



AquaVantage® AV Aquaflush® Bedpan Washer Series

Installation, Operation,
Maintenance, and Parts Manual

Patented and Patents Pending

AquaVantage AV
Bedpan Washer, Trap Primer,
and Foot Pedal Valves



Z6000AV-BWN



Z6011AV-BWN



AquaVantage/Aquaflush Bedpan Washer Systems

Z6000-DVN

Z6010-DVN

Z6011-DVN

Z6000AV-BWN

Z6010AV-BWN

Z6011AV-BWN

Z6020AV-BWN

Z6040AV-BWN

ZH6000AV-BWN

ZR6000AV-BWN

ZER6000AV-BWN

ZEMS6000AV-IS-BWN



Z6000-DVN



Z6011-DVN



LIMITED WARRANTY

All goods sold hereunder are warranted to be free from defects in material and factory workmanship for a period of three years from the date of purchase. Decorative finishes warranted for one year. We will replace at no cost goods that prove defective provided we are notified in writing of such defect and the goods are returned to us prepaid at Sanford, NC, with evidence that they have been properly maintained and used in accordance with instructions. We shall not be responsible for any labor charges or any loss, injury or damages whatsoever, including incidental or consequential damages. The sole and exclusive remedy shall be limited to the replacement of the defective goods. Before installation and use, the purchaser shall determine the suitability of the product for his intended use and the purchaser assumes all risk and liability whatever in connection therewith. Where permitted by law, the implied warranty of merchantability is expressly excluded. If the products sold hereunder are "consumer products," the implied warranty of merchantability is limited to a period of three years and shall be limited solely to the replacement of the defective goods. All weights stated in our catalogs and lists are approximate and are not guaranteed.

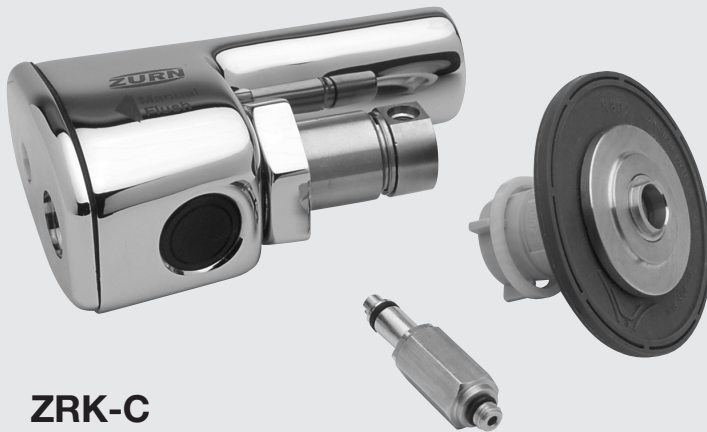


AquaSense® AV ZRK Series

Sensor-Operated, Battery-Powered
Retrofit Flushometer Kit

Installation, Operation,
Maintenance, and Parts Manual

Patented and Patents Pending



ZRK-C



**Sensor-Operated Retrofit
Closet/Urinal Systems**

ZRK-C-4.5

ZRK-C-3.5

ZRK-C-1.6

ZRK-U-3.0

ZRK-U-1.5

ZRK-U-1.0



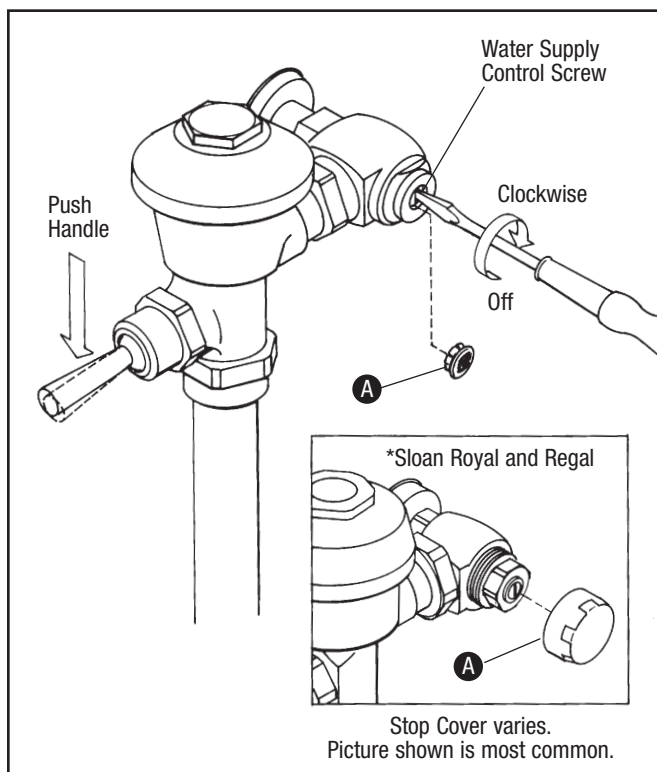
ZRK-U



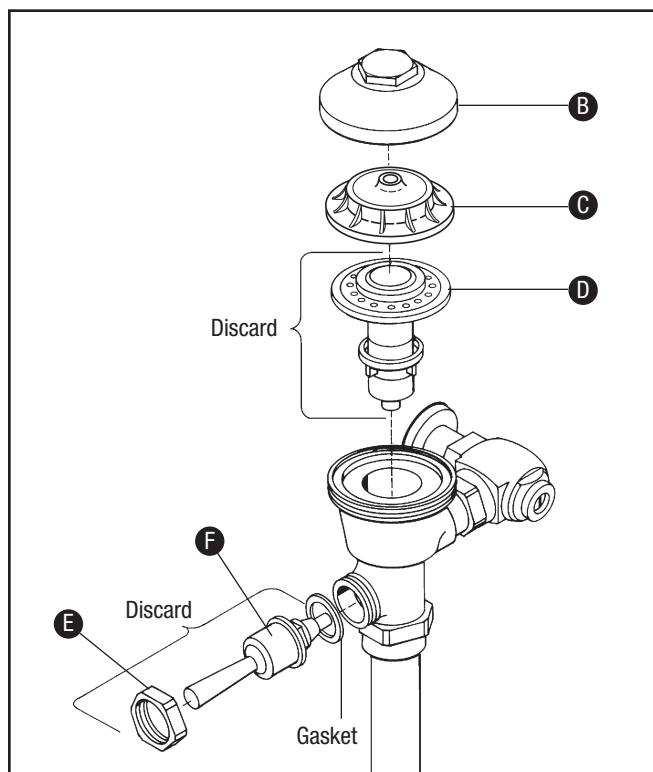
This product is designed to be used in existing restrooms upgrading to sensor operation. Manual flush valves of the Zurn Aquaflush and Sloan Royal/Regal design can be converted into a sensor-activated automatic flush valve in a matter of minutes.

