



FLAMINGO



ALFARO N

ELECTRONIC FLUSH VALVES

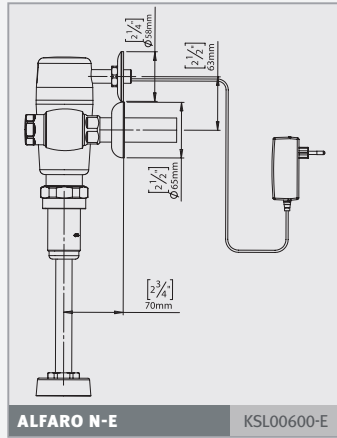
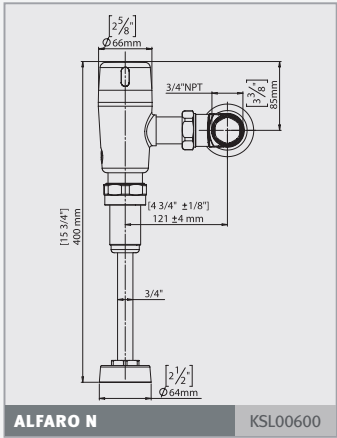
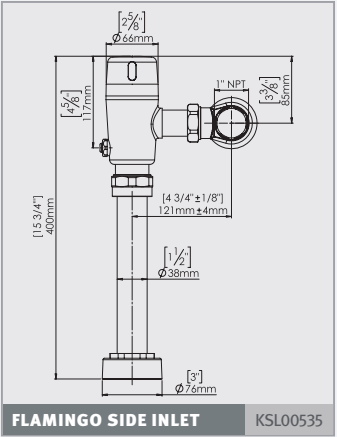
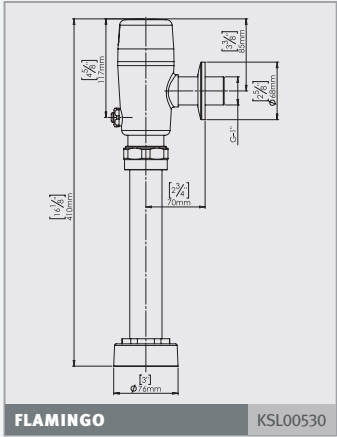
FLAMINGO SERIES

ALFARO N SERIES

INSTALLATION AND MAINTENANCE GUIDE

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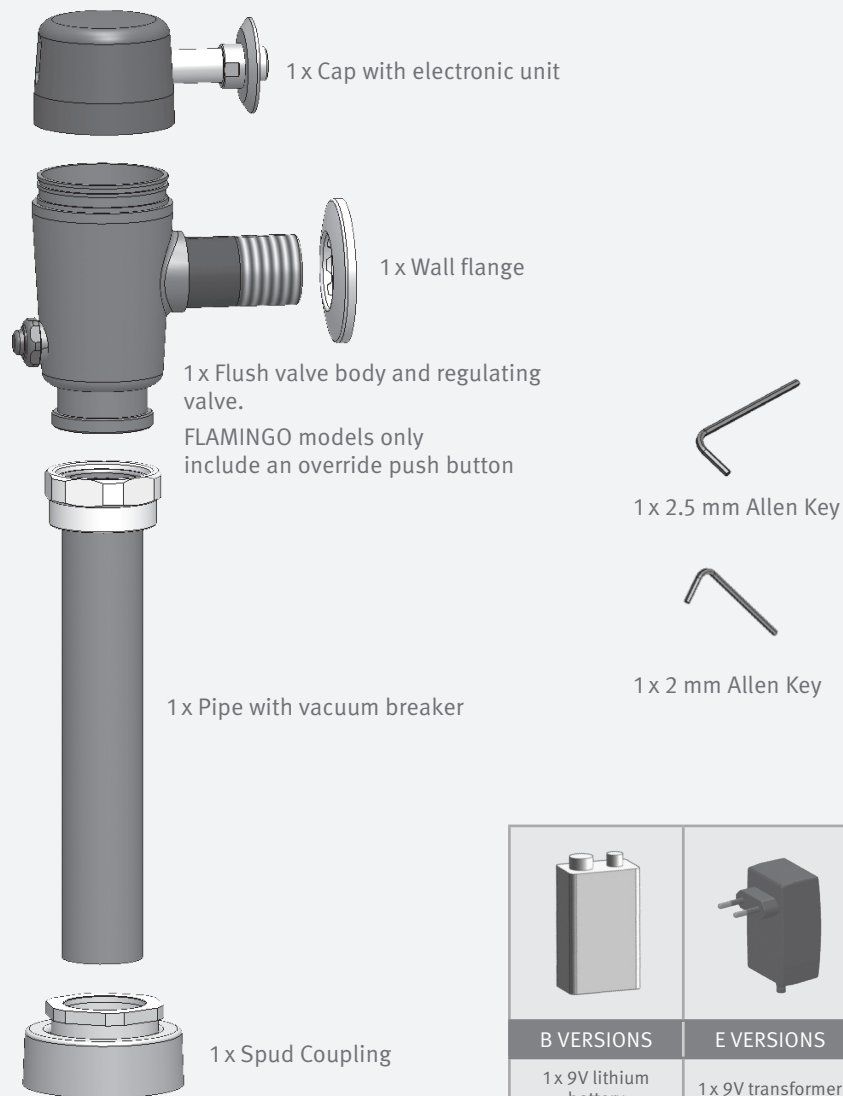


