



VALVE INSPECTION PROCEDURES

Medical Equipment Washing & Decontamination Systems

Valve inspection can be performed while the valve is still piped in line.

The Valves to be inspected may be:

- Fill Line Valve
- Disinfectant Line Valve (*Option*)
- Drain Valve (pre-2005)
- Main Chamber Valve (Pre-2005).

1. Unplug the Aqua Phase from the power Supply
2. Turn off the water supply to the Aqua Phase
3. Loosen the Fill Line connection (to release water pressure).
4. Remove the Retainer clip or Cap
5. Remove the Data Label Plate if an Asco Valve.
6. Lift the Unit Solenoid (electrical coil) up, off the Plunger Tube Assembly (*Do not miss place the spring or tension clip on the Plunger Tube assembly*).
7. Remove the bolts connecting the valve Cover/Solenoid Base to the valve Body.
8. Separate the valve Cover/Solenoid Base AND the Diaphragm from the valve Body. (*Be not to miss place the springs between the Cover/Solenoid Base and the Diaphragm*). Pay attention to the location of the valve Body Gasket/O-ring.
9. Look at/into the valve Body for and dirt or debris, and remove if any exists.
10. Carefully, separate the Diaphragm for the Cover/Solenoid Base.
11. Inspect the Diaphragm for any damage or wear such as cracking, blisters, or warps. The Diaphragm should have the same pliability/flexibility across its surface.
12. Locate the Bleed Hole (1/2" Valves) in the Diaphragm and make certain it is not plugged or clogged with debris or hard water particles.
13. Check that the Core Spring and Core Assembly moves freely inside the Cover/Solenoid base.

If you find there are issues with items 11, 12, or 13 from above, a valve rebuild kit may need to be ordered and installed.

When reassembling the valve:

IT IS CRITICAL TO VALVE OPERATIONS THAT THE BLEED HOLE be towards the "OUT" stamped into the valve Body (*the Bleed Hole will be at about 45 degree from the "OUT" stamp*).

IT IS CRITICAL TO VALVE OPERATIONS THAT BOTH THE Core Spring and Diaphragm Spring exist and are in position.



PUMP IMPELLER INSPECTION PROCEDURES

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WARNING

Unplug the machine from the power supply before performing any service procedures.

It is recommended that you contact the factory at 800-208-9274 before attempting to clear debris from the pump impeller. Removing debris from the pump impeller requires disassembly of the pump.

1. Unplug the Aqua Phase from the power supply.
2. Disconnect the electrical wires at the pump.
3. Disconnect the hose going to the inlet of the pump.
4. Disconnect the hose or piping from the pump outlet.
5. Remove the pump mounting bolts from the underside of the machine.
6. The pump is composed of two components: the pump head and the pump motor.
 - You do **not** need to remove the pump head from the pump motor.
 - You do need to take the pump head apart.
7. Remove the bolts holding the pump head together.
8. You may need to tap (hit) the pump head assembly to free the two halves.
9. Inspect the pump impeller.
 - Check the impeller housing and the inlet elbow for any obstructions.
 - Remove debris if necessary.
10. Inspect the pump seal/gasket.
 - Replace if damaged.
 - If your pump has an "O-Ring" seal, you may order a replacement from the factory.
11. Reassemble and reinstall the pump.