LIMITED WARRANTY

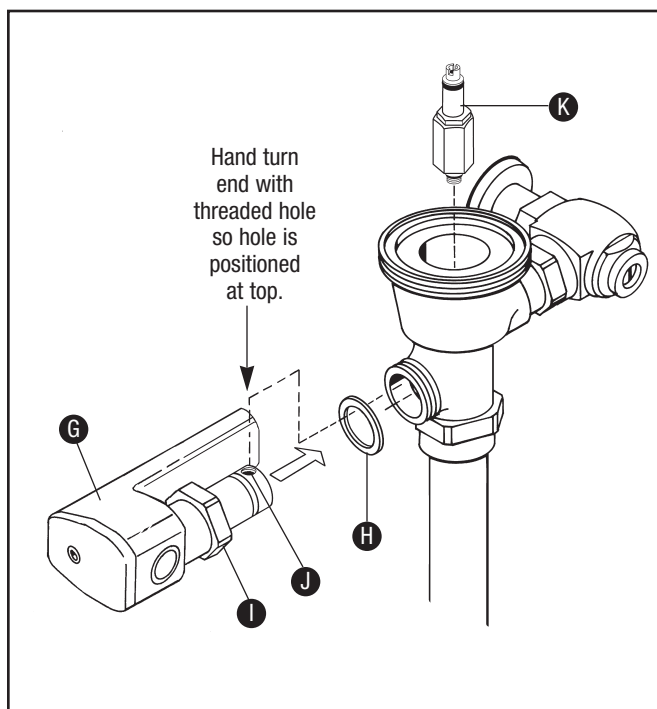
All goods sold hereunder are warranted to be free from defects in material and factory workmanship for a period of three years from the date of purchase. Decorative finishes warranted for one year. We will replace at no cost goods that prove defective provided we are notified in writing of such defect and the goods are returned to us prepaid at Sanford, NC, with evidence that they have been properly maintained and used in accordance with instructions. We shall not be responsible for any labor charges or any loss, injury or damages whatsoever, including incidental or consequential damages. The sole and exclusive remedy shall be limited to the replacement of the defective goods. Before installation and use, the purchaser shall determine the suitability of the product for his intended use and the purchaser assumes all risk and liability whatever in connection therewith. Where permitted by law, the implied warranty of merchantability is expressly excluded. If the products sold hereunder are "consumer products," the implied warranty of merchantability is limited to a period of three years and shall be limited solely to the replacement of the defective goods. All weights stated in our catalogs and lists are approximate and are not guaranteed.



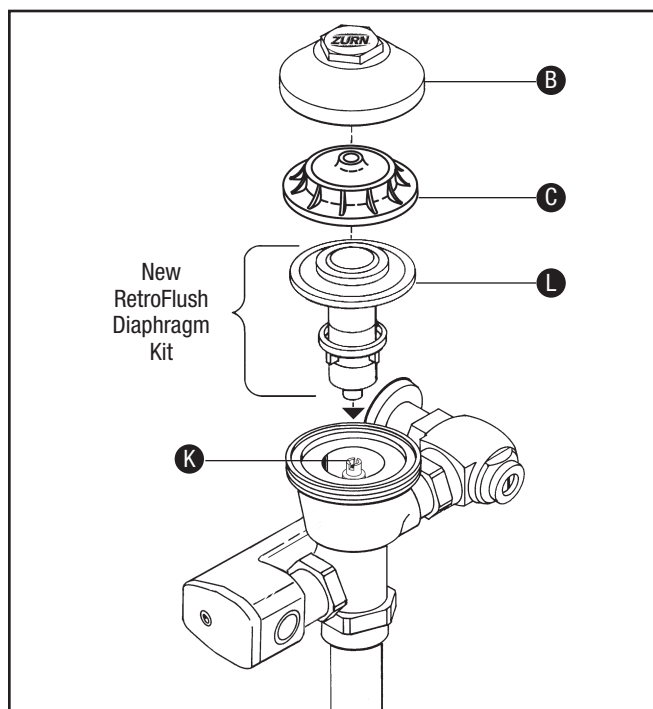
1 Remove control stop cover button **A** or cover **A** and use a slotted screwdriver to close water supply control screw (clockwise rotation). Push handle to relieve pressure in the flushometer's upper chamber and to assure water is completely shut off. Water supply control screw **must be** turned tight to shut off water.



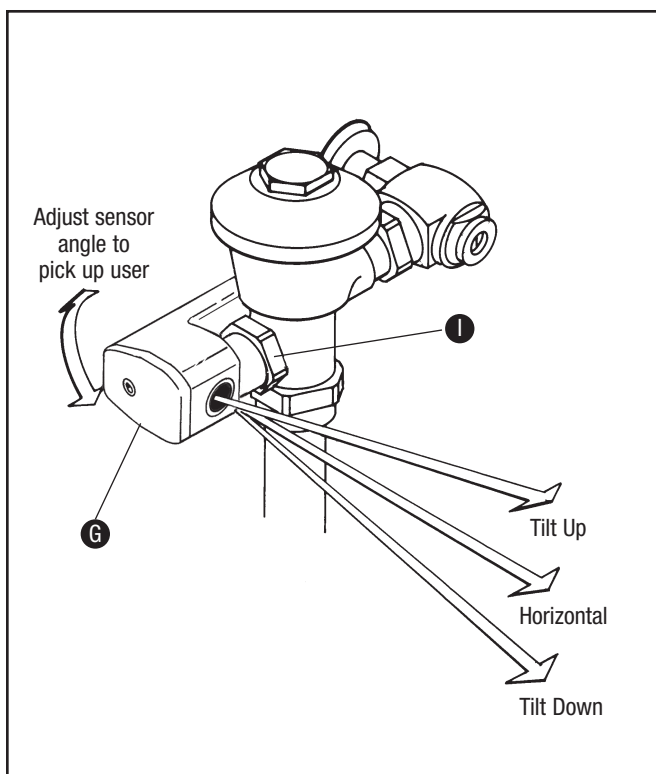
2 Remove existing manual flushometer chrome cover **B** and plastic cap **C** and remove the internal parts assembly **D**. Remove manual flushometer handle nut **E** and handle assembly **F**. Be sure gasket is removed with handle assembly.



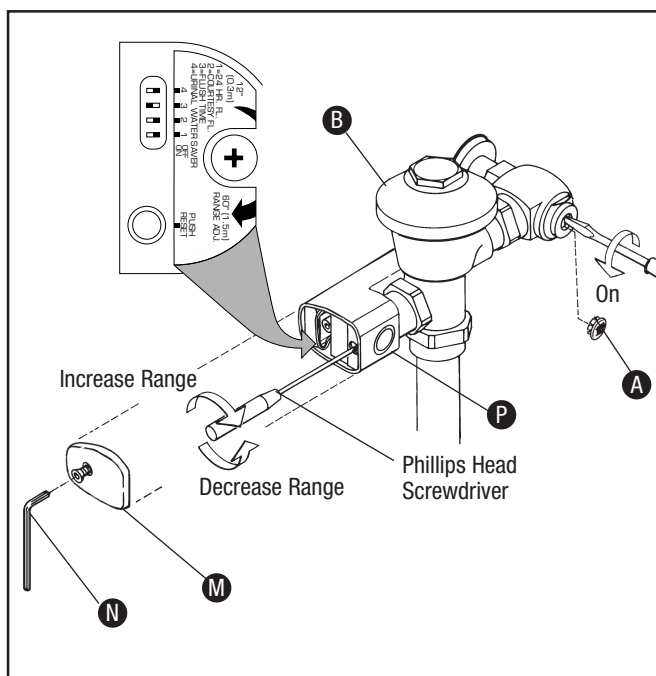
3 Remove blue solenoid valve cap. Attach Zurn RetroFlush sensor assembly **G** with gasket **H** to the handle port of the flushometer. Hand tighten new handle nut **I** – positioning hole **J** to top. Remove blue filtered riser tube cover. Insert Zurn RetroFlush filtered riser tube **K** from the top of the flushometer and screw into solenoid valve – snug with screwdriver. **Do not overtighten.**



