No Flow – Error Light

This error light typically indicates the Flow Switch paddle is "centered" and not being triggered by water flow, or that an air pocket has formed in the cell. This error light causes the Cell to stop generating chlorine.

Troubleshooting:

- Verify that the pump is on and running.
- Verify that you have proper water flow (especially at low pump speeds) without a pocket of air in the Cell housing.
- Verify that water flow is sufficient to fully press the Flow Sensor paddle away from its resting center position. In case you have a variable speed pump, increase flow until the LED turns off.

Additional Troubleshooting:

- Air pocket or air bubbles forming around the salinity sensor (upper backside of cell). Check the following items.
    - This may happen if there is air in the pipe lines or for a few minutes at initial startup. Wait until air bubble disappear. Take steps to ensure the pump doesn't lose prime and that pockets of air aren't forming due to other equipment.
    - Clean filters & strainers. Check water level in the pool, especially at skimmers / suction points.
    - Check for closed valves, pump cavitation, faulty or failing pump, etc…
    - Ensure at least 20 GPM water flow (approximate). If Variable Speed Pump is in use, incrementally raise the RPM's of its lowest setting until air pocket does not form.
    - Slight tilt the cell to lean the controls back to remove air bubble from salinity sensor.
- Flow Switch Paddle is physically stuck at center
    - Remove the cell from its housing and remove debris or scaling that may be causing the paddle to stick.
- Very low or no salinity may cause the water to be unable to be sensed. Ensure proper salinity levels.
- If the "Water Flow" LED remains on, the Cell may require replacement.

Quick Reference

See previous sections for more detailed explanations to common scenarios, diagnostic readings, and warning lights.

SCENARIO:	POSSIBLE CAUSE:	SUGGESTED ACTION:
Low or no chlorine residual in pool	Insufficient Chlorine Output Level	Increase Output Level. This is often required seasonally with increasing temperatures.
(Also cloudy water, green pool)	Insufficient run time	Increase run time to at least 1 hour per 10° ambient temp. Ensure 1.5-2x filter turnover.
	Heavy pool use, inclement weather, organic matter	Activate Super CL mode or chemically shock pool.
	Water chemistry issues, such as: Low Chlorine Stabilizer Low salt in pool Phosphates in pool Nitrates in pool	Contact pool professional, ensure all chemicals on page 8 are within range.
	Cell is dirty, clogged, or has excessive scaling or mineral build-up	Remove Cell from plumbing, inspect and clean (see page 11).
	Inactive unit, flow switch not triggered	Inspect Flow Switch, verify sufficient water flow
	Inactive unit, power is off	Turn on system, or see “No Power”
Low or no Chlorine residual in pool after recent installation	Water chemistry was not balanced prior to system installation and a high chlorine demand persists	Contact pool professional, ensure all chemicals on p.6 are within range, chemically shock pool if necessary. Run system at maximum output.
	System hasn’t been running	Double check all connections, verify system runs in sync with circulation pump.
No Power	System is turned off	Turn system on, verify circulation pump is active
	Problem with input power, voltage, or configuration of system wiring	Have a professional test input power & ensure correct wiring configuration & connections.
	Reset has tripped	Allow one hour to cool.
	Other malfunction in unit	Contact customer support
Chlorine Output LED blinking	The level has been increased/decreased	This is normal after pressing +/-, or during low temperature
Clean Cell LED is on (Has priority over salinity LED indicators)	It is time to clean the Electrolytic Cell.	The Cell must be cleaned (see page 11 for instructions).
	Salinity is out of range	Verify salinity (see pages 6-7).
	Cell efficiency has been greatly reduced	Inadequate water flow exists, or Cell must be replaced.
Low Salt LED is on	Salinity is out of range	Manually verify salinity (see pages 6-7).
	Cell is dirty or clogged	Inspect and clean Cell if necessary.

WARNING – Always make sure the input power is completely disconnected before attempting any troubleshooting procedures.
All troubleshooting should be done by a qualified professional.

No Flow LED is on	Insufficient water flow or air bubbles	This may happen temporarily if there is air in the lines at initial startup. Check water level, pump cavitation, air or blockages in plumbing, and all valves & seals. Clean filters & strainers.
	Obstruction or build up on or around flow switch paddle	Dismantle Cell and remove debris to ensure flow switch paddle moves freely.
Water leak	O-Ring improperly seated	Ensure O-Rings are clean and in good condition.
	Threaded collars are cross-threaded or pipes are misaligned	Inspect threads for damage, ensure that each screws back on without resistance.
Cell frequently has mineral buildup	This is due to imbalanced water chemistry and a high Saturation Index	Ensure that your Saturation Index is at or near zero, in order to avoid damage or premature cell failure. (page 8)
Cell never or rarely has mineral buildup	Water may be corrosive due to imbalanced water chemistry and a low Saturation Index	Ensure that your Saturation Index is at or near zero, in order to avoid damage or premature cell failure. (page 8)
Cold Water LED is on	Winter Mode is activated	Water temp is less than 64°. No further action req.
Chlorine Output level does not reach 100%	Cell is dirty or clogged	Clean Cell (see page 11).
	Damaged Cell or Cell cable	Contact Customer Support.
Cell Life Low LED is on	If salinity is within range, system has reached the end of its lifespan, cell blades are worn.	Cell is reaching its working capacity limit. Cell must be replaced once "Cell Life Low" LED is on and Chlorine Output setting won't reach 100%. Replacement cells are readily available for purchase from your local dealer or at www.circupool.com
System Error LED is blinking	Debris is stuck in the electrical connection between Cell and Control Module	Remove Control Module from the Cell. Clean the electrical connection from any debris stuck in it. Wipe with a dry cloth.
	Other communication problem between Cell and Control Module	Contact Customer Support
System Error LED is on	Debris is stuck in the electrical connection between Cell and Control Module	Remove Control Module from the Cell. Clean the electrical connection from any debris stuck in it. Wipe with a dry cloth.
	Cell blades are dirty or worn	Inspect Cell for debris or scaling, clean if necessary. Replace Cell if damaged or worn.
	A more serious error has occurred	Contact Customer Support.
All LED lights flashing	Salt level may be greatly out of range	Manually verify salinity (see pages 6-7).

For more information or troubleshooting, visit www.circupool.com/help

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