



UPFLOW FILTER INSPECTION & SERVICE

MODELS J-158 & J-149

MODEL J-158

Meet Homeowner

- ☐ Before starting service, meet owner, tell him who you are and whom you represent.
- ☐ Explain what you plan to do.
- ☐ Explain payment terms.
- ☐ Ask for permission to check controls.

JET-CHLOR Tablet Chlorinator Maintenance

- ☐ Wear goggles or face shield and rubber gloves when handling the tablets.
- ☐ Remove the tubes.
- ☐ Remove caps and rinse tubes, clean with water. Use brush or gloved hand to loosen any deposits.
- ☐ Place 10 tablets in each tube, one tablet at a time. Tablets must lie flat.
- ☐ Replace caps and install tubes so they rest in the filter outlet channel.
- ☐ See JET-CHLOR Tablet Chlorinator "Installation and Operation" Manual for additional information.

Upflow Filter Maintenance with Auto-Backwash

- ☐ Turn control panel "Off."
- ☐ Remove filter cover.
- ☐ Rake first few inches of stones to loosen attached sludge.
- ☐ Run backwashing pump through one backwashing cycle by rotating face of backwashing control panel to "On" position.
- ☐ If water will not pass through stones during backwashing cycle, rake stones deeper and use high-pressure garden hose to wash them. Run backwashing pump and continue hosing and raking until water passes freely through stones.
- ☐ Set timer in backwashing control panel to proper time of day by rotating its face to correct position.
- ☐ If there is a filter maintenance indicator, check its operation by removing float switch from filter and laying it on its side so float is up. Next, check maintenance indicator warning light in home. It should be glowing. Replace float switch in filter when this test is complete.
- ☐ Replace filter cover.

Without Auto-Backwash

- ☐ Turn aerator control panel "Off."
- ☐ Remove aerator from mounting casting. See plant "Inspection & Service" for removal & servicing of aerator.
- ☐ Push pump inlet hose all the way down filter drop pipe.
- ☐ Prime pump.
- ☐ Run pump outlet hose into aerator mounting casting.
- ☐ Insert plumber's stopper in influent line to prevent water from rushing back into filter.
- ☐ Rake first few inches of stones to loosen attached sludge.
- ☐ Turn pump "On" and pump out all liquid from bottom of filter. Leave pump "On" until it starts pumping air.
- ☐ Wash stones with high-pressure garden hose. Filter will be cleaned as hose water washes through stones. Pump again as described above.
- ☐ If hose water will not pass through stones, rake stones deeper. Continue pumping and raking until water passes through freely. Then rake stones smooth and level.
- ☐ Remove pump hoses while plant is "Off" and perform routine plant inspection. This allows sludge from filter enough time to settle in plant.
- ☐ Remove plumber's stopper slowly so water does not rush into filter.
- ☐ Follow "Chlorinator Maintenance" instructions in servicing filter chlorinator, if one is installed.
- ☐ Check operation of filter maintenance indicator, if there is one, by removing float switch from filter and laying it on its side so float is up. Next check maintenance indication warning light in home. It should be glowing. Replace float switch in filter when this test is complete.
- ☐ Replace filter cover.
- ☐ Install aerator according to instructions in plant "Inspection & Service."

MODEL J-149

Optional Chlorinator

If a Jet Tablet Chlorinator is to be installed, place the feed tube assembly inside the filter with the bottom of the two chlorinator tubes resting in the filter outlet channel. See "Jet Home Plant Chlorinator Instructions" for information on stocking the chlorinator with tablets. Do not put more than 10 tablets in each tube.

Optional Maintenance Indicator

An optional maintenance indicator is available which notifies the homeowner when filter backwashing is required. When filter influent backs up the drop pipe due to partial clogging of the filter medium, a float switch at the filter activates a warning light in the home notifying the owner that the filter needs backwashing. See "Upflow Filter Maintenance Indicator" for installation instructions.

Backwashing Maintenance

Tank pumping or backwashing is the only filter maintenance required. The filter will accumulate enough solids after a six-month period to need backwashing and it is important that it be backwashed every six months. As the filter stones accumulate solids, the flow through the filter medium is gradually restricted causing the water to slowly back up in the drop pipe. If the filter is not backwashed, it will eventually become completely clogged. When this happens, the influent will not go down the drop pipe and is short-circuited to the outlet, bypassing the filtering stones.

If the upflow filter is backwashed every six months, it can be done easily and quickly. However, if it is not backwashed every six months or if cleaning is done only after the filter becomes clogged, backwashing will be difficult and time-consuming.

Normally, backwashing is an easy procedure which should not take over 15 or 20 minutes. It should be combined with normal home plant maintenance to save time.

Backwashing Steps

1. Turn power "Off" at aerator control panel.
2. Remove aerator from mounting casting. See "Plant Inspection & Service" for removal & servicing of aerator.
3. Push pump inlet hose all the way down filter drop pipe.
4. Prime pump.
5. Run pump outlet hose into aerator mounting casting.
6. Insert plumber's stopper in influent line to prevent water from rushing back into filter.
7. Rake first few inches of stones to loosen attached sludge.
8. Turn pump on and pump out all liquid from bottom of filter.
9. Wash off top of stones with high-pressure garden hose. Filter will be cleaned as hose water washes through stones. Pump again as in Step 8.
10. If hose water will not pass through stones, rake stones deeper. Continue pumping and raking until water passes freely through. Then rake stones smooth and level.
11. Remove pump hoses while plant is "Off," and perform routine plant inspection. This allows sludge from filter enough time to settle in plant.
12. Remove plumber's stopper slowly so water does not rush into filter.
13. Service filter chlorinator, if installed. See "Jet Home Plant Chlorinator Instructions."
14. Replace filter cover.
15. Install aerator according to instructions in plant "Inspection & Service."

Equipment Needed

The following equipment is needed:

- ☐ Installer's Tool Kit.
- ☐ 100 Ft. of Garden Hose with Adjustable Nozzle, Mounted on Reel.
- ☐ Long-Handled Shovel.
- ☐ JET-CHLOR Tablets for chlorinator maintenance.
- ☐ Rubber gloves and eye goggles or face shield for chlorinator maintenance.
- ☐ Stiff whiskbroom for chlorinator maintenance.
- ☐ Jet Filter Backwashing Kit for Filter Maintenance.
- ☐ Common Garden Rake with Rigid Steel Tines for Filter Maintenance.
- ☐ 4" dia. Plumber's stopper with air line.
- ☐ Hand tire pump.