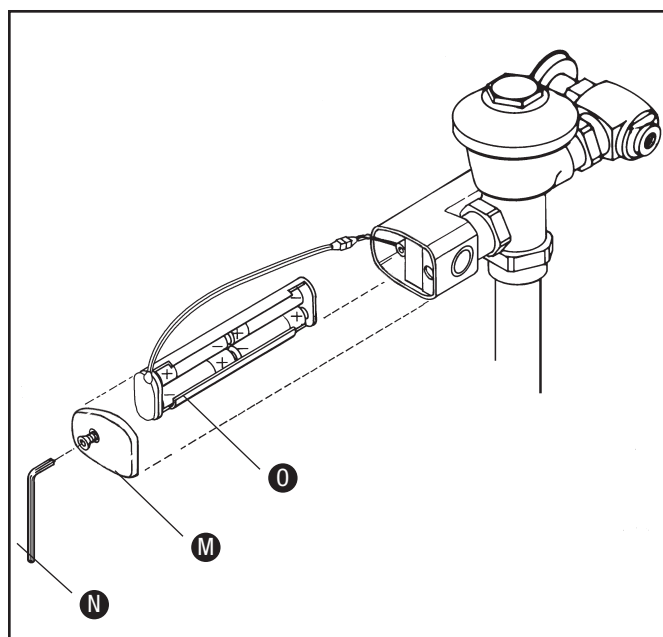
4 Assure riser tube **K** is vertical. Insert new Zurn RetroFlush internal diaphragm kit **L**. Diaphragm kit will slide over riser tube and seat in valve. Replace original plastic cap **C** and fully tighten original brass cover **B**.



5 Aim sensor **G** at desired tilt angle (horizontal, tilt up or tilt down), hold in place and tighten handle nut **L**.



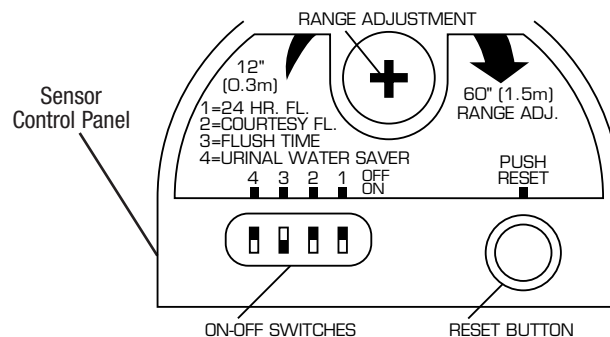
7 Adjust feature settings as desired. The sensor range is factory set. If adjustment is necessary, use a Phillips head screwdriver and turn **gently**. **SEE SENSOR RANGE ADJUSTMENT**. Replace electronics access cover **M** and tighten securely with vandal-resistant hex wrench **N**. Turn water supply on and adjust for proper fixture evacuations. The final setting for urinals should be such that the fixture will not overflow when the valve is actuated in succession. Reinsert stop cover button **A**. Check to assure cover **B** is leak free.



6 Remove electronics access cover **M** with vandal-resistant hex wrench **N** provided. Insert preassembled battery holder **O** into electronics compartment. Connect battery cable connector to electronics cable connector. **(Important: Insert non-connector end of battery holder first, as shown.)**

Sensor Range Adjustment

The range is factory set for urinal or closet applications. If necessary, the sensor range can be adjusted. Slowly rotate range adjustment clockwise to increase range and counterclockwise to decrease range. The range adjustment will stop at minimum and maximum settings. Do not turn beyond these stops. For ten minutes after battery installation, a blinking red light in sensor window **P** will appear when an object is in view. For an additional ten minutes of blinking, push reset button. Stand in front of sensor and move forward and backward to determine range.



Option Setting

Switch 1 - Automatic Flush – The unit will automatically flush 24 hours after the last user. On position = activate; Off position = deactivate.

Switch 2 - Courtesy Flush – When an object has been detected for two seconds, the unit flushes then goes into normal mode. On position = activate; Off position = deactivate. (Always press reset button after changing switches.)

Switch 3 - Flush Time – Factory setting

Switch 4 - Urinal Water Saver – reduces flush volume by 40% during periods of continuous usage.

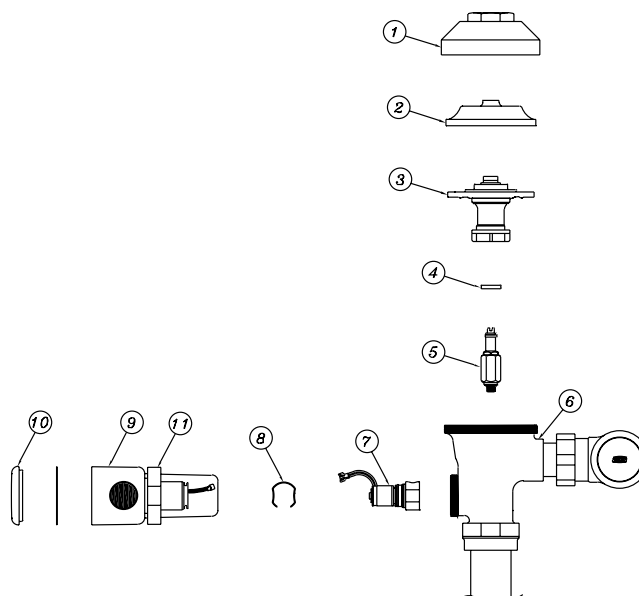
Note: Always press reset button after changing switches.

ZR Flush Valve/ZRK Retrofit Kit

Solenoid Replacement Instructions

Removing The Old Solenoid

1. Turn off water supply to flush valve at shut off (S.O.).
2. Cycle the valve once – flush it to relieve pressure holding the valve closed. If the sound of running water is present, tighten shut off.
3. Remove the main valve body cap (Item #1) from the flush valve (Item #6) using a wrench.
4. Remove the plastic diaphragm cover (Item #2) from the top of the diaphragm assembly.
5. Remove the diaphragm assembly (Item #3) from the flush valve (Item #6).
6. Using a screwdriver, remove the riser tube (Item #5) from the solenoid (Item #7).
7. Remove the RetroFlush sensor assembly (Item #9) from the flush valve handle port using a wrench on the handle nut (Item #11).
8. Remove the solenoid retaining clip (Item #8) and gently pull the solenoid (Item #7) out of the housing. **Note: Pay special attention to the position of the retaining clip ends to ensure proper reassembly into the proper slots.**
9. Disconnect the sensor cable connector from the solenoid.
Note: If the white connector is not fully accessible, then see the special instructions on page 5.

