

Equipment Technical Bulletin

Summit OPL and XL Flush Manifold Reliability Upgrade



ISSUE

Laundry dispensers equipped with flush manifolds stop operating or operate in an unsafe manner due to piston sticking in the safety flow switch.

SYMPTOMS

There are two possible symptoms:

- “No Flow” error message if the piston sticks in the “flow present” position.

-OR-

- The dispenser pumps chemical into the manifold without flushing if the piston sticks in the “flow present” position.

SAFETY CONCERNS

If the piston sticks in the “flow present” position, the dispenser could fill the flush manifold with chemicals without flushing them out. This may result in the release of chlorine gas if chlorine bleach and sour are mixed or an explosive condition if alkali and peroxide are mixed.

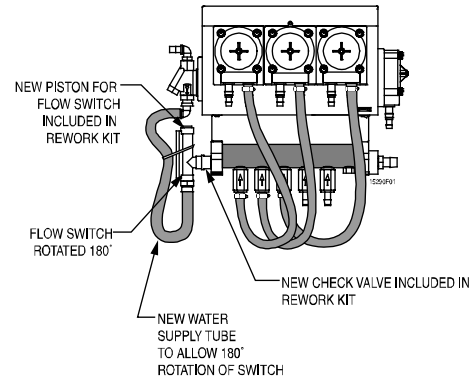
CAUSE

The piston has a tight tolerance in the switch body that makes it highly susceptible to sediment buildup. The check valve between the flow switch and flush manifold does not reliably stop the migration of chemical product back into the flow switch. This can exacerbate sediment accumulation on the piston, ultimately causing it to stick.

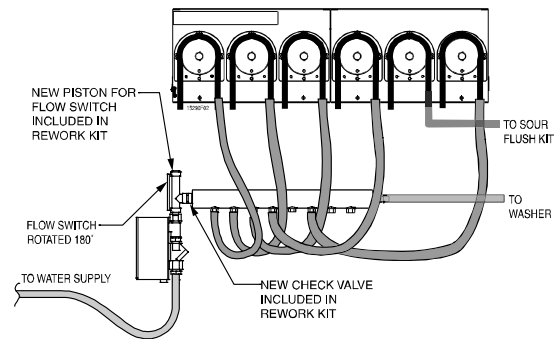
SOLUTION

- An upgrade kit consisting of an improved check valve and looser-tolerance flow switch.

Our lab tests showed an improved resistance to debris in the water supply if the flow switch is rotated 180 degrees. The Installation Instructions with the upgrade kit explain how to do this.



Summit OPL with Flush Manifold and Parts Included in Upgrade Kit



Summit XL with Flush Manifold and Parts Included in Upgrade Kit

ACTION

- Ensure that the firmware was upgraded as specified on Equipment Technical Bulletin titled “Summit OPL Mandatory Flush Manifold Firmware Upgrade” (#15247-00 Rev B, May, 2004) or “Summit XL Mandatory Firmware Upgrade” (#15257-00 Rev B, May 2004).
- Order one of the upgrade kits listed below. Each kit contains a new flow switch piston, tubing and flow switch check valve as well as the programmer/PCB indicated

OPL and XL Flush Manifold Upgrade only (without programmer, Code #1204516

OPL Flush Manifold Upgrade w/Firmware Upgrade (with new programmer), Code #1203943

XL Flush Manifold Upgrade w/Firmware Upgrade (with new PCB), Code #1203983



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