

DUDLEY
Hydroflo®

**QUIET
SIDE INLET
FLOAT VALVE
TO BS1212 Pt4**

- 100% factory tested
- Robust float arm & ratchet for simple and secure adjustment
- Lay-flat silence tube for extremely quiet after-flush fill

THE IDEAL REPLACEMENT FOR MOST SIDE ENTRY VALVES

Prod. Ref. PVBV00400



WRAS
APPROVED
PRODUCT



Thomas Dudley Ltd.

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QUIET SIDE INLET FLOAT VALVE - TO BS1212 PART 4

The Hydroflo® inlet valve is fully assembled and tested before leaving our factory.

INSTALLATION INSTRUCTIONS

For component name reference, see diagram opposite.

- Before installation ensure that the cistern is clean. Dirt or loose particles can affect the efficiency of the Hydroflo valve. Ensure that the supply water pipes are flushed through to remove any debris etc.
- Fit float to arm by screwing float threaded stem through arm (in direction shown in diagram). Assemble one of the back nuts on to the threaded tail of the main body with the raised shoulder facing away from the body. Fit the valve into the tank or cistern making sure that the raised shoulder on the back nut is located in the cistern hole to centralise the valve. Fit the other back nut on the valve and tighten to secure. **DO NOT OVER TIGHTEN.** Make sure the float arm and float are free from obstruction.
- Adjust float position by rotating threaded stem so that the top of the float body is approx. 12mm below the water level marked on the inside of the cistern. The threaded stem may be shortened if it fouls the inside of the cistern lid.

IMPORTANT

Remove factory fitted flow restrictor if inlet pressure is below 25psi (1.5 Bar or 50ft head)

- Check that the overhead discharge nozzle assembly is securely fitted and that the filler tube is hanging vertically and is free from obstruction.
- Connect the water supply to the valve and turn on the water. Allow the cistern to fill and adjust the water level by rotating threaded stem on the float (clockwise to lower level and anti-clockwise to raise level). Observe that the arm moves freely up and down and that the valve is functioning correctly and shutting off when the required water level is achieved. It will be noticed that after shut off the valve will continue to drip from the hole in the pressure chamber cover. This is a necessary requirement of the valve design and will take a few minutes to stop. Finally check carefully for leaks. **Follow final installation checklist.**

MAINTENANCE

The Hydroflo valve is fitted with a filter which may need cleaning occasionally to ensure that optimum water flow is maintained. The procedure for maintaining the valve is as follows:

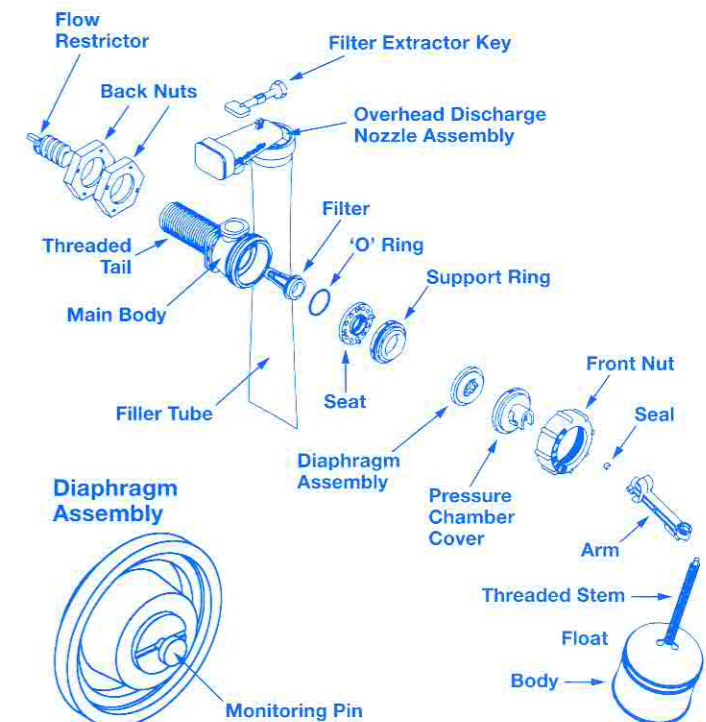
- Turn off the water supply to the valve.
- Unscrew the front nut and remove arm and pressure chamber cover. Remove diaphragm. Remove the filter extractor key from the overhead discharge nozzle assembly. Insert the key through the centre of the support ring and seat, then rotate key until it locks behind the seat. Pull key - the support ring, seat and filter will become free from the main body. Remove filter from seat. Wash filter in clean water removing any debris that has been caught. Generally clean the inside of the valve body with clean water.
- Re-assemble in reverse order ensuring that the filter is pushed fully home in the seat. Make sure the monitoring pin in the diaphragm is free to move. Refit the pressure chamber assembly making sure the locating lug is positioned in the mating slot in the main body. Slide front nut over arm on to the main body and hand tighten. If the arm is removed for any reason, when refitting make sure that the small black seal is securely in place and that both location pegs are snapped into position.
- Turn on the water supply and ensure the valve operates correctly.
- Reset the float height to the required water level. **Follow final checklist.**

FINAL CHECKLIST

1. Check all moving components operate freely and that the inlet valve shuts off correctly.
2. Check that all connections are tightened correctly.
3. Check carefully for leaks.
4. If water continues to flow from the overhead discharge nozzle assembly once filling of the cistern is complete, check that the front nut is fitted tightly. If loose, it should be secured at least hand tight (between 2 and 2.5 Newton metres). Do not over tighten.
5. If overflowing or poor filling subsequently occurs:
 - Check float and arm move up and down freely and that water level is correct.
 - Check that the filter is free from debris.
 - Check that the restrictor has been fitted in accordance with the instructions above.

WARNING!

No sealing compound, paste, flux or solvent to be used in contact with plastic or rubber surfaces, to avoid damage to plastic components. Rubber washers should provide adequate seal. PTFE tape may be used on threads. Do not over tighten plastic nuts.



Thomas Dudley Ltd operate a policy of continuous improvement and reserve the right to alter the specification of any product without prior notice.