Power supply	Internally mounted 9V battery or 9V transformer
Recommended water pressure	1.0-8.0 bar (14.5-116 PSI) With water pressure of more than 8 bars, use a pressure reducing valve for reduction.
Jupiter sensor range	600 +/- 20MM / 23.62" +/- 0.79" (customizable with optional remote control)
Venus sensor range	650 +/- 20MM / 25.59" +/- 0.79" (customizable with optional remote control)
24 hour automatic flush	Maintains trap seal every 24 hours when not used.
Prior use flush mode	Optional feature for specific models

PACK CONTENTS

FLAMINGO

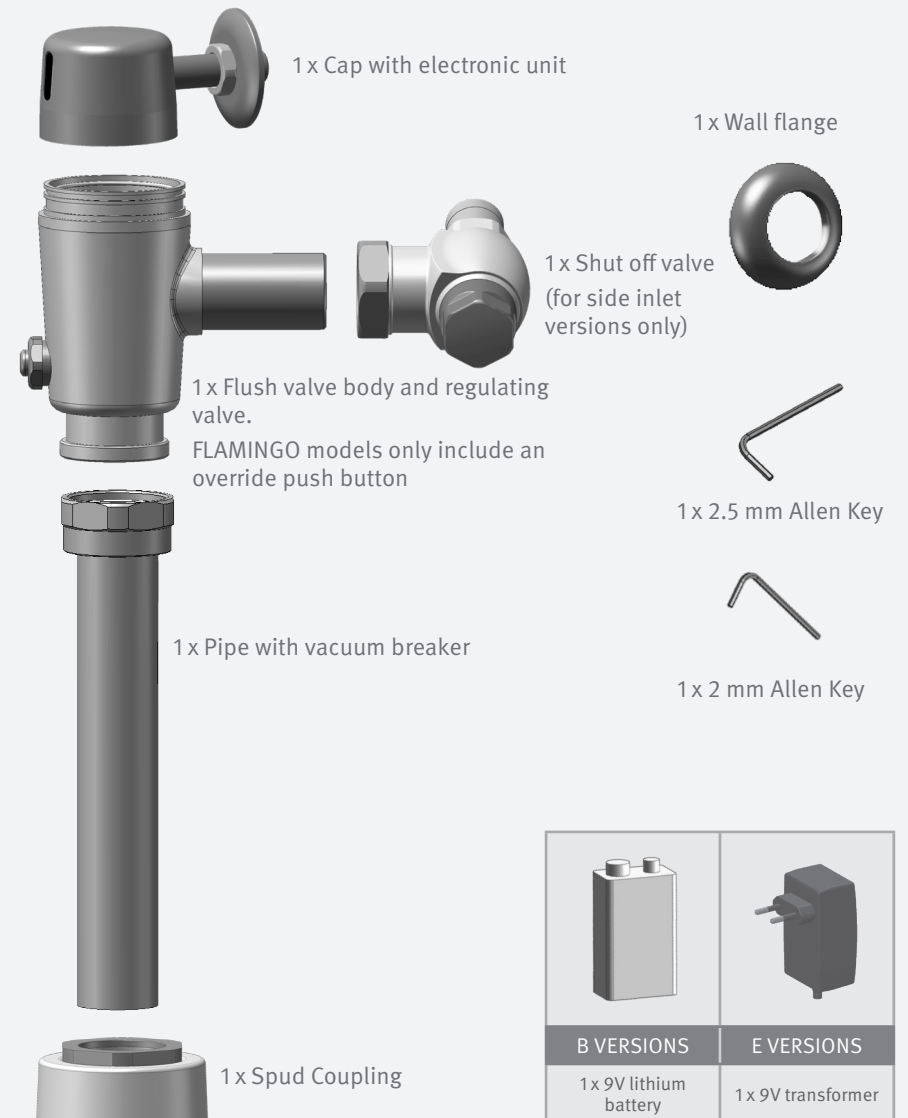
Familiarize yourself with the part names and confirm that the parts are included.



