



How to replace an ASCO Valve

Issue: If cleaning and rebuilding an ASCO Valve does not resolve the issue with it, it might be necessary to replace one of the ASCO Valve on the All-In-One Pump station.

Only replace one ASCO Valve at a time to keep the Coil Cables going to the correct Valve.

Items needed:

- Pipe wrench
- Plumber Tape or Teflon Tape.
- A Steel Brush

Parts Needed:

- 2" ASCO Solenoid Valve 2-way Normal Closes - P-WAT-2479

Procedure:

1. Press in wash stop.
2. Turn off reclaim at the reclaim HMI.
3. Command HPP1, HPP2, Belt flush, and Preblast pump OFF on GWC HMI.
4. Locate the ball valve running from the reject tank to the All-In-One Pump station and close that valve.
 - a. You should then be OK to remove the ASCO valve and replace it as we have isolated water to the valve.
5. Remove the Coil Plug
6. Use the pipe wrench to loosen the water supply hose fitting on the ASCO Valve.
7. Use the pipe wrench to loosen the ASCO Valve from the All-in-One Station.
8. Clean the fittings with the steel brush.
9. Apply Plumbers tape to the fittings to prevent leaks.
 - a. Excess Plumber's tape or Teflon tape can cause the ASCO Valve to become stuck in either the OPEN or Closed position.
 - b. Do not apply any plumber's paste to the inside of the ASCO Valve.



- 10.** Reinstall the ASCO Valve on the All-in-One station.
 - a.** ASCO Valves flow in one direction. There is an arrow pointing in the direction of flow.
 - i.** The Flow of water goes from the Reclaim System to the All-in-One Pump station.
 - b.** Make sure that the ASCO Valve's Coil is pointed upwards at a 90-degree angle.
 - c.** This will help prevent sediment from the Reclaim system from settling in the diaphragm.
 - d.** DO NOT USE THE COIL and SHAFT TO SCREW THE VALVE ON THE PIPE. **DAMAGE MAY OCCUR!**
- 11.** Reconnect the Coil Plug.
- 12.** Reconnect the water supply hose to the ASCO Valve.
- 13.** Locate the ball valve running from the reject tank to the All-In-One Pump station and open the valve.
- 14.** Command HPP1, HPP2, Belt flush, and Preblast pump to AUTO on GWC HMI.
- 15.** Turn the reclaim back to AUTO at the reclaim HMI.
- 16.** Pull out a wash stop.
- 17.** Test the ASCO Valve.

If you feel uncomfortable replacing an ASCO Valve, please contact your licensed plumber to replace the ASCO Valve.

If the issue persists, please contact Equipment Support at 616-795-4892 or Support@TommyCarWash.com