

Trouble Shooting Guide Z6003AV-ULF Series



Problem	Cause*	Corrective Action*
Valve will not operate.	1.) Stop valve is closed.	1.) Open stop valve.
-	2.) Supply valve is closed.	2.) Open supply valve.
Insufficient volume of water to	1.) Stop valve not open enough.	1.) Open stop valve for desired volume of water.
adequately flush fixture.	2.) Improper diaphragm kit installed.	2.) Install appropriate Diaphragm kit part # P6000-EUA-ULF.
	3.) Insufficient volume or pressure at supply.	3.) If pressure gauges are not available to measure supply pressure or volume of water at the valve, completely remove the working parts and open the stop valve to allow water to pass through the empty valve. If the water supply proves unsatis- factory, steps should be taken to increase the pres- sure and/or supply.
	4.) Tailpiece flow restrictor is partially or fully blocked.	4.) Close stop valve, unscrew tailpiece nut, and re- move debris from flow restrictor orifice opening.
Flush valve shuts off too quickly.	1.) Damaged or punctured diaphragm.	1.) Install new replacement Diaphragm kit # P6000- EUA-ULF to remedy the problem.
	2.) Enlarged or incorrect bypass orifice.	2.) Install new replacement Diaphragm kit # P6000- EUA-ULF to remedy the problem.
	3.) Cylinder guide assembly and diaphragm assembly are not tight.	3.) Tighten Diaphragm assembly hand tight.
Flush valve is flushing too long or not shutting off.	1.) Trip mechanism not seating properly due to foreign ma- torial between trip mechanism and rational disc	1.) Disassemble parts and rinse thoroughly before re-
	2.) Bypass orifice is partially or fully plugged.	2.) Examine bypass orifice and clean if necessary be-
	3.) Line pressure is not adequate to force trip mechanism to seal.	ing 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 recommendation.
	(1) Creaked sover	increase the line pressure.
	5.) Worn or damaged flow ring	4.) Replace cover with new one.
	5.) Woll of damaged now fing.	5.) Replace diaphragm kit with new P0000-EUA-ULF
Water splashes out of fixture.	6.) Debris may be trapped on underside of diaphragm.	6.) Clean debris from diaphragm kit and be sure no damage has been done to diaphragm.
	1.) Supply volume is greater than necessary.	1.) Adjust control stop screw in a clockwise motion
Flush is not considered quiet.	2.) Lime accumulation on rim distribution holes.	to reduce supply volume.2.) Remove the lime build up within the fixture using a mild, non-abrasive cleaning agent and soft bristle bruch
	1.) Tailpiece flow restrictor plug missing from valve.	1.) Locate flow restrictor plug, and insert into valve tailpiece.
	2.) Control stop may not be adjusted for quiet operation.	2.) Adjust the control stop for quiet operation keep- ing in mind the fixture evacuation requirements
	3.) Piping system may be source of noise.	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
Chattering noise in flush valve.		shock arrestor, loose pipes, improper size pipes, etc. In these cases the building engineer should be consulted.
	1.) Diaphragm has been installed upside down.	1.) Reposition diaphragm as instructed by the mark-
Leaking valve connections.	2.) The inside cover has been distorted by freezing or abuse.	ings on the diaphragm (this side up).2.) Replace both inside plastic cover and outside chrome plated brass cover.
	1.) Valve connection is not tight.	1.) Tighten leaking valve connection using a tooth- less wrench to avoid damaging the decorative fin- ish of the valve.

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 internals to allow the water to drain from the flush valve itself.

Replacement Parts:

Please note the only recommended replacement kit for the Z6003AV-ULF Series valve is part number P6000-EUA-ULF available from Zurn Industries, LLC. Use of any other kit may result in a decline in performance and water savings.

ZURN INDUSTRIES, LLC. ♦ COMMERCIAL BRASS OPERATION ♦ 5900 ELWIN BUCHANAN DRIVE ♦ SANFORD NC 27330 Phone: 1-800-997-3876 ♦ Fax: 919-775-3541 ♦ World Wide Web: www.zurn.com In Canada: ZURN INDUSTRIES LIMITED ♦ 3544 Nashua Drive ♦ Mississauga, Ontario L4V1L2 ♦ Phone: 905-405-8272 Fax: 905-405-1292

Sweat Solder Adapter Installation Instructions

Important:

- All plumbing is to be installed according to the state and local codes and regulations.
- Water supply lines need to allow proper water flow for each fixture.
- Flush all lines of any debris before making connections.
- Do not use pipe sealant or plumbing grease on any fitting other than the control stop inlet.

The AquaVantage[®] valve is designed to operate under various water pressures with a recommended range between 10 and 100 psi (69 to 689 kPa). Each Zurn valve is tested for proper performance at the factory before being shipped. Most ultra low flow fixtures (0.125 GPF) require a minimum of 25 psi running pressure through the valve to obtain proper evacuation. Please be sure to consult the fixture manufacturer on minimum running water supply requirements for proper evacuation.

When installing your quality Zurn valve it is recommended that to protect the polished finish you do not use a toothed wrench. This will cause gouges and scratches on your valve.

STEP 1

Measure distance from finished wall to center line of the fixture spud; cut water supply pipe 1-1/4" shorter than this measurement. Chamfer O.D. and I.D.



STEP 2

Slide threaded adapter onto supply pipe until shoulder stops on end of pipe. Then sweat-solder the adapter to water supply pipe.



STEP 3

Measure from finished wall to first thread of adapter for length of chrome tube. Cut chrome tube this length.



STEP 4

Slide wall escuthceon over supply chrome tube and slide both chrome tube and wall escutcheon over supply pipe pushing the wall escutcheon all the way to the wall.



STEP 5

Screw control stop onto water supply water adaptor.



ZURN INDUSTRIES, LLC. ♦ COMMERCIAL BRASS OPERATION ♦ 5900 ELWIN BUCHANAN DRIVE ♦ SANFORD NC 27330 Phone: 1-800-997-3876 ♦ Fax: 919-775-3541 ♦ World Wide Web: www.zurn.com In Canada: ZURN INDUSTRIES LIMITED ♦ 3544 Nashua Drive ♦ Mississauga, Ontario L4V1L2 ♦ Phone: 905-405-8272 Fax: 905-405-1292