PACK CONTENTS

FLAMINGO SIDE INLET / ALFARO N

Familiarize yourself with the part names and confirm that the parts are included.



PRE-INSTALLATION INFO

CHECK CONTENTS

Separate all parts from the packaging and check each part with the “Pack contents” section.
Pay attention to the different models variations.

Make sure all parts are accounted for before discarding any packaging material.

If any parts are missing, do not attempt to install your electronic faucet until you obtain the missing parts.

WARNINGS

Do not install facing a mirror or any other electronic system operated by an infrared sensor.

To prevent reflection problems, it is recommended to keep a minimum distance of 1.50 meters between the product and any other objects.

NOTE: Keep a minimum distance of 500mm between the upper surface of the bowl and the infrared sensor.

PREPARATION FOR INSTALLATION


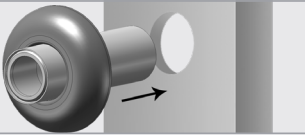
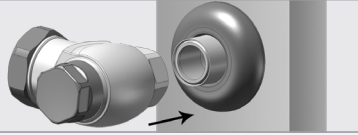
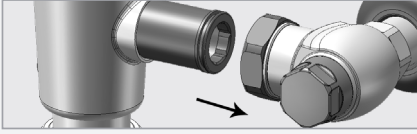
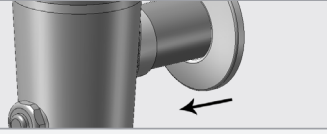
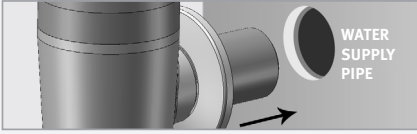
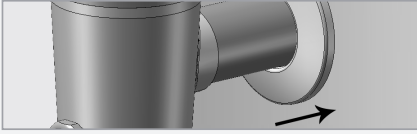
Flush water supply lines thoroughly before installing the product. Do not allow dirt, Teflon tape or metal particles to enter the faucet.

Shut off water supply.


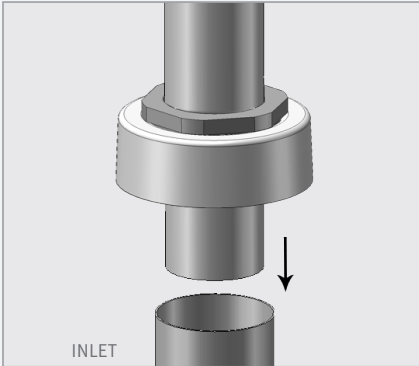
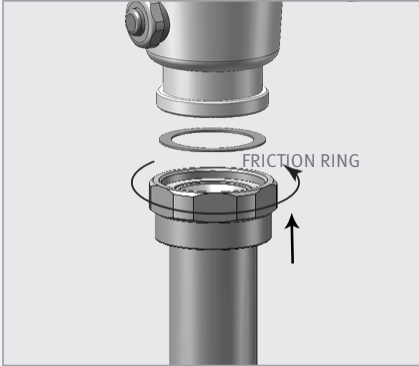
IMPORTANT

All plumbing is to be installed in accordance with applicable codes and regulations.

