

Flush Manifold and Sour Flush

Installation Instruction and Specifications

SPECIFICATIONS



If water pressure is greater than 20 psi, you must use a pressure regulator, such as code #050892. Set pressure regulator to 20 psi.

Water pressures in excess of 20 psi can prevent pumping of chemical, which can increase rewash and may damage the flow switch, resulting in hazardous manifold pressurization.

Only OPL programmers with version V1.02 or higher firmware should be used with the flush manifold. Previous versions of firmware can allow undiluted chemical to pump into the manifold if the flow switch fails.

Material

PVC manifold, PVC check valve

Water Inlet

0.68 -1.36 bar (10-20 PSI), or up to 1.9 liters (0.5 gallons) per minute, flow interlock at 0.38 liters (0.1 gallons per minute)

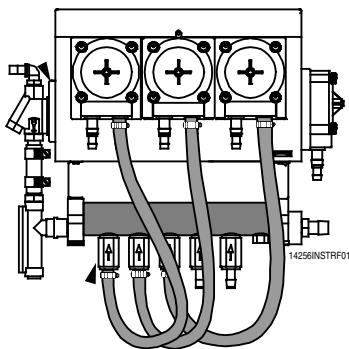
Power

24 VDC, supplied by pump box

TO INSTALL FLUSH MANIFOLD:

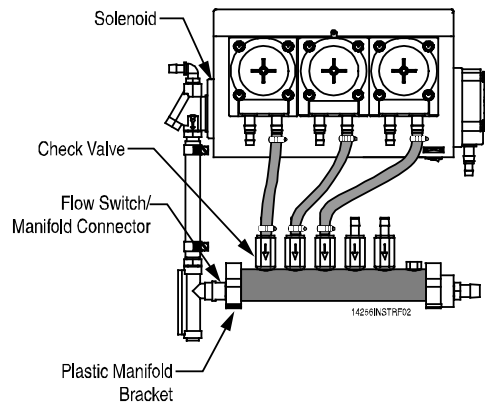
1. Attach plastic manifold clips to the bottom of the dispenser.

CORRECT



Flush Manifold, Mounted on Pump Box

INCORRECT



Flush Manifold, Mounted on Wall

2. Open dispenser enclosure.
3. Remove black plastic mounting plate and hole plug from the left-hand side of the dispenser.
4. Tilt solenoid, inserting it into the left side of the pumpbox with the tube positioned downward.
5. Put the hose clamp over the flow switch barbed fitting.
6. Position the manifold under the pumpbox and insert the barbed fitting into the nylobraid tube under the solenoid.
7. Secure the plastic manifold clips around the manifold, ensuring they 'click' shut. Tighten the hose clamp over the nylobraid tube on the flow switch barb fitting.
8. Insert wire harness through finger bushing into dispenser enclosure.
9. Plug wire harness into MANIFOLD connector on main PCB. Plugged in correctly, the purple wires are on top.
10. Connect the other ends of the purple wires from the MANIFOLD outlet to the solenoid. Cut tubing into sections approximately 16" (40.6 cm) in length.
11. Attach tubes to pump and check valves, fastening them with hose clips. The check valves must be positioned underneath the manifold. This will ensure that no air bubbles come into contact with any synthetic starches, and will prevent starch hardening and clogging. Replace any check valves you won't be using with hole plugs 050890.

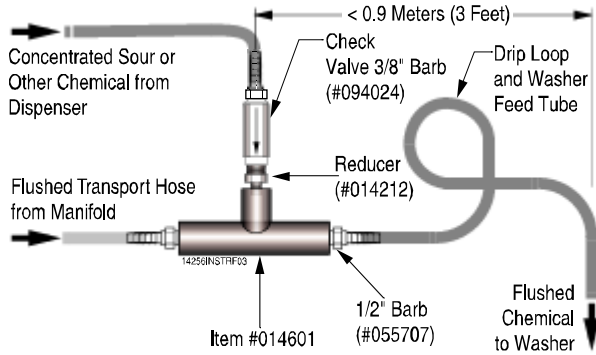


Do not tighten fittings.

SOUR FLUSH INSTALLATION



To prevent mixing of incompatible chemicals, sour and peroxide must be routed to the washer separate from other chemicals. The diagram below shows how to safely integrate sour and peroxide into dispenser system. **To prevent clogging, the check valve must be above the pipe so the flush goes down into it.**



Sour Flush Installation