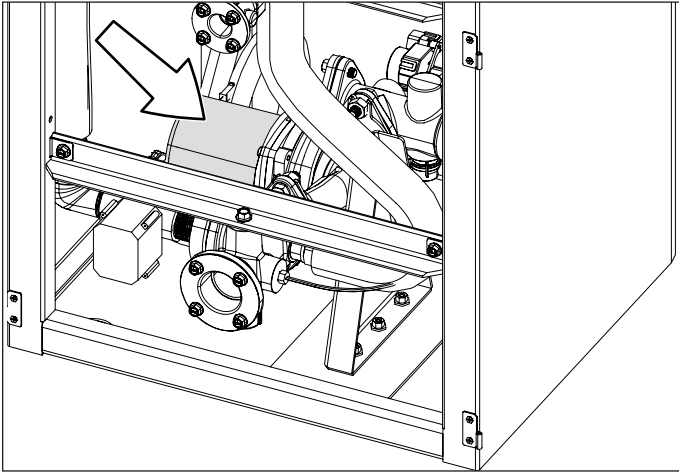


14. Maintenance

14.1 Maintenance-Free Circulation Pump

The circulation pump is maintenance-free and does not require any servicing. The only adjustment is the speed setting, which must be set to Speed 3 (III).



NOTICE

This heater includes an external Wye-Strainer. The Wye strainer must be installed to qualify for unit warranty.

Clean the Wye strainer every 3 months.

Take out and clean the internal condensate hose. Refill it with fresh water and reconnect it. This needs to be done every 3 months.

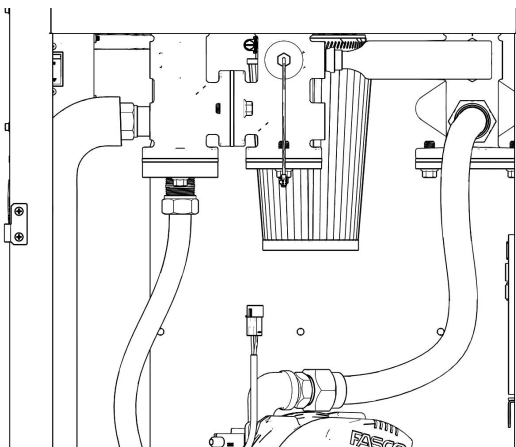
14.2 Air Filter

14.2.1 Inspection

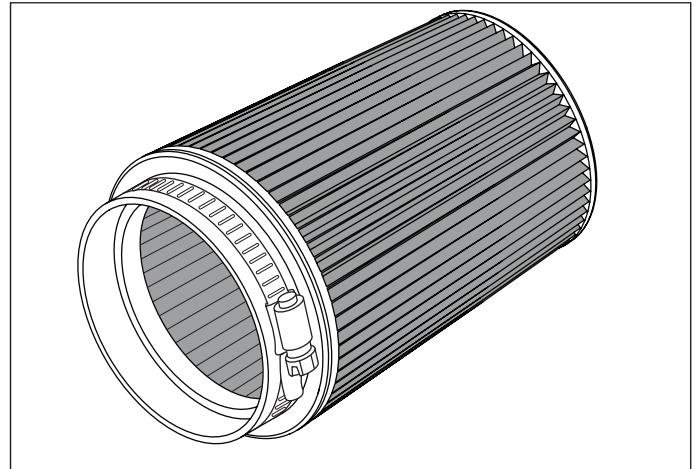
Check the filter every six months for dirt and dust build-up. Clean and re-oil the filter annually. If the filter is dirty, follow the cleaning procedure.

Note: The air filter is manufactured by K&N. Contact K&N at 800-858-3333 or online at www.knfilters.com for the necessary supplies to clean the filter.