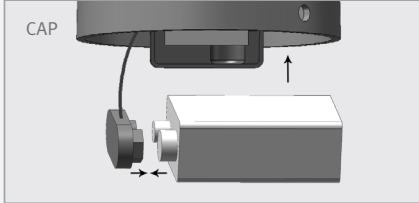
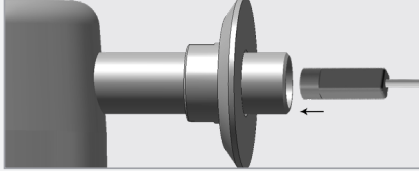
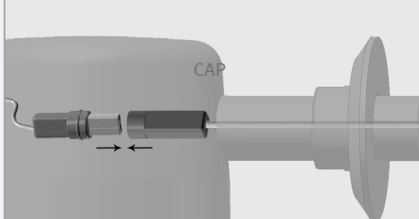
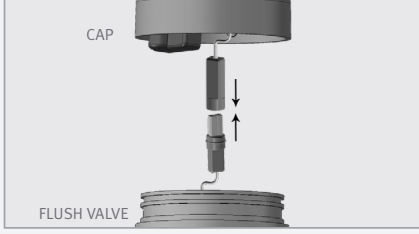
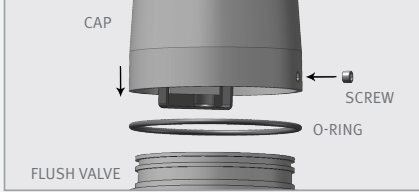
INSTALLATION

1	Shut off the water supply.	
2	FOR SIDE INLET MODELS	
	Connect the water supply pipe to the water supply and slide the wall flange on it.	
	Assemble the shut off valve to the water supply pipe.	
	Assemble the valve body to the shut off valve.	
	FOR REAR INLET MODELS	
	Slide the wall flange on the valve body.	
	Assemble the valve body to the water supply pipe.	
	Slide the wall flange until it rests against the finished wall.	

INSTALLATION

<p>3</p>	<p>Slide the spud coupling nut over the vacuum breaker pipe, do not tighten the vacuum breaker coupling nut yet.</p>	
<p>4</p>	<p>Insert the vacuum breaker pipe into the toilet or urinal inlet.</p>	
<p>5</p>	<p>Connect the vacuum breaker pipe to the flush valve body by tightening the nut. Make sure the friction ring is placed between the flush valve body and the vacuum breaker pipe.</p> <p><i>Align the flush valve body on top of the vacuum breaker pipe and securely tighten the tailpiece coupling, the vacuum breaker coupling and the spud coupling respectively.</i></p>	

INSTALLATION

	<p>For battery operated versions:</p> <p>Connect the battery to the electronic unit connector and place the battery inside the flush valve cap.</p>	
<p>6</p>	<p>For transformer operated versions:</p> <p>a) Pass the electric wires through the cable compartment located in the flush valve cap.</p>	
	<p>b) Connect the electronic unit and transformer connectors. Make sure that the connectors are then located inside the cap.</p> <p>c) Plug the transformer to the main electricity supply.</p>	
<p>7</p>	<p>Connect the electronic unit and solenoid valve connectors and remove the sticker.</p>	
<p>8</p>	<p>Assemble the cap on the flush valve body, making sure that the o-rings are located in between and tighten the screws.</p>	

SETTINGS ADJUSTMENT



Adjusting the settings with the remote control

If necessary, the sensor settings can be adjusted as following:

Shut off the water supply. In order to adjust the sensor with the remote control, hold the remote control straight in front of the sensor in a distance of about 6-8" (15-20cm). Choose the function you want to adjust by pressing once on one of the function buttons. After pressing once on a specific function button, a quick flashing of the LED at the front of the sensor will occur. At this stage, you can change the setting by pressing the (+) or the (-) buttons, every push will increase or decrease one level. After finishing the adjustment, turn the water supply back on.

SETTINGS ADJUSTMENT



DETECTION RANGE: Only if necessary, use the remote control to adjust the sensor range as follows:

Press the RANGE button. Wait until a quick flashing of the LED in the sensor eye is perceived. Then, press + to increase the one level and - to reduce it every push will increase or decrease one level.

NOTE: Once you have changed the detection range with the remote control, this distance will be remembered by the sensor, even if the power source is disconnected.



DELAY IN TIME: If required, the delay in time can also be modified as follows: Press the IN button. Wait until a quick flashing of the LED in the sensor eye is perceived. Then, press + to increase the delay in time and - to reduce it.



DELAY OUT TIME: This button allows modifying the flushing start time after the user moves away from the product. A delay out time close to 0 will save more water. An increased delay out time will make the user experience more comfortable.