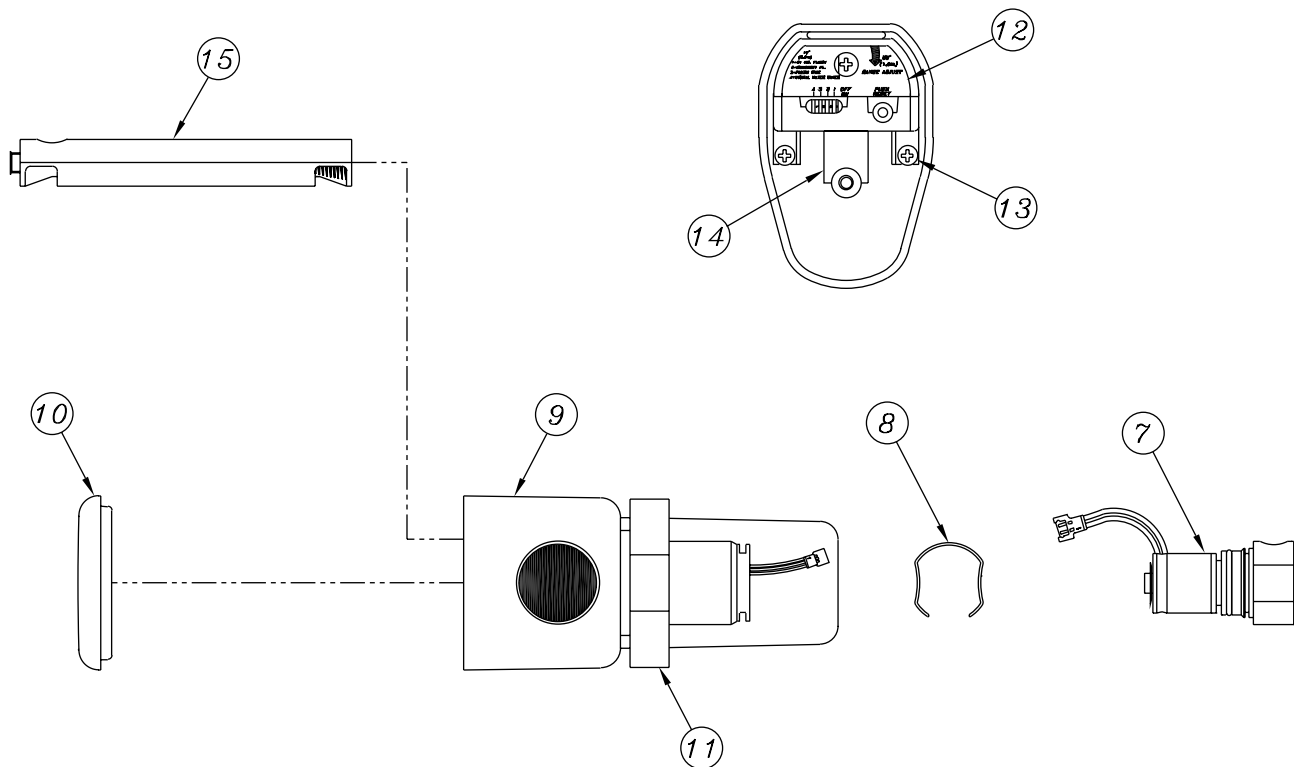


Installing The New Solenoid

1. Connect the cable connector on the solenoid (Item #7) to the sensor cable connector.
2. Lightly lubricate the solenoid O-ring seal with silicone grease provided to prevent damage while reassembling the unit. Insert the solenoid (Item #7) into the housing and install the solenoid retaining clip (Item #8). When installed properly, the end of the solenoid housing is free to rotate. **Note: Be careful not to crimp the battery wires while inserting the solenoid into the housing.**
3. Reinstall the RetroFlush sensor assembly (Item #9) onto the flush valve using a wrench. Be sure the solenoid inlet (threaded hole) is facing upward when installed in the flush valve. If not, remove Item #9 and rotate the solenoid for proper position.
4. Remove old O-ring (Item #4) from the upper part of the riser tube (Item #5). Install new quad ring (Item #4) onto the riser tube (Item #5) making sure the quad ring is not twisted. Lightly lubricate the quad ring with the silicone grease provided.
5. Reinstall the riser tube (Item #5) onto the solenoid (Item #7). Tighten snug with screwdriver, do not overtighten.
6. Reinstall the original diaphragm assembly (Item #3) onto the flush valve (Item #6).
7. Reinstall the original plastic diaphragm cover (Item #2) on top of the diaphragm assembly (Item #3).
8. Reinstall the main valve body cap (Item #1) onto the flush valve (Item #6) using a wrench. Tighten properly.
9. Remove battery cover (Item #10) from RetroFlush sensor assembly (Item #9) with the hex key wrench provided and press reset button located on the sensor module case. Reinstall cover (Item #10).
10. Turn on water supply and cycle flush valve for normal operation. Adjust stop valve for optimal flow to the fixture.

ZR Flush Valve/ZRK Retrofit Kit

Solenoid Replacement Instructions



Special Note On #9 – Removing Old Solenoid Valve

1. If the white connector is not fully accessible then the sensor module must be removed from the case in order to reassemble the solenoid connector to the sensor connector.
2. Remove the battery cover (Item #10) from the RetroFlush sensor assembly (Item #9).
3. Remove the battery case (Item #15) and disconnect from the sensor.
4. Remove the sensor module (Item #12) held in place by two screws (Item #13) and rubber plug (Item #14).
5. To install new solenoid, lightly lubricate the solenoid O-ring seal with silicone grease provided to prevent damage while reassembling the unit. Insert the solenoid (Item #7) into the housing and install the solenoid retaining clip (Item #8). When installed properly, the end of the solenoid is free to rotate.
Notes: Be careful not to crimp the battery wires while inserting the solenoid into the housing. Also, be sure the blue and gray wires of the solenoid valve extend into the sensor module cavity of the housing (Item #9).
6. Connect the sensor module blue and gray wires to the solenoid valve blue and gray wires and reinstall the sensor module.
Note: Be very careful not to crimp the wires when reinstalling the sensor module. Replace the two screws (do not overtighten) and rubber plug holding the sensor module in place.
7. Replace the battery pack and reconnect to the sensor.
8. Continue with Step 3 and beyond under “Installing The New Solenoid” on page 4.

Parts Replacement Guide

Covers

Outside Cover – Chrome Plated (11)
Inside Cover (12)

Product No.

P6000-LL
P6000-L

Replacement Kits

Closet Replacement Kit (14-18, 25, 26, 27)
Water-Saving Closet Replacement Kit (14-18, 25, 26, 27)
Low-Consumption Closet Replacement Kit (14-18, 25, 26, 27)
Urinal Replacement Kit (14-18, 25, 26, 27)
Water-Saving Urinal Replacement Kit (14-18, 25, 26, 27)
Low-Consumption Urinal Replacement Kit (14-18, 25, 26, 27)

Product No.

PR6000-EC
PR6000-EC-WS
PR6000-EC-WS1
PR6000-EU
PR6000-EU-WS
PR6000-EU-WS1

Replacement Parts – Inside Components

Riser Tube (13)
Closet Volume Control - 4.5 GpF (25)
Water-Saving Closet Volume Control - 3.5 GpF (25)
Low-Consumption Closet Volume Control - 1.6 GpF (25)
Urinal Volume Control - 3.0 GpF (25)
Water-Saving Urinal Volume Control - 1.5 GpF (25)
Low-Consumption Urinal Volume Control - 1.0 GpF (25)

Product No.

