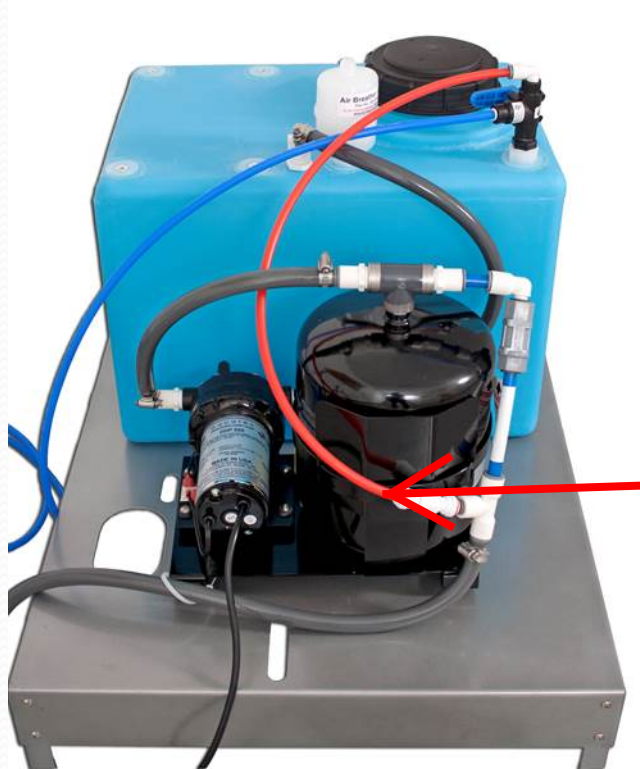
Step A-1
Insert Stem
Elbow in Pick-
Up Tube
Connection

Rubber Feet – 4 places.



Step A-2
Insert Red Tubing in top Push-To-
Connect on Divert Valve.

Appendix A – Remote RP Connections



Step A-3
Insert Red
Tubing into inlet
of Check Valve.



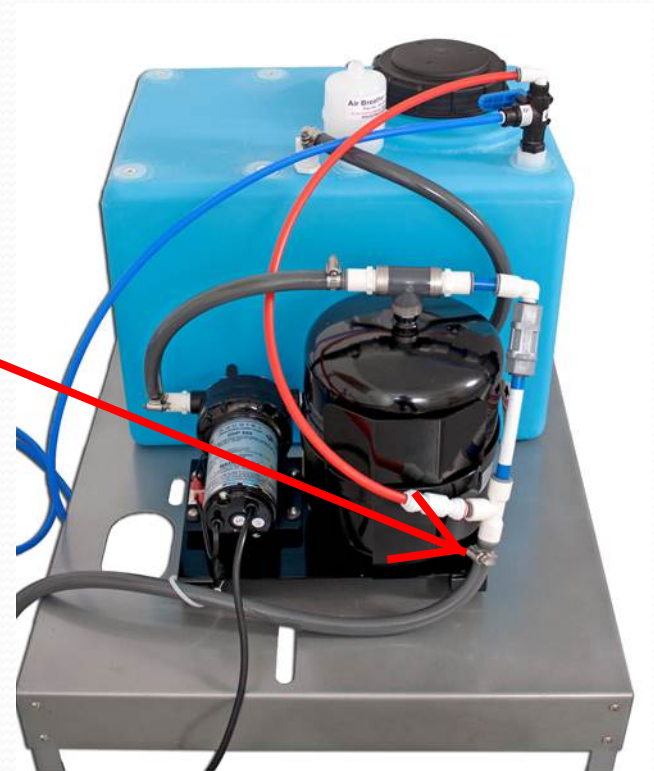
Step A-4
Connect Grey Hose to 1/2" Hose Barb
and Clamp.

Appendix A – Remote RP Connections

Step A-5

Connect Grey Hose to ½” Hose Barb and Clamp.

Note: All other connections are the same as when the RP assembly is installed on top of the tank.

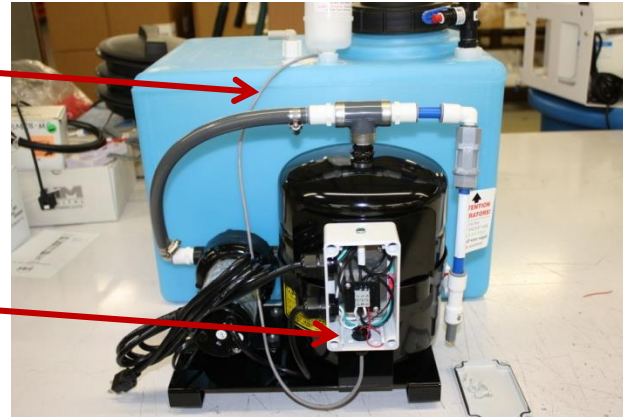


Remote RP Buffer Tank Low Level Switch

① Feed the grey cable from the low water level switch on the tank through the bottom of the relay box.

② Attach wires to terminals marked "D" and "C"

NOTE: It does not matter which wire goes where.



Low Level Switch Wiring Diagram