If required, the delay out time can be modified as follows:
Press the OUT button. Wait until a quick flashing of the LED in the sensor eye is perceived. Then, press + to increase the delay out time and - to reduce it.



TEMPORARY OFF FUNCTION: This function is ideal to perform any kind of activity in front of the sensor without operating the system (for example, cleaning).

The product will remain shut for 1 minute when this button is pressed once. To cancel this function and to return to normal operation press the On/Off button again or wait 1 minute.



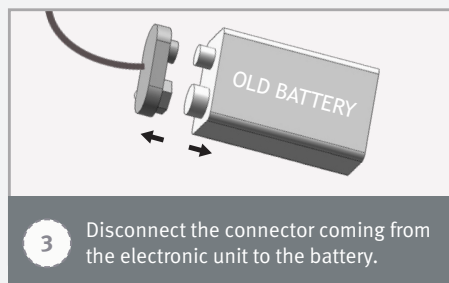
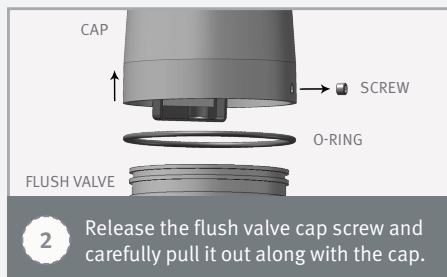
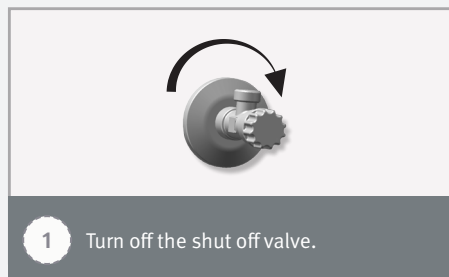
RESET BUTTON: This function restores all the factory settings except for the sensor range. If required, press the Reset button and without releasing it, press the + button once.



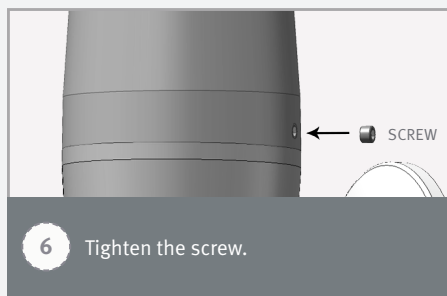
FLOW TIME: Changes the flush valve flush time, once the user leaves the urinal or the toilet. Press + to increase the flow time and - to decrease it.

BATTERY REPLACEMENT

When the battery weakens, the LED indicator light will blink at a constant rate. The battery must be replaced within two weeks.



NOTE: BEFORE REASSEMBLING THE ELECTRONIC CAP, MAKE SURE THAT THE EXTERNAL O-RING IS NOT DAMAGED. REPLACE IT IF NECESSARY.



IMPORTANT: Spent batteries should not be disposed of with normal household waste. Contact your local authority for information on waste disposal and recycling.

LIMITED WARRANTY

KASSEL SANITÄR S.L. warrants that its electronic products will be free of defects in material and workmanship during normal use for two years from the date the product is purchased.

If a defect is found in normal use, KASSEL SANITÄR S.L. will, at its discretion, repair, provide a replacement part or product, or make appropriate adjustments. Damage caused by accident, misuse, or abuse is not covered by this warranty. Improper care and cleaning will void the warranty. Proof of purchase (original sales receipt) must be provided to KASSEL SANITÄR S.L. with all warranty claims.

KASSEL SANITÄR S.L. is not responsible for labor charges, installation, or other incidental or consequential costs other than those noted above. In no event shall the liability of KASSEL SANITÄR S.L. exceed the purchase price of the product.

If you believe that you have a warranty claim, contact your Kassel Distributor, Dealer or Plumbing Contractor. Please be sure to provide all pertinent information regarding your claim, including a complete description of the problem, the product, model number, the date the product was purchased, from whom the product was purchased and the installation date. Also include your original invoice.

KASSEL SANITÄR S.L. AND/OR SELLER DISCLAIM ANY LIABILITY FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. This warranty excludes product damage due to installation error, incorrect maintenance, wear and tear, battery, product abuse, or product misuse, whether performed by a contractor, service company, or the consumer. This warranty does not cover product damage caused by the following:

- Incorrect installation.
- Inversions of supply pipes.
- Pressures or temperatures exceeding recommended limits.
- Improper manipulation, tampering, bad or lapsed maintenance.
- Foreign bodies, dirt or scale introduced by the water supply or sanitizer tank.
- Use of the soap or sanitizer outside of viscosity specifications.
- Alteration of the original soap/foam/sanitizer dispenser components (including pipes).