1. The filter located at the front top. Loosen the band clamp and remove the air filter.



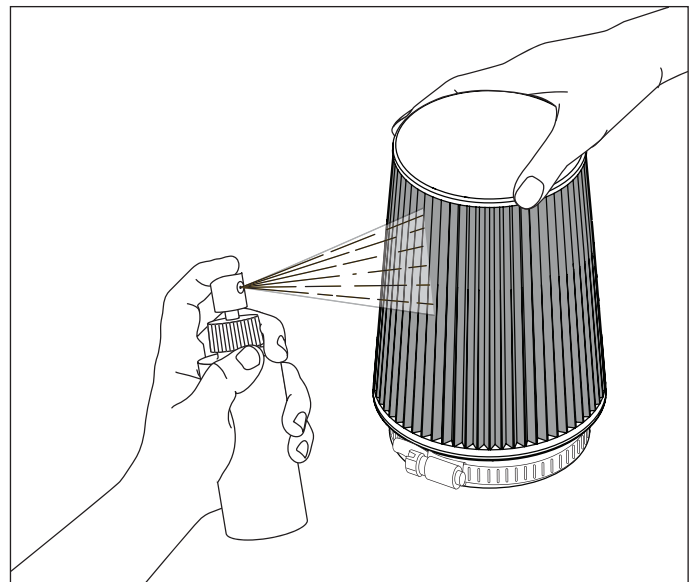
2. Inspect the inside of the filter for dirt and dust build-up. Clean the filter, if needed.



3. After inspection and/or cleaning, replace the air filter and snugly tighten the band clamp.

14.2.2 Cleaning Procedure

1. Liberally spray K&N Air Filter Cleaner and Degreaser (99-0606) onto both sides of filter and allow to soak for 10 minutes to loosen the dirt. Do not allow cleaner to dry on air filter.



NOTICE

K&N Air Filter Cleaner is the only cleaner formulated to safely clean K&N air filters with cotton media. The use of any other cleaning solution could damage the cotton material.

2. Rinse the air filter with cool low-pressure water applied from the outside inward in order to flush the dirt out of the filter. Continue to rinse the filter until all traces of cleaner are gone. It may be necessary to repeat Steps 1 and 2.

3. After rinsing, gently shake off the excess water and air dry the filter.

NOTICE

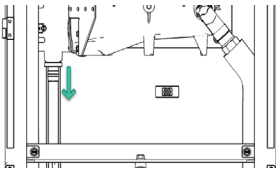
Do not use compressed air to dry the filter. Do not apply oil to the filter until it is completely dry.

4. Spray K&N Aerosol Air Filter Oil (99-0504) evenly along the crown of each pleat holding nozzle about 3" away. Allow oil to wick for approximately 20 minutes. Touch up any light areas on either side of the filter until there is a uniform red color at all areas.

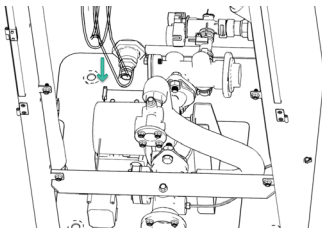
14.3 Condensate Cleaning

14.3.1 Internal loop system

1. The condensate is acidic, so please wear gloves. Have a container ready to capture any condensate that may be spilling.
2. Turn off the unit.
3. To remove the condensate hose (top), locate the adapter at the side cast and detach it from the fitting.



4. Drain condensate from the hose into the container.
5. Remove the condensate hose from the fittings at the bottom



6. Remove the entire condensate hose out of the cabinet.
7. Pour water from the top of the hose and flip it to the drain



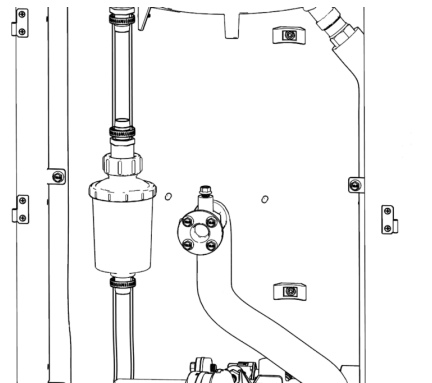
8. Pour water from the bottom of the hose and flip it to the drain



9. Pour water from the top to make sure it comes out from the bottom. Clean the loop
10. Connect the condensate hose to the burp fittings at the bottom
11. Connect the condensate hose to the adapter located at the side cast
12. Turn ON the unit. Make sure there are no leaks coming out of the condensate connections.

14.3.2 Internal Trap system

The sediment cup is located inside the water heater cabinet. This cup should be removed and cleaned **every 3 months or as often as necessary.**



1. Twist the bottom of the sediment cup to release the locking clips.
2. Pull down on the sediment cup and pull it away from the upper portion of the unit. The sediment cup will normally be full of condensate. Carefully, pour the condensate into a container and properly dispose of it
3. Remove any dirt and debris build-up using soap and warm water.
4. Replace the inner sediment cup and reattach the entire unit.