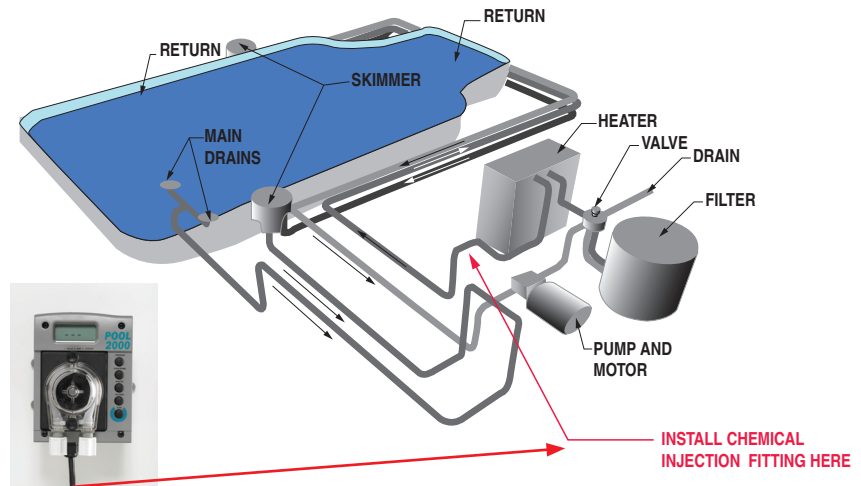


Beta Plunges into the Pool and Spa Market

Introducing PoolShot, Pool-2000 and Pool Tahoe



Beta is expanding its line of cutting-edge small chemical pumps into the growing pool and spa industry—a fertile and as-yet uncharted frontier. “Our products are a perfect match for this market,” says Doug Bragdon, Marketing Manager for Beta. “They’re easy to install, easy to use. You don’t need to be an expert to use them.”

Beta’s new Pool and Spa lineup includes:



Pool Tahoe

An affordable, dependable doser with easy setup via three dials, Pool Tahoe is the perfect choice for delivering chemical based on requests from a controller. Its tubing is compatible with hydrochloric acid and sodium hypochlorite.



PoolShot

PoolShot is a microprocessor-controlled dosing system designed for applications with a fairly consistent bather load, including swimming pools, hot tubs, fountains and ponds. It supports run times from as little as one second in 40 minutes to as much as 20 minutes continuous duty. Its tubing is compatible with hydrochloric acid, sodium hypochlorite, flocking agents and algacides.



Pool-2000

Pool-2000 is a microprocessor-controlled dosing system that allows for greater dosing flexibility. Ideal for applications with varying bather load, it can be programmed with variable, separate doses, 1 per hour on a 24-hour 7-day clock. A backup battery keeps the clock running in the event of power interruption. It is available for use with a battery pack for situations where line power is inaccessible.

Because these pumps are so light-weight and easy to install and operate, it doesn’t matter whether you’re a pool maintenance professional, or just an individual with a pool or spa in your backyard. Beta’s dosing systems will work for you.

For further information please
call customer service at
(831) 426-0882,
or fax to
(800) 221-8416 within the
U.S., or
(01) (831) 423-4573 from
outside the U.S.

Summit E: Flow Switch Troubleshooting

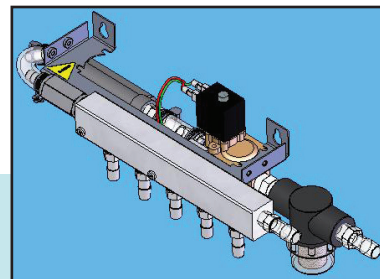
Q &A with Mike Racine, Technical Support

Q: I can't prime any Summit E pumps during installation. What is going on?"

- A: 1. Your manifold harness might not be connected properly. Verify that you see the transport screen (XPRT) while in Program Mode. You may need to power the unit down and back on to recognize XPRT screen in Program mode.
2. You might not have adequate water supply flowing through manifold at all times. Summit E's manifold is designed to perform within inlet water pressure of 15 to 60PSI. Optimum performance would be inlet pressures between 20 and 60 psi.
3. Your chemical supply lines might be too narrow. If you are teeing together multiple Summit E's, make sure the main chemical supply line is at least 3/4" ID and that any branch lines to pumps are 1/2" ID.
4. Your flow switch electrical connections might be flawed. Check the following:
- A. Ensure electrical continuity to switch wires. Proper operation is open-circuit when there is no flow and a closed-circuit when there is flow (above 0.3 GPM).
 - B. When using the gray flow switch, ensure that the small interface PCB is in place on the pump box PCB prior to connecting the manifold harness. This PCB is necessary because the gray switch's continuity is reversed from the older, black switch.
 - C. On older manifolds with black flow switch: The small interface PCB is not to be used. The manifold harness connects directly to pump box PCB. Ensure electrical continuity to flow switch wires; proper operation is closed circuit when there is no flow and open circuit when there is adequate flow (above 0.25 GPM).
5. Your flow switch might be clogged with debris. Check the flow switch internally by removing the plunger and spring and inspect it for debris. On older, black flow switches, remove the external nut in order to remove the plunger and spring. On the newer gray flow switches, remove the inlet barb and the round retainer that holds in the spring and plunger. Clean switch as necessary and reassemble. If continuity still isn't correct, replace switch.
6. The water filter may be dirty. Visually inspect it, removing the filter cover and cleaning the mesh if necessary.
7. Check to see if solenoid valve is getting energized when trying to prime. Check for 24VDC at coil connections while trying to prime. You should here a noticeable "click" when the solenoid is activated and simultaneously when you depress the ACTION key on the programmer. You can also electrically check for resistance across the solenoid coil. You should measure approx 80 ohms with newer manifolds (with grey flow switches), and 60 ohms with older manifolds (with black flow switches). If you have voltage and proper resistance then there is something physically impeding the plunger from traveling within the valve. Try servicing the solenoid valve components (on older manifolds only). Note the solenoid valve that is on the newer style manifolds is not serviceable and should be replaced.
8. You might not be holding the ACTION key down long enough. Be sure to hold it down for at least 2 seconds.
- Other things to look for:
- Obstructed transport line to washer. Use nothing less than 1/2" ID flush tubing to washer. Make sure this line is not kinked or installed below washer fill line (causing back pressure).
 - Check to see if chemical motor drive harness is disconnected or connected incorrectly.
 - Check function of grey check valve at inlet of manifold. There could be a restriction causing reduced flow.

