



Problem	Cause	Corrective Action
Valve will not operate.	1.) Stop valve is closed. 2.) Supply valve is closed.	1.) Open stop valve. 2.) Open supply valve.
Insufficient volume of water to adequately siphon fixture.	1.) Stop valve is not open enough. 2.) Improper diaphragm kit installed. 3.) Insufficient volume or pressure at supply.	1.) Open stop valve for desired volume of water. 2.) Replace with proper gallons-per-flush diaphragm kit. 3.) Measure water pressure. If gauges are not available to measure supply pressure or volume of water at the valve, remove the trip component and reassemble the valve. Then, open the stop valve to allow water to pass through the empty valve. Should this prove unsatisfactory, steps should be taken to increase the pressure and/or supply.
Flush valve shuts off too quickly.	1.) Damaged or punctured diaphragm. 2.) Enlarged by-pass orifice. 3.) Improper diaphragm kit installed.	1.) Replace diaphragm kit. 2.) Replace diaphragm kit. 3.) Replace with proper gallons-per-flush diaphragm kit.
Valve is flushing too long or not shutting off.	1.) Trip mechanism not seating properly due to foreign material between trip mechanism and retainer disc. 2.) By-pass orifice is plugged or partially plugged. 3.) Line pressure is not adequate to force trip mechanism to seal. 4.) Cracked cover. 5.) Debris may be trapped on underside of diaphragm.	1.) Disassemble parts and rinse thoroughly. 2.) Examine by-pass orifice and clean if necessary being certain not to enlarge orifice opening. 3.) Pressure is inadequate or has dropped below minimum operating range. Steps should be taken to increase the line pressure. 4.) Replace cover with new one. 5.) Clean debris from diaphragm kit and be sure no damage has been done to diaphragm.
Water splashes out of fixture.	1.) Supply volume is more than is necessary. 2.) Lime buildup on vortex or spreader holes of fixture.	1.) Turn stop valve clockwise to reduce supply to desired volume. 2.) Remove the lime build up.
Flush is not considered quiet.	1.) Control stop may not be adjusted for quiet operation. 2.) Fixture may be contributing to noise. 3.) Piping system may be source of noise.	1.) Adjust the control stop for quiet operation keeping in mind the fixture evacuation requirements. 2.) Check noise created by fixture by placing a cover over the bowl opening to separate valve noise from bowl noise. If it is determined the fixture is too noisy consult with fixture manufacturer. 3.) High pressure in the system can sometimes be controlled by the stop valve. Other sources of noise may be the absence of air chambers and shock arrestors, loose pipes, improper size pipes, etc. In these cases the building engineer should be consulted.
Chattering noise in flush valve.	1.) The inside cover has been distorted by freezing or abuse.	1.) Replace both inside plastic cover and outside brass cover.
Handle assembly leaking.	1.) Handle assembly is not tight.	1.) Tighten handle assembly.

Care of Chrome Plated Surfaces

The suggested cleaning of chrome plated surfaces is simply to clean them with mild soap and water, then dry. Commercial cleaning compounds are never recommended.

Seasonal Use

Valves used in installations subject to shut down because of cold and freezing conditions should be maintained in the following manner. After the main supply has been shut off and the water drained from the system, remove the stop valve cap and stop valve internals to allow the water to drain from the flush valve itself.

Replacement Parts

Use Zurn replacement parts. Use of any other parts may result in a decline in performance and water savings.

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