Failure to adhere to the safety precautions and/or installation recommendations outlined in this Installation Guide will void the warranty.

TROUBLESHOOTING

PROBLEM	INDICATOR	CAUSE	SOLUTION
Valve does not flush	1.The LED indicator in the sensor flashes continuously when the user steps within the sensor's range.	Low battery.	Replace battery
	2. The LED indicator in the sensor does not flash (once) when the user steps within the sensor's range.	1. Inappropriate sensor range. 2. Battery is completely used up.	Increase or decrease the sensor range. Replace battery.
	3. The LED indicator in the sensor flashes (once) when the user steps within the sensor's range.	3. The sensor is picking up reflections from a mirror or another object.	Eliminate cause of reflections.
		1. Connectors between the electronic unit and the solenoid valve are disconnected.	Connect the connectors of the electronic unit to the solenoid valve.
		2. Debris or dirt in the solenoid valve clog up the bleeding hole.	Replace or clean the solenoid valve. Unscrew the solenoid, pull out the plunger and the spring from the solenoid and clean them. When placing the plunger and spring back, please make sure the spring is in vertical position.
		3. The water supply pressure is higher than 8 bars or pressure peaks over 8 bars in the water supply causes pressure to be trapped in the flush valve.	Reduce the supply water pressure.
Continuous Flow	The LED indicator in the sensor flashes (once) when the user steps within the sensor's range.	1. Debris or dirt in the Flush Valve clog up the piston or the orifice. The piston doesn't close.	Open the piston cover and clean the piston, the orifice and body internally.
		2. Debris or dirt in the solenoid valve. The solenoid valve doesn't close.	Replace or clean the solenoid valve. Unscrew the solenoid, pull out the plunger and the spring from the solenoid and clean them. When placing the plunger and spring back, please make sure the spring is in vertical position.
Water flow diminished		Filter or aerator is clogged	Remove, clean, re-install

TROUBLESHOOTING / MAINTENANCE

PROBLEM	CAUSE	SOLUTION
Low Discharge	1. The self cleaning needle came out of the piston orifice or is displaced. The orifice delivers more water than usual pushing down the piston, causing the piston to close faster than normal.	Replace the piston.
	2. The U-seal is torn or damaged and doesn't seal well enough.	Replace the U-seal.
	3. Flow time setting is too short..	Increase the flow time.
High Discharge	1. Debris or dirt in the Flush Valve clog up the piston. Friction in the piston movement causes the piston to close slower than normal.	Open the piston cover and clean the piston and body internally.
	2. Dirt in the piston orifice prevents enough water from going through the orifice. The reduced flow causes the piston to close slower than normal.	Open the piston cover and clean the piston and the orifice.
	3. Flow time setting is too long.	Reduce the flow time setting.
Dripping	Debris or dirt in the piston seat.	Clean the piston seat.
	Piston seal is torn or damaged.	Replace piston seal.
	Debris or dirt in the solenoid valve orifice. The solenoid valve doesn't close properly. The plunger seal is torn or damaged.	Replace or clean the solenoid valve. Unscrew the solenoid, pull out the plunger and the spring from the solenoid and clean them. When placing the plunger and spring back, please make sure the spring is in vertical position.

* "Security Mode": If the sensor is covered for more than 90 sec. the faucet will automatically shut off water flow. To return to normal operation remove any blockage.

** In this case, the water flow will stop anyway after 90 seconds because of the security time.

MAINTENANCE

Care and cleaning of chrome and special finishes

DO NOT use steel wool or cleansing agents containing alcohol, acid, abrasives, or the like. Use of any prohibited cleaning or maintenance products or substances could damage the surface of the flush valve. For surface cleaning use ONLY soap and water, then wipe dry with clean cloth or towel. When cleaning bathroom tile, the flush valve should be protected from any splattering of harsh cleansers.

If system chemical disinfection is practiced, chlorine can be used (calculated chlorine concentration of 50mg/l maximum in water per one hour dwell time) at service interval frequency.

stern

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