

Plant Inspection & Service

1500 Series BAT[®] Media Plants

Jet Distributors are obligated to provide a free Inspection/ Service Policy on all new installations for the first two years of the 30-month limited warranty period.

Service, inspection and maintenance must be done every 6 months during the warranty period. It is strongly recommended that the owner continue this Inspection/ Service Policy with the distributor after the initial or any subsequent policies have expired. It is also strongly recommended that the distributor, or any of the distributor's employees who have any contact with the owner, encourage the owner to continually keep this policy in force.

1. Inspection/service visits will be made to the installation every 6 months for two years at no charge.
2. All applicable jobs on the "Inspection/Service Checklist" will be performed on each inspection/ service visit.
3. There will be no charge for any special, non-scheduled service or repair calls, including removal and reinstallation of equipment that cannot be repaired at the job site.
4. If improper operation cannot be corrected at time of service, owner should be notified immediately in writing and given estimated date of correction and cost, if any.
5. If it is necessary to return any equipment to the factory for repair, the owner shall bear the cost of freight.
6. No part of the house wiring is covered under the terms of the warranty or the Inspection/Service Policy.
7. After the first two years, the distributor will offer each owner an Inspection/Service Policy with terms identical to those of the initial two-year policy. Distributor Inspection/Service Policies are not given free of charge on newly warranted factory exchange aerators, but only on new aerators. We urge you to point this out to the owner and to strongly recommend keeping an Inspection/ Service Policy in force with you.
8. Contact Jet for replacement parts and components. They are listed on our price list.

The Owner's Manual states the entire tank be pumped, according to Jet's "Tank Pumping Instructions" sheet, every three years, or more frequently in certain situations. Please point this out to the owner

RECORD KEEPING

It is important to keep good records on service. Your

records of all Jet Plants must be maintained for the effective life of the plant.

INSPECTION/SERVICE CHECKLIST

Note: On 1000, 1250 and 1500 gpd plants, two aerators are used. Each one must be kept on a separate circuit with its own control panel. This checklist must be followed for each control panel and aerator.

CHECK CONTROL PANEL

1. Turn control panel switch to "Cont" position—red visual alert light on control panel cover should not glow.
2. If control operation appears to be normal, return panel switch to original position. Once entire testing is complete, close and latch panel cover.
3. If these tests are not satisfactory, check wiring and system according to the separate literature sheet, "Electrical Wiring & Control Panel Instructions", and the schematic wiring diagram and control panel drawing on the inside of the aerator control panel cover.

TAKING & ASSESSING SAMPLES

1. Collection and assessment of effluent samples are required for all NSF Listed plants. There are four sample taking means from which samples may be taken. For information on "Effluent Sample Means", see "Tank & Aeration Installation" instructions on pg. 3. Here are the four means and suggestions for taking samples from each:
 - A. Final Outlet Samples—clean off the inside bottom and outside edge of the final outlet with a clean rag. Take a clean sample jar and collect a free-flowing effluent sample from the discharge pipe. Be sure the jar does not touch the pipe.
 - B. Taking the Sample—remove the cover and pump out the liquid in the lower arm of the cross. Clean off the lip of the inlet arm that connects to the tank. Next, take a clean sample jar and lower it so that it touches no part of the cross and catches a free-flowing effluent sample.
 - C. Distribution Box Samples—remove distribution box cover and clean off the inside bottom and outside edge of the inlet line with a clean rag. Take a clean sample jar and collect a free-flowing effluent sample from the inlet line. Be sure the jar does not touch any other surface.
 - D. Baffled Outlet Samples—remove cover on tank top or riser. Lower a clean sample jar into the open top of the outlet tee or baffle. Slowly and gently submerge the sample jar until it is 1/32" beneath the surface so the effluent fills the jar very gradually. Slowly remove the jar, being

careful not to let it touch any other surface.

2. To evaluate a sample, smell the sample and hold it up to the light to observe color, turbidity and any solids or floating scum. If examination shows the effluent is not up to standard quality, do the following:
 - Wait 2 weeks. Then, take and evaluate a new effluent sample.
 - If effluent is still not up to standard quality, look for causes and corrections by following all suggestions and procedures in “Troubleshooting Plant & Equipment” instructions.
 - Wait 2 weeks. Then, take and evaluate a new effluent sample.
 - If effluent is still not up to standard quality, air clean media and perform all the other elements of a comprehensive service call.
 - Wait 2 weeks. Then, take and evaluate a new effluent sample.
 - If effluent is still not up to standard quality, schedule the 3-Year Service, including tank pumping.

CHECK AERATOR

1. Remove the Aerator Mounting Casting cover. Complete all items below in the order numbered. In addition, make sure there is power to the aerator and that it is operating properly.
2. Observe aerator noise level and vibration. Worn bumpers indicate excessive vibration. If bumpers are worn, replace shaft with one that is straight.
3. **CAUTION: BEFORE REMOVING AERATOR, DISCONNECT POWER BY UNPLUGGING CONNECTOR OR BY TURNING POWER “OFF” AT CONTROL PANEL OR AT MAIN ELECTRICAL PANEL.**
4. Secure aerator so that weight is not placed on foam restrictor, shaft or aspirator.
5. Remove aspirator shaft and use a knife to clean off any foreign material.
6. Attach “shaft cleaning hose” and wash shaft out with water. Be sure aspirator holes are clean.
7. Clean inside of hollow motor shaft with shaft cleaning brush.
8. Apply light coating of Vaseline or anti-seize compound to aspirator shaft and reinstall.
9. Turn power “On” or reconnect power to aerator
10. Install a drip loop in cable by pushing cable 1 to 2 inches below connector.
11. If “outside air” is used, be sure hose is properly installed in vent and that it is not bent when cover is replaced. It should be in vent body, but not close enough to vent lid top to bend and restrict airflow.
12. After cover is in place, remove vent cap and check for proper outside air hose position. Be sure all air holes in vent body are clear.
13. Re-check control panel. Double check settings. Make sure cover is latched.

INSTRUCTIONS TO OWNER

1. Explain control panel.
2. Tell owner to always reset circuit breaker if red visual alert light glows before calling for service.
3. Ask owner to read “Owner’s Manual”. If necessary, provide manual.
4. If further service is required that is not covered under the “Inspection/Service Policy”, inform owner in writing. Give the estimated cost and completion date and arrange for service.
5. If there is unusual buildup of material on the shaft, such as mop string, hair, plastic or rubber items, etc., please discuss with the owner.

NSF LISTED & 1500 S SERIES PLANTS

- These instructions apply to J-1500 Series and 1500 S Series plants. Each Series has a 500, 600, 750, 1000, 1250 and 1500 gpd plant.
- J-1500 Series plants have been tested and meet NSF Standard 40 criteria for a Class I NSF/ANSI Listing.
- 1500 S Series plants are normally identical to the J-1500 Series plants, but changes approved by health officials may be made.