

Refilling A Backwashing Filter

Below we describe the basic installation steps that are common to every CAI backwashing filter unit that uses our standard Autotrol Performa control. Depending on customer requirements, we may configure a neutralizer with a different brand of control, and refilling procedures may vary slightly from those as described below. If this applies to you, please contact our customer service department at 800-580-3033 with any questions that are not specifically addressed in this procedure.

To refill your backwashing filter:

- 1) Disconnect (un-plug) the control valve power from the electrical supply.
- 2) Close both the inlet and outlet by-pass valves.
- 3) There is a button on the front of your control that contains an arrow. You will see a slot for a screwdriver in the center of the button. Using a flathead screwdriver, depress the button to release the mechanism, and rotate the button counter-clockwise into the backwash position. This will relieve the water pressure in the unit.
- 4) Unscrew the connection between the by-pass valve and the control valve – CAUTION!! be sure you are removing the correct nuts that attach the valve to the by-pass – removing the nuts that connect the water supply lines to the by-pass will result in extreme flooding unless the supply water piping has been depressurized and emptied.
- 5) Remove the valve from the top of the tank to allow for easy access to the media bed. It unscrews from the tank in a normal counter-clockwise direction.
- 6) Siphon off any visible water. It is possible to remove additional water contained within the media bed by placing the siphon tube down inside of the riser tube.
- 7) Remove the media within the tank (using a wet/dry vacuum works well).
- 8) Clean the existing gravel found at the bottom of the media bed for reuse, or replace with new gravel. Cover the bottom distributor basket by about 3 inches.
- 9) Add new media to the 2/3 full level – no higher than 11 inches to the top of the tank.
- 10) Re-install the control valve onto the top of the tank, and reconnect all water supply and drain lines.
- 11) Slowly open the inlet by-pass valve, and allow the tank to fill. When the tank is full, open the outlet by-pass valve.

12) With the unit still in backwash position, you will note that rinse water is running to drain. At first this water may be slightly "cloudy" - allow the unit to backwash until the water runs clear (normally 3 to 10 minutes).

13) After water is running clear, plug in the electrical, and advance the button (counter-clockwise as above) into the Conditioned Water position. The filter is now ready for normal operation.