PR6000-E13F
PR6000-EC25
PR6000-EC25-WS
PR6000-EC25-WS1
PR6000-EU25
PR6000-EU25-WS
PR6000-EU25-WS1

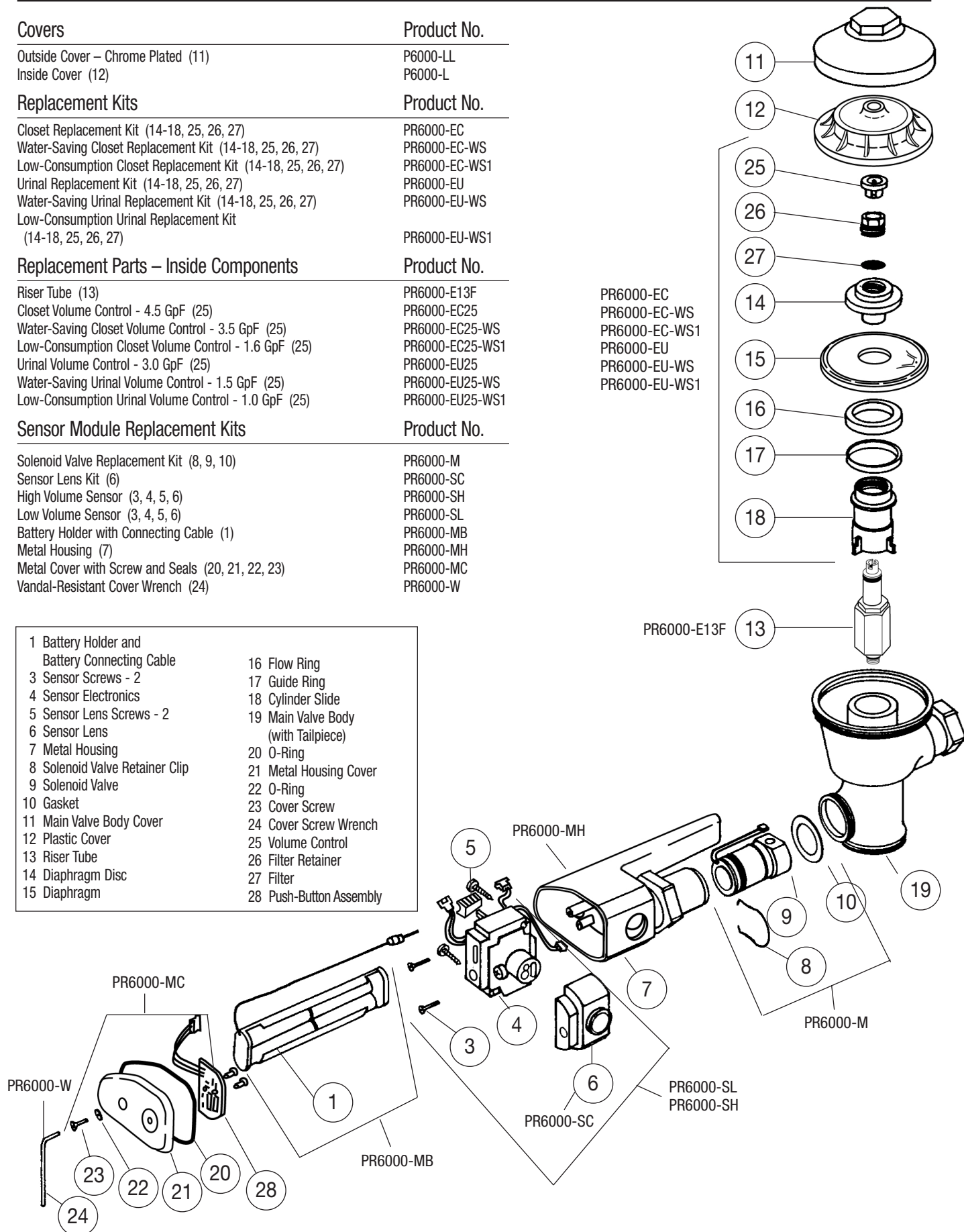
Sensor Module Replacement Kits

Solenoid Valve Replacement Kit (8, 9, 10)
Sensor Lens Kit (6)
High Volume Sensor (3, 4, 5, 6)
Low Volume Sensor (3, 4, 5, 6)
Battery Holder with Connecting Cable (1)
Metal Housing (7)
Metal Cover with Screw and Seals (20, 21, 22, 23)
Vandal-Resistant Cover Wrench (24)

Product No.

PR6000-M
PR6000-SC
PR6000-SH
PR6000-SL
PR6000-MB
PR6000-MH
PR6000-MC
PR6000-W

- | | |
|---|-------------------------------------|
| 1 Battery Holder and Battery Connecting Cable | 16 Flow Ring |
| 3 Sensor Screws - 2 | 17 Guide Ring |
| 4 Sensor Electronics | 18 Cylinder Slide |
| 5 Sensor Lens Screws - 2 | 19 Main Valve Body (with Tailpiece) |
| 6 Sensor Lens | 20 O-Ring |
| 7 Metal Housing | 21 Metal Housing Cover |
| 8 Solenoid Valve Retainer Clip | 22 O-Ring |
| 9 Solenoid Valve | 23 Cover Screw |
| 10 Gasket | 24 Cover Screw Wrench |
| 11 Main Valve Body Cover | 25 Volume Control |
| 12 Plastic Cover | 26 Filter Retainer |
| 13 Riser Tube | 27 Filter |
| 14 Diaphragm Disc | 28 Push-Button Assembly |
| 15 Diaphragm | |



SPECIFICATIONS

Sensor Range:	12" to 60" (adjustable)
Battery Type :	AA Alkaline Batteries
Battery Life:	Three years at 4,000 flushes per month
Flush Volume:	ZRK-C-1.6 – 1.6 gallons per flush ZRK-C-3.5 – 3.5 gallons per flush ZRK-C-4.5 – 4.5 gallons per flush ZRK-U-1.0 – 1.0 gallons per flush ZRK-U-1.5 – 1.5 gallons per flush ZRK-U-3.0 – 3.0 gallons per flush
Voltage:	6VDC
Operating Water Pressure:	20-80 psi
Courtesy Flush:	Flush at the beginning of the detection cycle (switchable)
Automatic Flush:	Flush 24 hours after the last use (switchable)
Maintenance Override:	Magnetic flush triggering or inhibiting switch
Indicator Light:	Range Adjustment (first ten minutes) Low Battery Indication Reflective surface in view for greater than 30 minutes
Reset Switch:	To restart ten-minute range adjustment cycle To enter option changes in the electronics after repositioning switches
Operating Temperature:	35°F to 104°F (2°C to 40°C)
Outside Case and Cover:	Chrome-Plated Die Casting

OPERATION

1. Invisible light rays are continually emitted from the RetroFlush sensor.
2. When the user comes into range of the sensor's detection zone (range 12 to 60 inches), the beam is reflected back to the sensor's receiver and changed into a low voltage electrical signal that activates an eight-second time delay circuit. This time delay prevents the unit from activating from a passerby in the restroom. Once this circuit is completed, the output circuit is signaled and continues in a "hold" mode for as long as the user remains within range of the sensor. User must be in sensor's range for at least 10 seconds.
3. After the user moves away from the sensor, the absence of reflected light starts an electrical "one-time" signal that operates the solenoid operator (6VDC) and activates the flushing cycle to flush the fixture. The circuit then automatically resets for the next user.

IMPORTANT NOTE: The Zurn AquaVantage is engineered for quiet operation. Excessive water flow creates noise, while too little water flow may not satisfy the needs of the fixture. Proper adjustment of stop valve is made when:

1. The plumbing fixture is cleansed after each flush without splashing water out from the lip.
2. A quiet flushing cycle is achieved.
3. Sensor units should not be located across from each other or in close proximity to highly reflective surfaces.

After adjustment of the stop adjusting screw, replace the Zurn stop cap screw cover.

CARE AND CLEANING INSTRUCTIONS

Do not use abrasive or chemical cleaners to clean flushometers as they may dull the luster and attack the chrome or special decorative finishes. Use only mild soap and water, then wipe dry with a clean cloth or towel. While cleaning the bathroom tile, the flushometer should be protected from splattering of cleaner. Acids and cleaning fluids can discolor or remove chrome plating.

