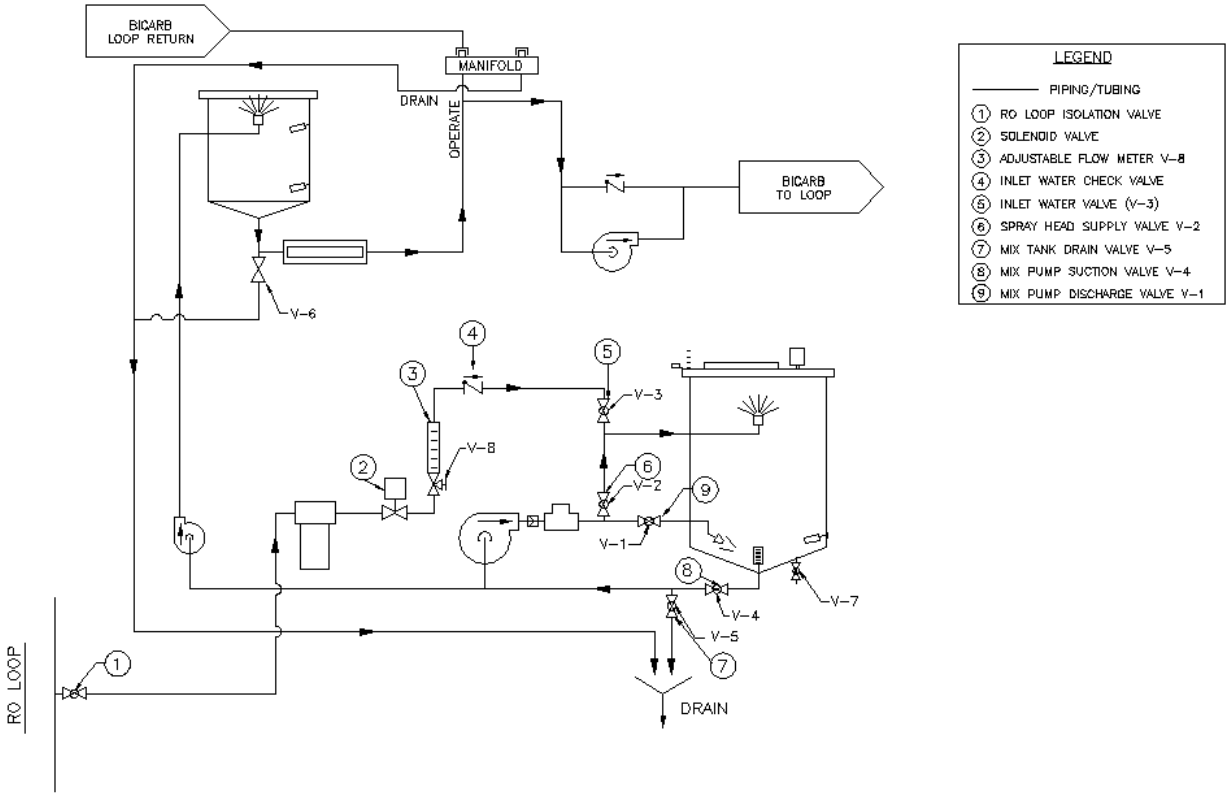
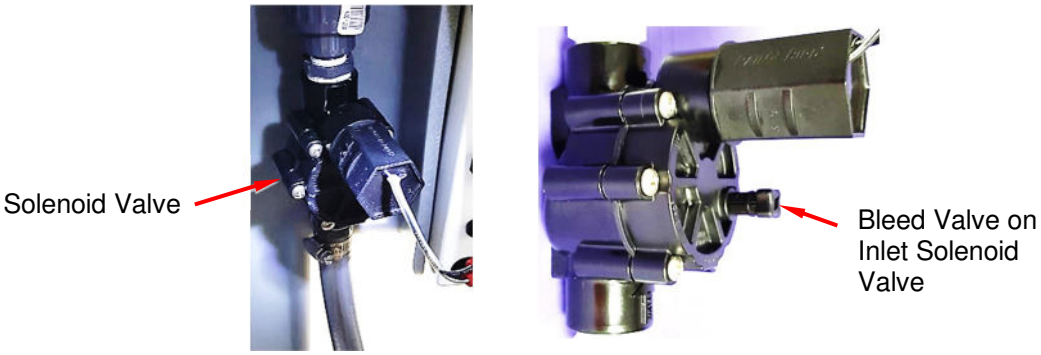
SDS CHECK VALVE TEST



