



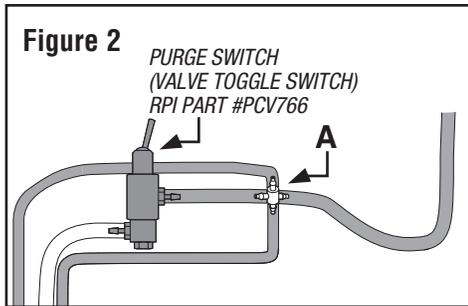
PCK775 ANTI-SIPHON VALVE KIT

SERVICE TIP

When making tubing connections, ensure a tight fit by using new Uni-Clamps (RPI Part #ADC034).

- 1) Turn off power for unit at both the control head and the J-Box.
- 2) Remove the two screws from each side of the control head cover. Lift control head cover and provide support to prevent the cover from closing while servicing the unit, and to avoid damage to the tubing and wiring.
- 3) Place the new Anti-Siphon Valve as shown in the Plumbing Schematic in Figure 1. Tubing will be directed to it later in these instructions.

- 4) Located near the Purge Switch, find Tee Fitting "A" in the switched supply line (see Figure 2). Remove the Hex Head Plug from the Tee Fitting, and install the enclosed 1/16" Barb (RPI Part #ADB012) and Flat Washer (RPI Part #ADW038). **Note:** Remove only the Hex Head Plug that blocks off the position opposite the yellow tubing connection.



- 5) Route the new green tubing that is attached to **BARB #2** on the Anti-Siphon Valve to Tee Fitting "A", then connect the tubing to the Tee Fitting at the new 1/16" Barb and Flat Washer from Step #4 (see Figure 3).

- 6) From the Metering Valve, disconnect the 1/8" green spray air tubing "B" and connect it to **BARB #1** on the Anti-Siphon Valve (see Figure 4).

- 7) Remove the green tubing "C" from both the Metering Valve and the Shuttle Valve. Connect the new green tubing that is attached to **BARB #3** on the Anti-Siphon Valve to the Shuttle Valve (see Figure 5).

- 8) Check all connections, then turn on the J-Box and Control Head. Check for air and/or water leaks.

- 9) Check that the Anti-Siphon Valve is functioning properly. The water should be activating at 5-6 psi of drive air pressure. To readjust the amount of water flowing to each handpiece position, adjust the Metering Valve associated with the corresponding handpiece position. **Note:** To allow excess water to be expelled from the handpiece, there will be a short delay in the water cut-off after the foot pedal is released.

- 10) If necessary, replace the existing plumbing schematic in the control head with the enclosed Plumbing Schematic decal to show the new Anti-Siphon Valve tubing configuration.

- 11) Remove the prop that was used to support the control head cover in Step #2. Reinstall the cover using the four screws removed in Step #2. Repeat test in Step #9 to insure that air and water lines were not pinched when the cover was reinstalled.

Figure 1

Place the new Anti-Siphon Valve as shown here. Tubing will be directed to it later in the instructions.

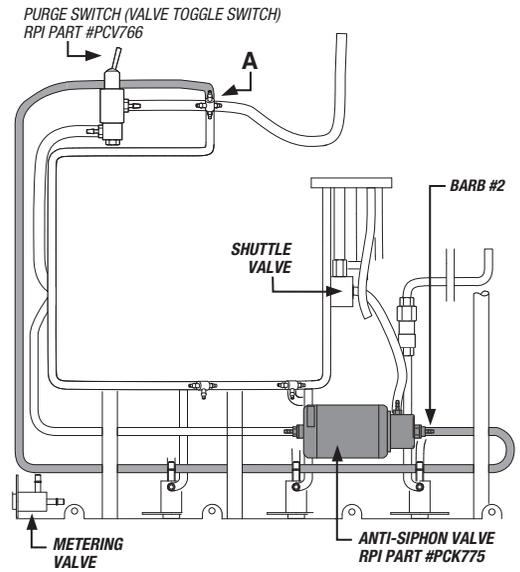


Figure 3

Route the new green tubing that is connected to **BARB #2** on the Anti-Siphon Valve to Tee Fitting "A", then connect the tubing to the Tee Fitting at the new 1/16" Barb and Flat Washer from Step #4.

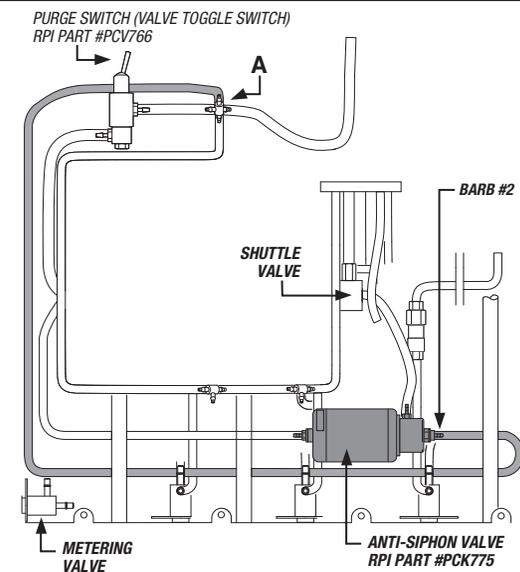


Figure 4

From the metering valve, disconnect the 1/8" green spray air tubing "B" and connect it to **BARB #1** on the Anti-Siphon Valve.

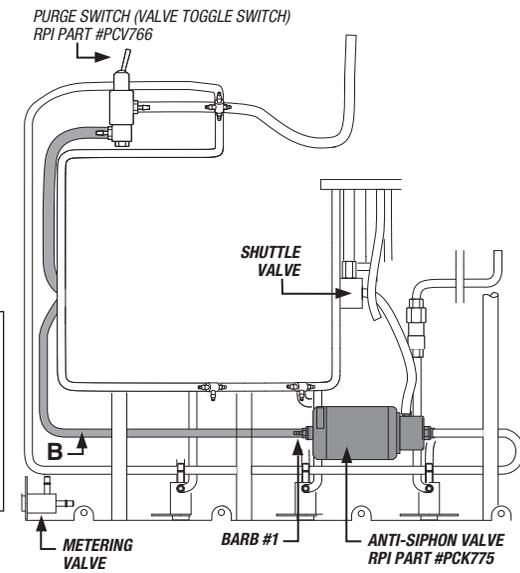


Figure 5

Remove the green tubing "C" from both the Metering Valve and the Shuttle Valve. Connect the new green tubing that is attached to **BARB #3** on the Anti-Siphon Valve to the Shuttle Valve.

