

MASH & BOIL WITH PUMP - CLEARING A CLOG

WARNING! ELECTROCUTION DANGER

Be sure to take all safety precautions, and unplug the unit before opening. Do not attempt if you do not have experience in electrical wiring.

DIAGNOSIS: If your Mash & Boil with Pump is not pumping but making a buzzing sound when the pump is on, the inlet to the pump is clogged with hop or trub material. If you cannot clear the clog by blowing on the outlet pipe for the recirculation arm, you will need to disassemble and clear the clog.

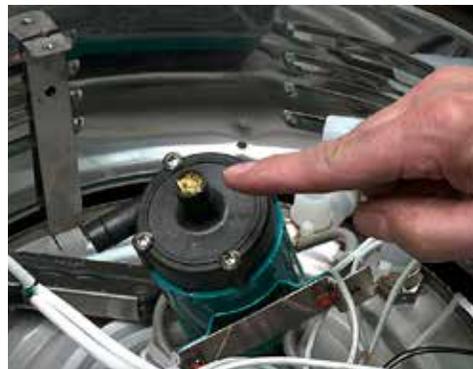
Clogs are very likely if you use whole hops, or if you use a lot of hops, and pump out after the boil into a counter flow chiller. Using a hop spider during the boil will help reduce the risk of clogs.



1. UNPLUG THE UNIT. Using a medium phillips, unscrew the three screws holding the base on. Note the position of the base and the hole for the reset switch, as you will need to replace it in the same position for the reset switch to fit through the hole. It is helpful to put some tape on the edge of the plastic bottom and another piece on the boiler to have alignment marks when you put the base back on.



2. REMOVE THE TOP HOSE Using your fingers and a screwdriver, compress the top hose clamp and slide the nylon tie off the pump, and then pry the hose off with your screwdriver. Repeat this procedure with the bottom hose until the pump is free except for its wires.



3. REMOVE THE CLOG The clog is always on the inlet side. Remove the 4 phillips screws holding the pump head and impeller on, and set aside to clean the hop clog from the inlet. Once the head assembly is clear, flush out the pump head. Do not loose the O ring or impeller.



Once the head is cleaned, reassemble in the reverse order, taking care to tighten the pump head screws evenly, and slide the silicone hoses fully over the pump inlet and outlet, also sliding the nylon tie off and hose clamp so they are on securely. Replace the base and you are ready to go.