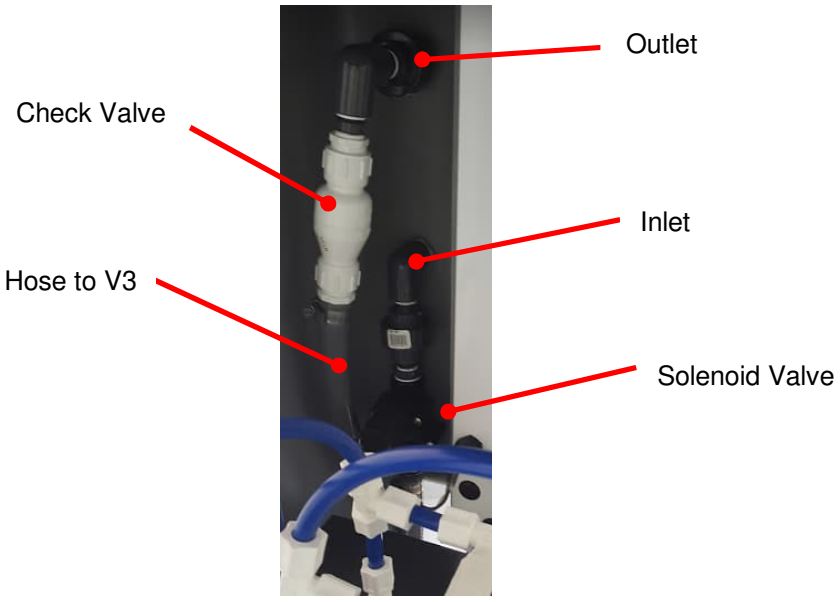
1. OPEN valve V-3 (Inlet Water Valve).
2. OPEN valve V-2 (Mix Tank Spray Head Supply Valve).
3. OPEN valve V-1 (Mix Pump Discharge Valve).
4. OPEN valve V-4 (Mix Pump Suction Valve).
5. CLOSE valve V-5 (Mix Tank Drain Valve).
6. Turn the MIX TANK AUTO FILL switch on the controller once to START and fill the MIX TANK with approximately 25 gallons (95 L) of RO water. Once level is reached turn the MIX Tank Auto Fill switch to the START position to stop filling the Mix Tank.
7. Close the isolation valve at the RO distribution loop.
8. Open valve V-8 (located on the flow meter) completely to allow maximum flow through the flow meter.
9. Turn the MIX PUMP switch to MIX.

10. On the rear of the Inlet Solenoid valve, OPEN the bleed valve. If water does not flow from the bleed valve, the Inlet Water Check Valve is operating as expected. Go to step 11. However, if fluid steadily flows from the bleed valve, close valve V-3 to verify the flow from the bleed valves stops.

    a. If the water flow stops, continue to use the system with close monitoring, ensuring that valve V-3 is always closed when the mix pump is running. Schedule urgent replacement of the faulty check valve.



    b. If valve V-3 is closed and water continues to flow from the solenoid bleed valve, the check valve is faulty. Discontinue using the SDS system. Replace valve V-3 and the check valve. Perform a leak test. After successfully completing the leak test, the system can be put back into service. Be sure to perform a SDS disinfect procedure.



11. Once the testing is complete, configure the SDS unit for normal operation.