Equipment Technical Bulletin

Summit XL Flush Mandatory Firmware Upgrade

PROBLEM

Summit XL units with firmware V1.3 or lower 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, a "No Flow" error message will appear. If line power is turned off/on, this error message will disappear and the dispenser will operate as if there is not flush manifold.

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 Summit XL; it does not apply to white programmer versions of Summit OPL.

SOLUTION

Summit XL units that use flush manifolds should have their pump driver PCB (code #1202301) replaced on their next service call.

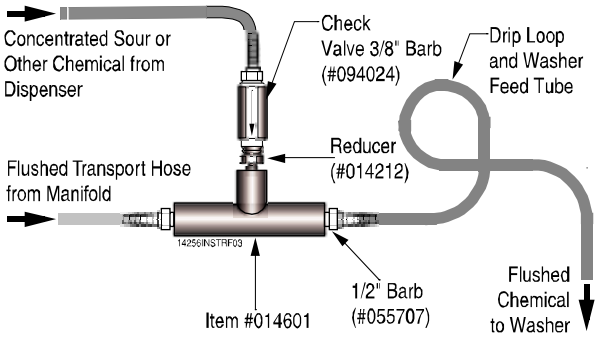
New programmer with new software: Check the firmware version displayed on the programmer at powerup; if it's V1.3 or lower, you need to replace the pumpbox PCB with new version (code #1202301). All dispensers and PCB's shipped after April 1st, 2004 have this new version.

To change the PCB, first upload the setup information into the programmer, then replace the pumpbox PCB, and download the setup information from the programmer into the new pumpbox PCB.

The new firmware makes changes as follows:

- In the event of a flow switch failure, the "No Flow" error message will appear and continue to appear even when line power is cycled off/on.
- 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.

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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