

OPERATING INSTRUCTIONS FOR STEAM BOILER
ST MODEL AUTOMATIC COMPOUND FEEDER WITH PERISTALTIC PUMP

I. ADDING OF BOILER COMPOUND

1. Turn off electric power to feeder motor.
2. Through small round filler cap add correct amount of compound(s) as shown on sheet CPS-K-125-P for the size boiler and compound feeder tank.
3. Fill the balance of the tank to near the top with soft water and stir thoroughly. **CAUTION: DO NOT SPLASH COMPOUND OR WATER ON FEEDER MOTOR.**
4. When oxygen scavenger is used, see Bulletin OS-125.
5. Every 8 hours of operation or as required, stir the solution thoroughly.
6. Be sure adequate solution is kept in the tank and the level does not fall below the foot strainer. The maximum running time on each size tank is approximately ____ hours for 15 gallon tank, ____ hours for 30 gallon tank and ____ hours for 50 gallon tank. Keep the lid and fill cover on tank at all times.

II. SERVICING CHEMICAL FEED PUMP

1. **Caution:** Always, turn off electric power to chemical Feed pump motor before servicing.
2. The chemical feed pump is a Peristaltic type with a fixed flow rate of approximately .28 gallons per hour. No servicing should be required of the pump motor itself.
3. Periodically the pump tube assembly will require replacement. Check frequently and replace if cracking appears or if there is a loss of capacity. When changing the pump tube assembly, turn off motor and follow instructions on Tube Threading Instruction Sheet. Two pump tube assemblies are shipped with each complete chemical feed pump kit.

III. MAINTENANCE

1. Every 60 days or as needed, clean and wash out compound tank thoroughly.
2. Every year or when pump assembly requires replacement or as needed, the connecting tubing should be disassembled and cleaned. See Installation Instructions to reassemble. Tubing should be replaced as needed.
3. Be sure all fittings and connections are properly tightened so that there are no leaks or drippage. Every 60 days or as needed, place one or two drops of silicone oil (provided) on each roller shaft. Do not over lubricate or the rollers may slip along the tubing causing premature wear of the pump tube.

IMPORTANT

1. Always keep top cover on feeder tank, stir compound thoroughly each day.
2. Do not use pliers or wrench on pump fittings.
3. Do not be alarmed if pump motor runs hot, as this type motor operates at 50°F temperature rise.