

Operation:

The Flomatic Wellair® valves are designed to release air from a well column during pump startup. The valve is fitted with a throttling device (which is field adjustable) to maintain backpressure within the valve body to stabilize the float while it is exhausting air. In addition, when the water enters the valve the backpressure slows it allowing for a gentle closure. On the initial startup, the throttling plug should be located so that it is closing off about half of the discharge opening. This can be checked visually by looking in the discharge port. For safety, this adjustment should be made prior to installing the valve. If during startup, the float slams shut or the valve expels an excessive amount of water, adjust the throttling device downward further closing off the discharge opening. This should be done a little at a time until you get the desired gentle closure. On the initial startup the valve closes gently, adjusting the throttling device upward will allow it to vent air faster. Again, this adjustment should be done a little at a time until gentle closure is lost or device is full open. If you lose gentle closure; adjust it back down until it smooths out.

NOTE: These valves are designed for use on clean water systems. Using them on systems other than water is not recommended. Consult factory for special applications.

Installation:

Installation must be performed by qualified, licensed personnel only.

Remove all plastic protection plugs that are covering inlet and outlet threads.

The Flomatic Wellair® should only be installed as close to the well column as possible, before check valve or control valve, in a vertical position only. If they are not installed directly over the water main, the inlet piping to the valve should always be upward towards the valve with the valve being vertical. To facilitate servicing and repairs it is strongly recommended that an isolation valve be installed on the inlet side of the valve. Proper supports for the valve and piping are required as needed.

These valves should NEVER be buried. In warm climate areas installing them above grade is acceptable as long as precautions are taken to keep people away from them and protect them from being tampered with (these precautions should be determined by the project engineer). Freeze protection is a necessity in colder areas. Manholes should be adequately sized to allow safe access to the valves by service personnel.

Maintenance:

The Wellair® requires no schedule maintenance, but should be inspected periodically for leakage in the orifice area on top.

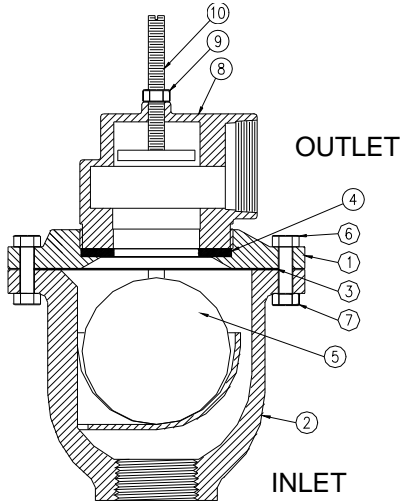
Disassembly / Reassembly:

The Wellair® can be disassembled without removing it from the line. No special tools are required and all working should be performed by qualified, licensed personnel.

1. Close isolation valve on the inlet of the valve or shut system down if there is not a valve. Be sure the system pressure is relieved.
2. Remove top flange (#1), bolts (#6) and lift cover off.
3. Examine float (#5) for damage, replace if needed.

Model Wellair® ½” thru 3”

4. Examine seat area for damage to rubber seat (#4) under side of cover.
5. If the rubber seat is damaged, you will need to remove the top (#8) (throttling device) by unscrewing it. Remove and replace the seat and then reassemble the top flange assembly.
6. Clean flange surfaces, use new flange gasket (#3), put float in valve and reinstalled top flange.
7. Put valve back in service and check for leaks.



Item	Description
1	Flange
2	Body
3	Gasket
4	Seat
5	Float
6	Bolt
7	Nut
8	Top
9	Nut
10	Stem

Trouble Shooting Guide	
Problem:	Possible Solutions:
Leaks when closed	Inspect seat for wear or damage and replace if needed.
Leaking at inlet connection	Tighten valve connection. If valve still leaks remove valve from system and re-attach with new Teflon tape or liquid Teflon.
Leaking around the cover	Tighten bolts
Slams shut	Adjust throttling device down. Re-check until correct/
Air not expelled	Check exhaust piping for blockage. Open throttling device. Valve may be to same for system.

Information needed to order repair parts:

- Valve Model Number
- Valve Size
- Valve Working Pressure

Limited One Year Warranty: Flomatic valves are guaranteed against defects of material or workmanship when used for the services recommended. If, in any recommended service a defect develops due to material or workmanship, and the device is returned, freight prepaid, to Flomatic Corporation within 12 months from date of purchase, it will be repaired or replaced free of charge. Flomatic Corporations’ liability shall be limited to our agreement to repair or replacement of valve only.