

STANDARD OPERATING PROCEDURE

ULTRA-M MAINTENANCE

- WEAR APPROPRIATE PPE

TOOLS NEEDED (for annual maintenance)

- Channel locks
- 12mm socket or adjustable wrench
- PTFE tape
- Replacement parts
 - 370565 – Inline strainer
 - 370190 – Float valve assembly



AT EACH VISIT:

1. Observe system for proper operation
 - a. Pump drains the solution from the reservoir
 - b. Float drops to activate the fill valve
 - c. Fill valve shuts off when solution in reservoir has reached the proper level
2. Check for any leaks
3. Check any upstream filters – clean as needed
4. Wipe down unit as needed
5. Verify all pump and controller settings

AT 6 MONTHS:

1. Perform all items as shown in “At Each Visit”
2. Take a sample of solution from the reservoir to confirm conductivity level

AT 1 YEAR:

1. Perform all items as shown in “At 6 Months”
2. Replace inlet and outlet tubing (Both 3/8” OD)
3. Clean and rinse out reservoir
4. If no upstream filter is present
 - a. Replace inline strainer (see below for procedures)
 - b. Replace float valve assembly (see below for procedures)

AT 2 YEARS:

1. Perform all items as shown in “At 1 Year”
2. Replace inline strainer (see below for procedures)
3. Replace float valve assembly (see below for procedures)

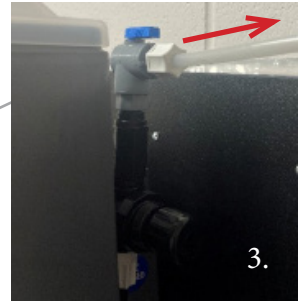


ULTRA-M MAINTENANCE: INLINE STRAINER REPLACEMENT

1. Shut off water to dissolver using a valve upstream from the dissolver.

2. Drain solution from the reservoir until float valve drops or lift the top until the valve clicks in order to relieve any pressure in the system.

3. Disconnect tubing from inlet ball valve.



4. Remove and save inlet ball valve using channel locks.



5. Remove and discard inlet strainer using channel locks.



6. Add Teflon tape to threads on the outlet of the new inline strainer.



7. Thread the inline strainer on to the pressure regulator.



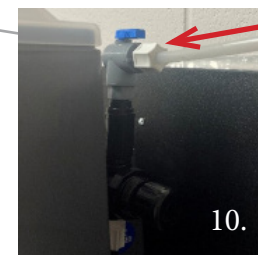
8. Add Teflon tape to the threads on the ball valve.



9. Thread the ball valve onto the inline strainer.



10. Reconnect the tubing to the inlet ball valve.



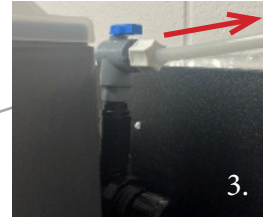
11. Slowly open the water valve while checking for leaks.

ULTRA-M MAINTENANCE: FLOAT VALVE REPLACEMENT

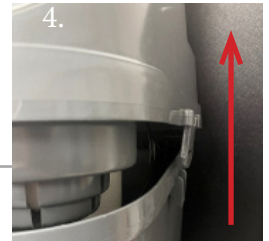
1. Shut off water to dissolver using a valve upstream from the dissolver.

2. Drain solution from the reservoir until float valve drops or lift the top until the valve clicks in order to relieve any pressure in the system.

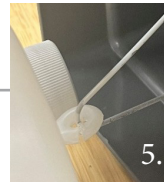
3. Disconnect tubing from inlet ball valve.



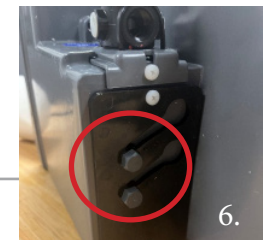
4. Remove top of dissolver to allow for easier access.



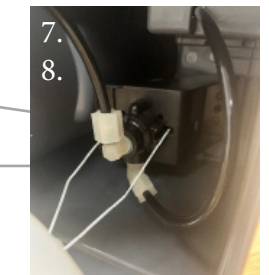
5. Remove the float from the yoke of the float valve – it can be reused or replaced.



6. Using a 12mm socket or adjustable wrench remove the 2 bolts holding the float valve to the dissolver top.



7. Disconnect the black inlet and outlet tubing going to the float valve noting which tube is the inlet and outlet.

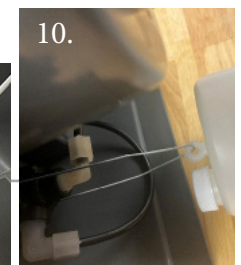
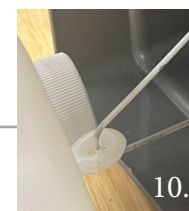


8. Reconnect the black inlet and outlet tubing to the float valve.
- Inlet goes in the side
- Outlet comes out of the bottom

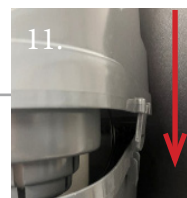
9. Take the new float valve assembly and attach it to the top using the supplied grey bolts – these should be no more than 1/4 turn past hand tight.



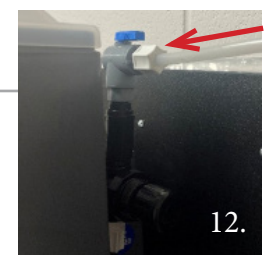
10. Connect the float to the valve by pushing the clip onto the yoke
a. Pull down on the yoke a few times to ensure it operates smoothly.



11. Attach top of unit to the bottom of unit.



12. Reconnect the tubing to the inlet ball valve.



13. Slowly open the water valve while checking for leaks both internal and external.