

Equipment Technical Bulletin

Summit OPL Flush Mandatory Firmware Upgrade



PROBLEM

Summit OPL units with firmware V1.00 or V1.01 can pump chemical into the manifold without flush if:

- Water sediments make the flow switch stick in the “flow present” position
- Then the power is turned off and then on.
- NOTE: When the flow switch sticks in the “Flow Present” position, the “No Flow” error message does not appear.

When this happens there is a danger of chlorine gas if chlorine bleach and acid sour are being used, or possible explosion in the case of alkali and peroxide.

This ETB applies only to white programmer versions of Summit; it does not apply to gray programmer versions of Summit

SOLUTION

Summit units that use flush manifolds in the field need have their programmer (code #068742) replaced on their next service call. Summit OPL firmware resides in the programmer.

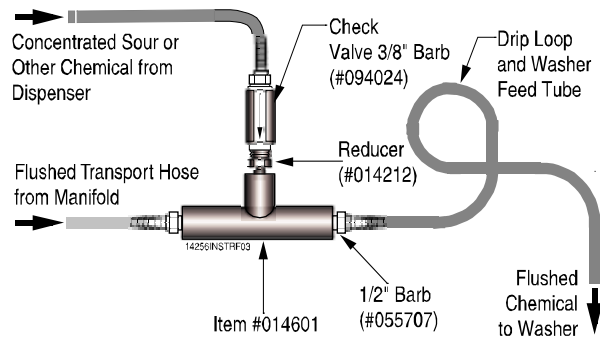
New programmer with new firmware: Check the firmware version displayed on the programmer at powerup; if it's V1.00 or V1.01, you need to replace it with a new programmer (code #068742). All programmers shipped from Beta after April 1st, 2004 have the new firmware version 1.02.

To change out programmers, use a cloning adapter 069458 to clone the old programmer's setup information to the new programmer. Leave the new ver 1.02 programmer attached to the pumpbox, and return the old programmer to Beta so it can be refurbished.

The new firmware makes changes as follows:

- In the event of any flow switch failure, the L5000 will issue a “No Flow” error message.
- To remove a flush from a dispenser, the flush time must be manually changed to 0 in the flush screen, and then the power turned off/on.
- Default flush time increased from 1 to 10 seconds.

Pumping incompatible chemicals: Per the dispenser manual, incompatible chemicals must not both be pumped into the manifold. If you are pumping both alkali and peroxide or chlorine bleach and sour into the manifold, you need to separate one of them out to be injected downstream from the flush manifold by using a sour flush kit 069505.



SCOPE

These failures have been reported on a very small percentage of manifolds shipped since 2001. These failures have mostly been from chemical attack on older manifolds without a check valve between the manifold and the flow switch. On newer manifolds, water with high iron content or sediment is usually the root cause. Beta is continuing to investigate reliability improvements to reduce these service calls and will announce them as soon as they are available.



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