TROUBLE SHOOTING GUIDE

PROBLEM	CAUSE	SOLUTION
Valve will not operate.	Water supply shut off	Turn on water supply, check control stop and supply.
	Sensor range adjustment set too short	Increase sensor range adjustment
	Expired batteries	Replace batteries
	Difficulty with electronic control module	Check batteries. If problem continues, consult factory.
	Solenoid problem	Replace solenoid
Red light flashes when user is not present.	Obstruction in front of the sensor	Remove the obstruction
	Sensor range set too long Sensor is detecting opposite wall	Shorten sensor range
Red light flashes when user comes into view.	Batteries about to expire	Replace batteries
	Unit is in start-up mode	Light will stop in 10 minutes
	Range adjustment reset button was pressed	Light will stop in 10 minutes
Valve does not shut off.	Dirt in diaphragm bypass hole	Clean bypass hole
	Dirt or debris at valve seat or sealing area	Clean valve seat and clean diaphragm kit
	Solenoid problem	Replace solenoid
Not enough water to fixture.	Wrong RetroFlush unit installed	Install proper RetroFlush unit. Check fixture requirements.
	Control stop improperly adjusted	Adjust control stop
	Diaphragm damaged	Replace diaphragm
	Solenoid problem	Replace solenoid
Too much water for fixture.	Wrong RetroFlush unit installed	Install proper RetroFlush unit. Check fixture requirements.
	Control stop improperly adjusted	Adjust control stop
	Dirt in diaphragm bypass hole	Clean or replace diaphragm
Water drips from chrome cap.	The plastic cover has been cracked by by freezing or abuse	Replace plastic cover
	The chrome cap is not tight	Tighten chrome cap.
RetroFlush kit does not fit handle port.	Sloan A-29 copper ring used as handle port gasket	Remove copper ring.

Note: For more detailed trouble shooting, refer to FV1138 or call Customer Service at 1-800-997-3876.





AquaSense Battery
Powered Flush
Valves/Retrofit Kits



ZURN INDUSTRIES, INC. COMMERCIAL BRASS OPERATION
5900 ELWIN BUCHANAN DRIVE, SANFORD, NC, U.S.A. 27330 PHONE: 1-800-997-3876 FAX: 919/775-3541 WEBSITE: www.zurn.com
ZURN INDUSTRIES LIMITED 3544 NASHUA DRIVE, MISSISSAUGA, ONTARIO L4V 1L2 PHONE: 905/405-8272 FAX: 905/405-1292



PRODUCT SPECIFICATIONS

Zurn Bedpan Washer Only for Water Closets –

The Bedpan Washer Assembly is furnished complete with bedpan washer, wall bracket and support bracket, high pressure vacuum breaker, vacuum breaker tube nut, 1-1/2" [38 mm] flush tubes, fixture spud escutcheon, and fixture spud securing nut.

Note: For specifications, flows, options, and installation instructions on valves, refer to specific installation manuals.

MODELS

Bedpan Washers Only

Z6000-DVN – Exposed bedpan washer for water closets.

Z6010-DVN – Exposed bedpan washer for water closets with low rough-in water supply (Retrofit).

Z6011-DVN – Exposed bedpan washer for water closets with handicap grab bar applications.

OPTIONS

- YH One Wall Bumper
- YJ Split Ring Pipe Support
- YK Solid Ring Pipe Support
- _____ Other

Exposed Flush Valves with Bedpan Washer

Z6000AV-BWN – Exposed Z6000AV Model with bedpan washer for water closets.

Z6010AV-BWN – Exposed Z6010AV Model with bedpan washer for water closets with low rough-in water supply (Retrofit).

Z6011AV-BWN – Exposed Z6011AV Model with bedpan washer for water closets with handicap grab bar applications.

Z6040AV-BWN – Exposed Z6040AV Model with bedpan washer with foot pedal actuation for water closets.

Note: See FV211 for specifications, flows, options, and installation instructions for flushometer.

Concealed Flush Valves with Bedpan Washer

Z6020AV-BWN – Concealed Z6020AV Model with bedpan washer for water closets.

Note: See FV212 for specifications, flows, options, and installation instructions for flushometer.

Hydraulic Flush Valves with Bedpan Washer

ZH6000AV-BWN – Exposed ZH6000AV Model with hydraulic actuator and bedpan washer for water closets.

ZH6011AV-BWN – Exposed ZH6011AV Model with bedpan washer for water closets with handicap grab bar applications.

Note: See FV241 for specifications, flows, options, and installation instructions for flushometer.

Battery-Powered Flush Valves with Bedpan Washer

ZR6000AV-BWN – Exposed ZR6000AV Model battery-powered, sensor-operated with bedpan washer for water closets.

ZER6000AV-BWN – Exposed ZER6000AV Model battery-powered, sensor-operated with bedpan washer for water closets.

ZER6011AV-BWN – Exposed ZER6011AV Model with bedpan washer for water closets with handicap grab bar applications.

Note: See FV62 and FV2001 for specifications, flows, options, and installation instructions for flushometer.

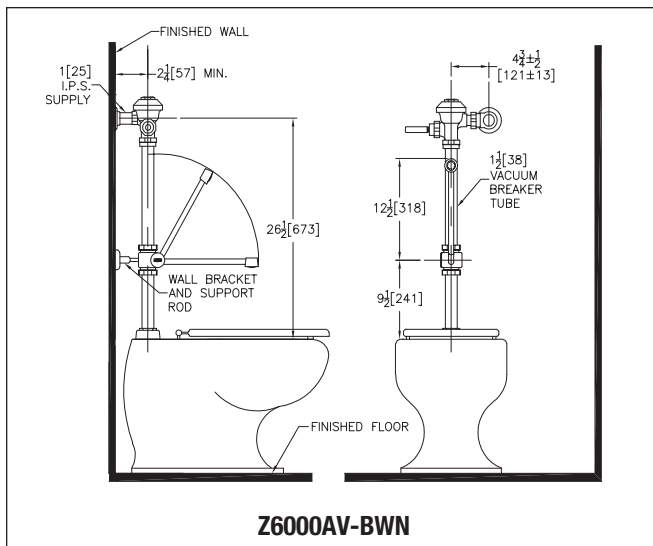
Hardwired Flush Valves with Bedpan Washer

ZEMS6000AV-IS-BWN – Exposed ZEMS6000AV-IS Model hardwired sensor-operated with bedpan washer for water closets.

ZEMS6011AV-IS-BWN – Exposed ZEMS6011AV-IS Model with bedpan washer for water closets with handicap grab bar applications.

Note: See FV38 for specifications, flows, options, and installation instructions for flushometer.

