

# Greensand 2510 Maintenance Instructions

**Once a month** : check potassium permanganate level in potassium permanganate solution tank. Add more purple permanganate powder when permanganate solution tank shows no sign of powder on top of felt pad inside of tank. Do NOT pour permanganate down white brine well tube, pour directly on top of felt pad inside of tank. For most systems: add 1 5 lb container every two to four months.

**Once per year**: clean or replace injector assembly in control valve. See diagram of exploded view of control valve. Replace, or clean in muriatic acid, rust cleaner, or vinegar the items 13, 14 and 15.... which are the injector nozzle, throat and screen.

To replace or clean the injector and screen, follow these steps:

1. Put filter system on bypass or shut off water to system.
  2. Turn center knob on timer assembly a few degrees clockwise until you hear control valve motor engage... this will release the water pressure in the control valve so you can change the injector assembly.
  3. Unplug control valve from electrical outlet.
  4. Un-screw bolts (#18 in diagram), and using a small screwdriver, remove nozzle and throat, unscrewing counter-clockwise. You may need to use a paper clip or other piece of wire to remove the lower nozzle once it is unscrewed.
  5. Replace and/or clean in acid, and replace or clean screen.
  6. Put system back online. Make sure timer assembly is advanced so the piston on the control valve is back in service position. If not sure, wait two hours until timer assembly does this automatically.
- If desired initiate a manual regeneration by turning the timer assembly knob a few degrees clock-wise.

Once per year: clean float in permanganate tank and replace felt pad.

Note: wear gloves and protective eye glasses when handling permanganate,

Avoid contact with skin and avoid breathing in dust.

Use lemon juice to clean any permanganate stain off hands if staining should accidentally occur.

