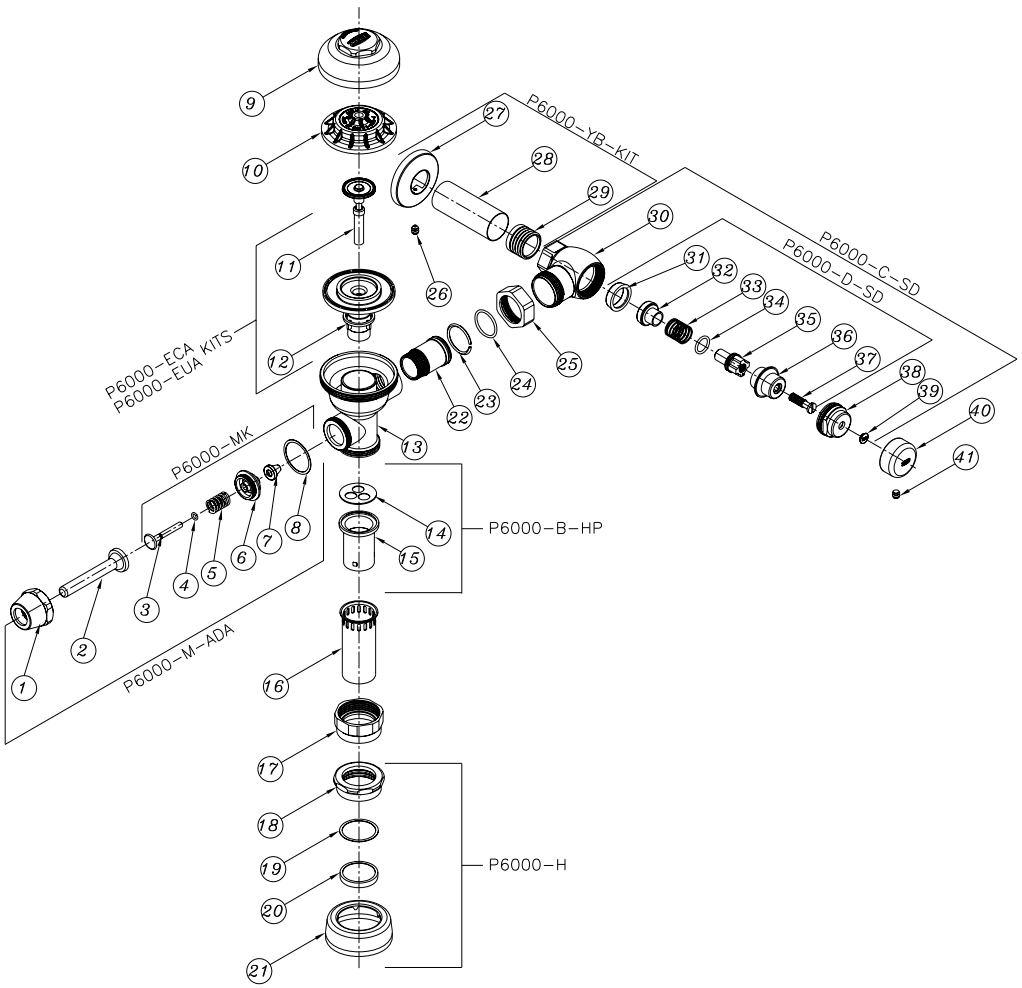
AquaVantage® Repair Kits

Part Identification

1. Handle Sleeve and Insert
2. Low Force/ADA Compliant Handle
3. Actuator Rod
4. Handle O-Ring
5. Handle Spring
6. Handle Retainer
7. Handle Seal
8. Gasket
9. Valve Body Cover
10. Plastic Cover
11. Trip Mechanism
12. Diaphragm Repair Kit
13. Valve Body
14. Vacuum Breaker Insert
15. Vacuum Breaker Duckbill
16. Vacuum Breaker Tube
17. Vacuum Breaker Tube Nut
18. Spud Nut
19. Spud Friction Washer
20. Spud Sleeve
21. Spud Escutcheon
22. Tailpiece
23. Snap Ring
24. Tailpiece O-Ring
25. Locking Nut
26. Setscrew for Cast Wall Flange
27. Cast Wall Escutcheon
28. Supply Cover Tube
29. Sweat Solder Adapter
30. Stop Body
31. Piston Seal
32. Piston
33. Stop Spring
34. Guide O-Ring
35. Piston Guide
36. Guide Holder
37. Adjusting Screw
38. Stop Cap
39. Snap Cap Screw Cover
40. Vandal-Resistant Control Stop Cover
41. Setscrew for Control Stop Cover