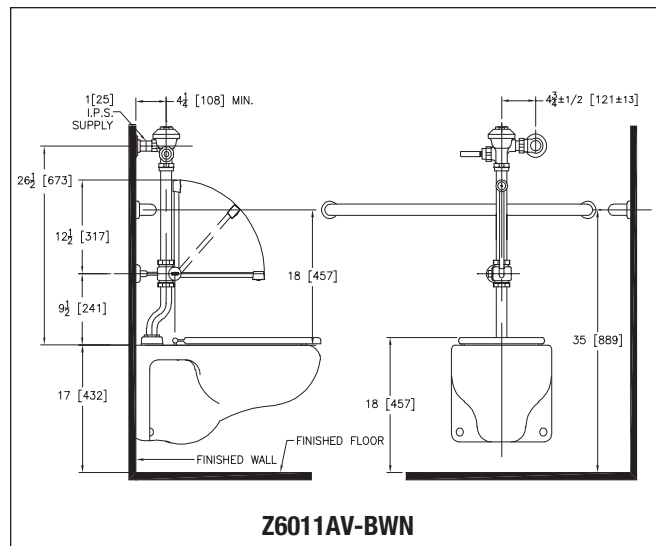
Bedpan Washer Installation Instructions



Important:

- All plumbing is to be installed according to 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. The pressures fall between 10 and 100 psi (69 to 689 kPa). Each valve is tested at the lowest and highest pressures before being shipped. The minimum pressure is determined by the type of fixture purchased and the gallons per flush requested. Consult your catalog for flow options. Most low consumption valves (1.6 gallon) require a minimum of 25 psi flow pressure. When installing your quality Zurn valve, it is recommended that to protect the polished finished you do not use a toothed wrench. This will cause gouges and scratches on your valve.



STEP NO. 1

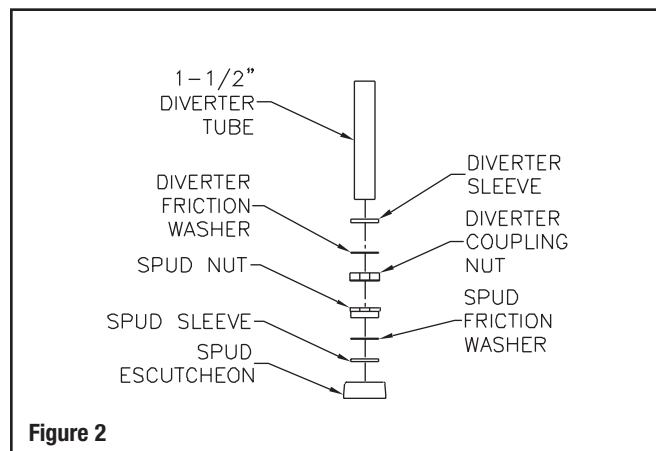
Install Sweat Adaptor and Control Stop

For detailed instructions on installing the sweat adaptor and control stop, refer to specific valve installation manuals in this catalogue.

STEP NO. 2

Install Outlet Tube (Figure 2)

Slide the diverter sleeve, diverter friction washer, diverter valve coupling nut, spud nut, spud friction washer, spud sleeve, and spud escutcheon over the diverter outlet tube. Insert outlet tube into fixture spud. Hand tighten spud nut onto fixture spud.





Bedpan Washer Installation Instructions, continued

STEP NO. 3

Install Diverter Valve (Figure 3)

Insert top of diverter outlet tube into diverter valve and secure with diverter coupling nut. Hand tighten diverter coupling nut.

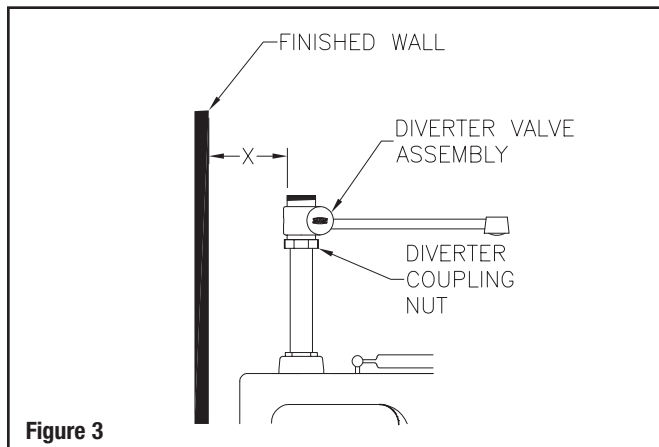


Figure 3

STEP NO. 4

Install Wall Support Flange (Figure 4A and 4B)

Determine required length of support rod by measuring distance between finished wall and back of diverter valve at support rod hole. Add 1/4" [6mm] to the length determined and cut the support rod to size. Refer to Figure 3.

Turn the diverter valve assembly to allow threading support rod into back of diverter valve body. Slide wall support flange onto support rod and turn the diverter valve assembly so that wall support flange is flush with wall. Use wall support flange as a template and mark off holes on finished wall for mounting screws. Refer to Figure 4A for details.

Remove diverter valve assembly and drill a 1/4" [6mm] hole at the three locations marked. Install an anchor in each 1/4" [6mm] hole.

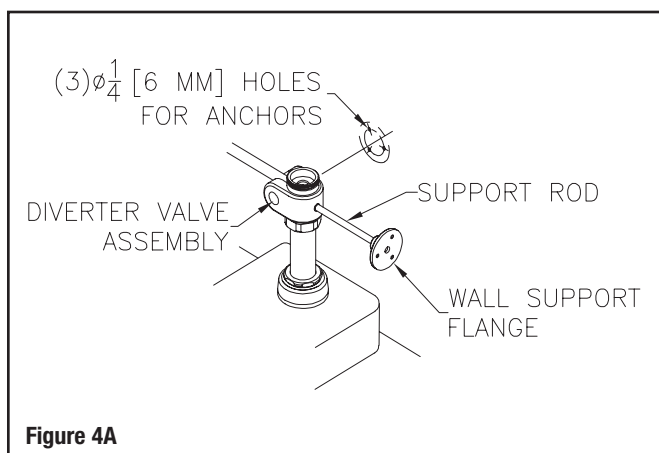


Figure 4A

Insert top of diverter tube into diverter valve and secure diverter coupling nut. Hand tighten diverter coupling nut.

Rotate diverter valve so that support rod flange mounting holes are aligned with three mounting holes in finished wall. Secure using the three (3) screws provided.

Tighten setscrew in wall support flange. Refer to Figure 4B.

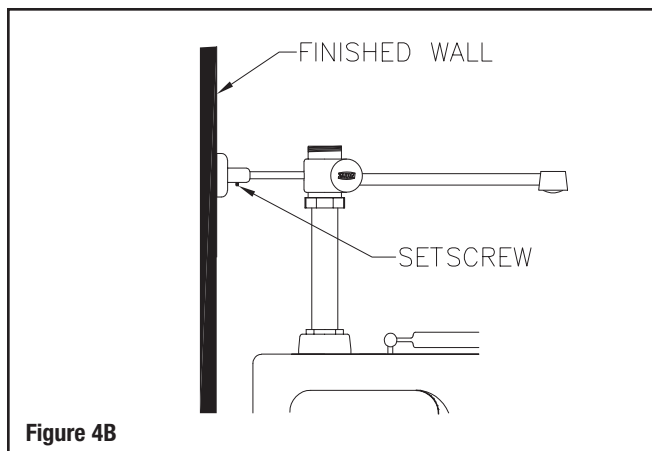


Figure 4B

STEP NO. 5

Install Vacuum Breaker Flush Connection (Figure 5)

Slide tube nut onto flush tube. Slide the diverter valve coupling nut, diverter friction washer, and diverter sleeve over vacuum breaker tube and secure tube to diverter valve. Hand tighten diverter valve coupling nut onto diverter valve assembly.

Length of vacuum breaker tube may be shortened to accommodate lower valve installation height.

