



# TECHNICAL BULLETIN

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## Controlling Chlorine Output with an ORP

Using an ORP to control the feeder will increase the solution concentration in the feeder during periods of inactivity. These higher than normal concentrations may cause the feeder to overshoot the ORP set-point. To control the effects of these spikes in chlorine concentration, a "trial and error" approach is required. Follow the steps as listed:

- a. Adjust the proportional feed feature of the ORP to prevent overshooting the set-point
- b. Remove tablets from the feeder and lower the cartridge feed rate setting
- c. Decrease the flow rate through the feeder.

The impact of these higher concentrations is more pronounced on smaller bodies of water such as spas and small pools.

## Limiting Tablet Particles from Feeder

There is a potential for the feeder to form small chunks of particles from the tablets during the feed process on an ORP kit. The steps for controlling chlorine output with an ORP controller, specifically keeping a minimum amount of tablets in the cartridge and lowering the flow rate to an acceptable flow capable of maintaining required chlorine levels, also help stop the particles from exiting the feeder.

If there is full flow going through the feeder but it is still barely able to keep up with demand, then it most likely is undersized for the pool. A second feeder installed in parallel as described on page 12 of the operator's manual is needed to provide additional chlorine output. This extra chlorine output will allow you to lower the flow rate through the feeder while providing the needed chlorine output.

Action is underway to correct the issue of particle generation at the root cause for systems used with ORP kits. A technical bulletin will be released with updated information when a permanent solution is identified.

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