Q: Sometimes I get "No Flow" errors displayed on programmer screen, what's wrong?

- A: 1. If using a flush manifold, "no flow" normally means system flow rate has dropped below 0.25 GPM during or at the beginning of a feed to washer. Check for adequate water supply and function of flow switches covered in above troubleshooting section on priming. Sometimes "No Flow" is caused by water hammer and can be reduced by routing the water supply through a long hose rather than a pipe.
2. It is important to program the "End pump" assignment for each formula so Summit E can clear any no-flow alarms at the end of each cycle. The End pump is simply the last pump run of any programmed formula. In many cases, the Summit E records the no-flow event, and if the End pump is never assigned, the no-flow isn't cleared until power is removed. Assignment of the End pump will prevent this constant alarm condition.
3. Other reasons for "no flow" error:
- In Relay mode only, if trigger has failed and is on for more than 5 minutes.
 - If any pump runs more than 5 minutes continuously.



Sierra Washer Hold : Tackling Toughest Warewash Problems

What are three of the biggest impediments to customer retention?

1. Poor results.
2. Health Department issues.
3. Inconsistent product usage.



Here's how to tackle them!

Problem	Solution
Results can suffer due to the buildup of soil in the wash tank. To eliminate this problem, the water must be dumped regularly. Unfortunately, some employees forget to do this.	Sierra can shut down their washer when the programmed number of dish racks has been washed, so they know to drain and refill the tank.
When chemical runs out, you lose money, the level of cleanliness suffers, and your customers lose their customers and money. Unfortunately, some employees forget to replace the chemicals.	Sierra will shut down the washer when the probe and/or low-level lance senses that there is no product
If your customer is written up by the Health Department based around something to do with your products or equipment, it can negatively affect account retention.	Using a low product lance for the sanitizer will shut down there washer until they replace the empty sanitizer container.
When a customer's product usage fluctuates noticeably, it negatively affects account retention. Unfortunately, customer's employees replacing product inconsistently can cause this, as can inconsistent feeds from dispensers that cannot automatically correct for probe scale.	Sierra has patented Virtual Clean Probe™ technology. This ensures steady detergent usage even when the probe scales or other conditions change, whereas other dispensers fail.

In short, you can now confidently go to a prospective account and say, "I can provide you with much better results at a stable cost and show you how to use your own washer to ensure that your employees change product containers and replace dirty wash water as needed; the whole time protecting you from Health Department 'out of sanitizer' issues."



VCP™ compensates for changing conditions, ensuring steady detergent usage even when probe is scaled.

Useful Information for ILS, ILS Max, ILS MaxT and ILS OPL

Simple Steps for Accessing Test Mode to Prime Pumps on Multi-washer Systems

ILS Max/ILS Max T/ILS

1. Turn power off to dispenser.
2. Re-apply power and simultaneously depress the MENU key while unit is restarting. The first screen shown is chemical pump test screen.

ILS OPL

1. Turn power off to dispenser.
2. Re-apply power and simultaneously depress the "blue" button on PCB while unit is restarting. The first screen shown is chemical pump test screen.

Beta announces new Vice President of Global Marketing

Beta is pleased to announce the appointment of Jim Scolaro as the new Vice President of Global Marketing. In his new role, Jim will be working with each region to ensure Beta is delivering a strategic and innovative portfolio of products, world-class technical support, and a best-in-class sales team.

Prior to coming to Beta, Jim spent 14 years working with a global cleaning chemical firm in a multitude of roles including Sales, Research & Development, Customer Service and Marketing. "I am extremely excited to begin my new role with Beta", says Jim. "The quality and talent within this organization is top-notch. I believe we are positioned to realize our high-growth potential by ensuring we are focused on delivering innovative solutions and service to meet our customer needs."

Jim and his family currently reside in Wisconsin. Welcome to Beta!!



Jim Scolaro

Beta Technology
2841 Mission Street
Santa Cruz CA, 95060

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U.S. POSTAGE
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SANTA CRUZ CA
PERMIT #552

For further information
please call customer service
at
(831) 426-0882,
or fax this to
(800) 221-8416 within the
U.S., or
(01) (831) 423-4573

www.beta-technology.com