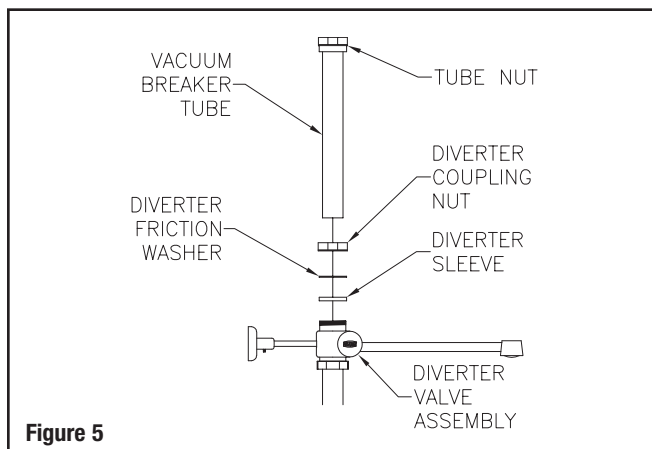


Figure 5

STEP NO. 6

Install Flushometer

For detailed instructions on installing the flushometer, refer to specific valve installation manuals in this catalogue.

MAINTENANCE

Cleaning Nozzle Spray Disc and Screen (Figure 6)

With a Phillips head screwdriver, remove the Phillips head screw by turning counterclockwise. Remove spray disc and screen, and clean with water. Reinstall the screen, spray disc, and Phillips head screw and tighten.

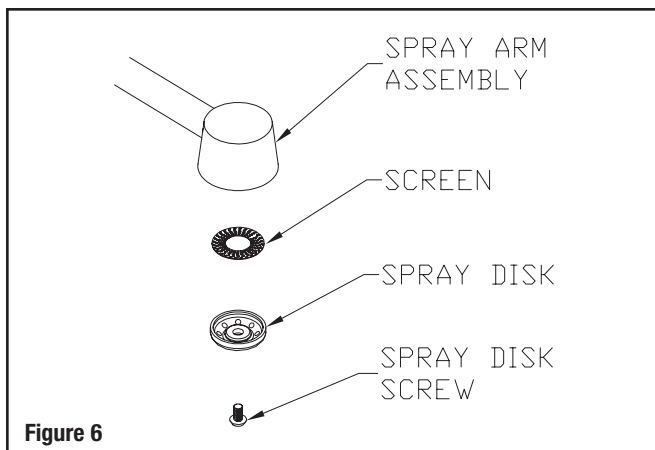


Figure 6

CARE of CHROME-PLATED SURFACES

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

SEASONAL USE

Valves used in installations subject to shutdown 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 and stop valve internals to allow the water to drain from the flush valve itself.

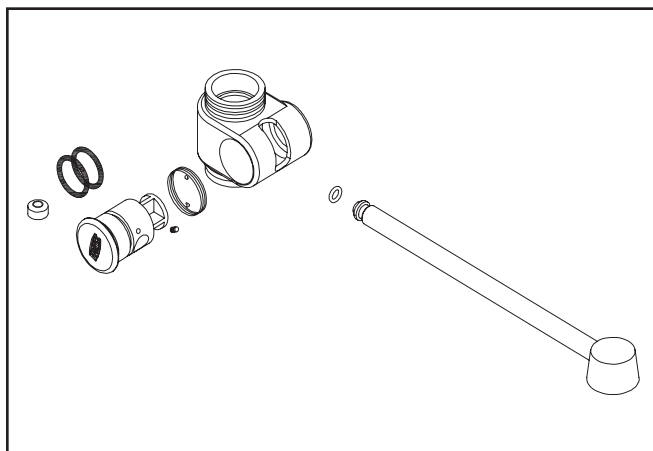
TROUBLESHOOTING GUIDE

For detailed instructions on trouble shooting the flushometer, refer to specific valve installation manuals in this catalogue.

REBUILD KITS

The P6000-PN22 Rebuild Kit is available with replacement seals. Access to the seals is as follows:

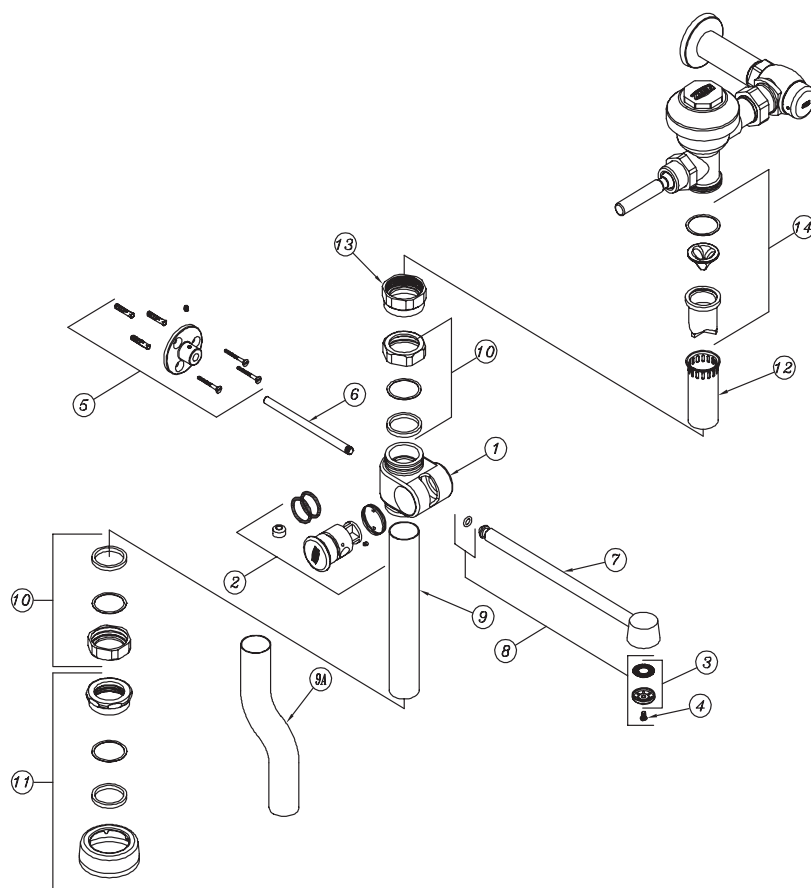
1. Pull diverter arm to downward position.
2. Remove setscrew with 3/32 Allen wrench.
3. Remove diverter arm from elbow.
4. Remove elbow from body to get access to O-rings and rubber grommet.





Parts Replacement Guide

AquaVantage AV
Bedpan Washer, Trap Primer,
and Foot Pedal Valves



Illus. No.	Description	Product No.
1	Diverter Body	P6000-PN21
2	Elbow Assembly (Elbow, Spring, Setscrew, (2) O-Rings, and Grommet)	P6000-PN20
3	Spray Disc and Screen	P6000-P3
4	Spray Disc Screw	P6000-P4
5	Wall Flange with Setscrew and Mounting Hardware	P6000-P8
6	Support Rod	P6000-P8-2
7	Spray Arm Assembly – 12"	P6000-PN18
8	Spray Arm Repair Kit (O-Ring, Spray Disk, Screen, and Screw)	P6000-PN19
9	Bottom Tube	P6000-P15
9A	Optional Offset Tube for Z6011 Assembly	P6000-P15-LO
10	Coupling Assembly – 1-1/2"	P6000-HN
11	Spud Coupling Assembly – 1-1/2"	P6000-H
12	Vacuum Breaker Tube	P6000-1-A-CP
13	Tube Nut	P6000-AA-CP
14	Vacuum Breaker Repair Kit	P6000-B
15	Bedpan Diverter Rebuild Kit (Items 8, 2 [Except Elbow], Tube Gasket)	P6000-PN22



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