Covers and Repair Kits	Product No.
Outside Cover - CP – Item 9	P6000-LL
Inside Cover – Item 10	P6000-L
High Efficiency Toilet Closet Kit – 1.28 gal. flush	P6000-ECA-HET
Ultra Low Flow Urinal Kit – 0.125 gal. flush	P6000-EUA-ULF
Low Consumption Closet Kit – 1.6 gal. flush	P6000-ECA-WS1
Water Saving Closet Kit – 3.5 gal. flush	P6000-ECA-WS
Full Flow Closet Kit – 4.5 gal. flush	P6000-ECA-FF
Low Consumption Urinal Kit – 1.0 gal. flush	P6000-EUA-WS1
Water Saving Urinal Kit – 1.5 gal. flush	P6000-EUA-WS
Full Flow Urinal Kit – 3.0 gal. flush	P6000-EUA-FF

Repair Parts – Inside Parts	Product No.
Urinal Relief Valve – Item 11	P6000-EU13
Closet Relief Valve – Item 11	P6000-EC13

AquaVantage Rebuild Kits	Product No.
Closet and Urinal Rebuild Kits Include Items 3-8, 11, 12, 14, 15, 24 (Specify flow rate)	P6000-ECA-__-RK

Handle Assembly and Repair Kits	Product No.
ADA Handle Assembly (Side) Includes Items 1-8	P6000-M-ADA
Handle Repair Kit (Side) Includes Items 3-8	P6000-MK
Handle Seal Includes Item 7	P6000-M9
Handle Gasket Includes Item 8	P6000-M10
Repair Kit for Front Operation – Exposed Includes Items 3-8	P6000-MHK
Handle Assembly (Front) Includes Items 1-8	P6000-MH

Control Stop Repair Kit and Parts	Product No.
Control Stop Repair Kit for 1" and 3⁄4", Includes Items 31-37	P6000-D-SD
Seal Seat for 1" and 3⁄4", Includes Item 31	P6000-D42
VP Control Stop Replacement for 1" and 3⁄4", Includes Items 30-39	P6000-C-SD
Sweat Solder Connection with Cast Wall Flange Includes Items 26-29	P6000-YB

Adjustable Tailpieces	Product No.
Adjustable Tailpiece for Standard Flush Valve Includes Items 22-24	P6000-J1
Tailpiece Coupling Assembly Includes Items 23-25	P6000-K
Tailpiece Locking Ring Includes Item 23	P6000-C30
Tailpiece O-Ring Includes Item 24	P6000-C31
Coupling Nut Includes Item 25	P6000-C32

Flush Connections and Spud Coupling Kits	Product No.
Flush Tube Assembly for Flush Valves Includes Items 14-16. Specify diameter and length.	P6000-A-HP
Vacuum Breaker Repair Kit Includes Items 14-15	P6000-B-HP
Spud Coupling Assembly Includes Items 18-21. Specify size.	P6000-H

AquaVantage® Trouble Shooting Guide

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.) Urinal trip mechanism installed in wrong kit, urinal for closet. 3.) Insufficient volume or pressure at supply.	1.) Open stop valve for desired volume of water. 2.) Replace urinal part with proper closet valve part. 3.) If 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 supply is adequate to siphon the fixture, the guide ring (#17) may be removed from the guide assembly to provide additional flow. 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.	1.) Install new P6000-EUA or P6000-ECA replacement kit to remedy the problem (#12 and #13).
Valve is short flushing.	1.) Cylinder guide assembly and diaphragm assembly are not tight. 2.) Enlarged bypass orifice. 3.) Urinal trip mechanism (blue #13) in closet flush valves.	1.) Screw the two assemblies hand tight. 2.) Install the new P6000-ECA, P6000-EUA replacement kit to remedy the problem. 3.) Install closet trip mechanism (white #13).
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.	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 (#11 - P6000-L).
Water splashes out of fixture.	1.) Supply volume is more than is necessary. 2.) Lime accumulation on vortex or spreader holes of fixture.	1.) Adjust downward on control stop. 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.
Handle assembly leaking.	1.) Handle assembly is not tight.	1.) Tighten handle assembly.
Water drips from chrome cap.	1.) P6000-L inside plastic cap is cracked.	1.) Replace P6000-L plastic cap.

Care of Chrome-Plated Surfaces

The suggested cleaning of chrome-plated surfaces is simply to clean them with 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 cap and stop valve internals to allow the water to drain from the flush valve itself.

*See previous page for numerical references.