

Operation:

Flomatic Miniair® valves are designed to release air from the system while it is under pressure and in operation. The valve is normal open and will expel air through the orifice. As fluid fills the system and air is dissipated, the float rises and the valve plunger slowly closes the orifice off. As air accumulates in the valve displacing the water, the float drops and the lever opens the valve plunger.

NOTE: Valve is not for fuel service, waste water or any fluid that contains suspended solids. For waste water or solids refer to Sewair valves.

Installation:

Installation must be performed by qualified, licensed personnel only.

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

The Flomatic Miniair® should only be installed in a vertical position **ONLY** with inlet down at the high points in the system making sure that the inlet piping is at an angle that will not allow debris to obstruct the inlet. A shut-off valve should be installed below of the Miniair® so the valve can be isolated from system pressure if servicing is required.

Make sure there is sufficient room around the valve so maintenance using the optional backflush attachments is possible. Valve must be supported properly, must have freeze protection, and adequate drainage as there is fluid discharge when the valve is closing.

Maintenance:

The Miniair® requires no schedule maintenance, but should be inspected & tested periodically. A drain valve should be installed where the lower plug is located for ease of flushing, testing and draining.

Testing:

1. Make sure the valve is isolated from the system, by closing the shut-off valve.
2. Install a drain valve where the bottom drain plug is located.
3. Open the shut-off valve.
4. Slowly open the drain valve until flow can be heard. If water is released the valve is working properly, if air is released the valve should be tested further (follow steps below).
5. Close the shut-off valve.
6. Open the drain valve to allow fluid to drain (if it is hard to get the valve to drain see trouble shooting guide) & then close the drain valve.
7. Slowly open the shut-off valve to fill the valve.
8. Note the actions of the valve as it closes, if leakage takes place see the trouble shooting guide.

Disassembly / Reassembly:

The Miniair® can be disassembled without removing it from the line. No special tools are required.

1. Close shut-off valve, open the drain then remove the cover bolts.
2. Remove the cover (float assembly is attached to the cover and may be removed for ease of inspection).
3. Clean and inspect all parts.
4. Replace any parts that exhibited wear or damage.
5. Re-attach float assembly (if removed) to cover.
6. Re-attach the cover to valve – do not over torque the bolts.
7. Place valve back in service.

Trouble Shooting Guide	
Problem:	Possible Solutions:
Valve drains hard while testing	Orifice may be plugged – disassemble valve and flush debris from orifice.
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 – max. 20 lbs Do Not Over Torque
Leaks when closed	Flush valve to remove debris. If valves still leaks disassemble valve, inspect and replace used or wore parts. Rubber should be replaced if wore or every 5 years.
Orifice not venting air	Make sure the operating pressure is not exceeded. If not disassemble valve, inspect and replace used or wore parts.

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.