

Preventing Chemical Feeder Failures

Focus: Stenner Pumps, Cal Hypo Feeders, and ChlorKing Salt Systems

Chemical feeders are the heart of your pool's water quality system — but without regular preventative maintenance, even the best equipment can fail. Equipment downtime, chemical imbalance, and unsafe water can often be traced back to skipped maintenance tasks. Stay ahead of problems with these simple, proactive steps.

Regular Inspection and Cleaning

Stenner Pumps:

- ✓ Inspect suction tubing, discharge tubing, and injection points weekly for cracks, air bubbles, or chemical buildup.
- ✓ Remove pump head cover monthly and wipe down the rollers and housing to prevent tubing wear.
- ✓ Clean around the pump motor vents to prevent overheating from debris buildup.

Cal Hypo Feeders:

- ✓ Empty and rinse feeder bowls weekly to remove calcium deposits and prevent clogging.
- ✓ Check and clean the water erosion point or venturi to maintain consistent chemical delivery.
- ✓ Remove and clean the screens monthly to prevent feeder blockages.

ChlorKing Salt Systems:

- ✓ Visually inspect cell plates weekly for calcium scale buildup.
- ✓ If scale is present, follow the manufacturer's acid wash procedure using a mild solution (typically 4 parts water to 1 part acid) or run an acid rinse on the cell.
- ✓ Clean any inline strainers monthly to ensure proper water flow across the cell.

Monitor for Clogs and Blockages

Stenner Pumps:

- ✓ Look for signs of reduced chemical feed rates or loss of prime — these often point to clogged suction lines or worn tubing.
- ✓ If the pump is "clicking" but not feeding, immediately inspect for blockages at the injection point.

Cal Hypo Feeders:

- ✓ Check for buildup of undissolved chemical in the hopper or tanks daily, especially in high-use pools.
- ✓ Flush feeder lines monthly to remove any dried material that can restrict flow.

ChlorKing Salt Systems:

- ✓ Check for low flow alarms or "No Flow" errors daily. These can indicate clogged filters, dirty strainers, or scaling inside plumbing leading to the cell.

<p>Scheduled Parts Replacement</p>	<p>Stenner Pumps:</p> <ul style="list-style-type: none"> ✓ Replace pump tubes every 6 months or at the first sign of wear (flattening, cracking, or leaking). ✓ Replace pump rollers annually to maintain consistent chemical feed rates. <p>Cal Hypo Feeders:</p> <ul style="list-style-type: none"> ✓ Replace venturi nozzles, feed discs, and filter screens annually or sooner if dosing becomes inconsistent. ✓ Check float switches quarterly for proper operation; replace if they are sticking or not responding. <p>ChlorKing Salt Systems:</p> <ul style="list-style-type: none"> ✓ Inspect sacrificial anodes during every scheduled maintenance – replace when significantly worn. ✓ Replace seals and gaskets on the generator cell annually to prevent leaks.
<p>Confirm Proper Priming and Calibration</p>	<p>Stenner Pumps:</p> <ul style="list-style-type: none"> ✓ After any tube or head service, manually prime the pump using the external prime switch before returning to normal operation. ✓ Tighten any connections. <p>Cal Hypo Feeders:</p> <ul style="list-style-type: none"> ✓ After cleaning the feeder or feed lines, ensure the venturi prime is restored and feeder startup sequences are verified. ✓ Test chemical delivery rates and adjust feed settings to match updated pool demand. <p>ChlorKing Salt Systems:</p> <ul style="list-style-type: none"> ✓ After cleaning or descaling the cell, verify salt concentration and recalibrate chlorine output targets in the controller. ✓ Re-test water chemistry after recalibration to confirm proper sanitizer levels.
<p>Keep a Maintenance Log</p>	<ul style="list-style-type: none"> ✓ Record inspection dates, part replacements, cleaning dates, and chemical delivery issues in a centralized log. ✓ Note any error codes, alarm activations, or manual adjustments made during routine checks. ✓ Use the log to predict and schedule the next service – staying proactive prevents emergencies!

For more information, or help with your aquatic facility, contact Vivo Support at **888-702-8486** or support@vivopoint.com.