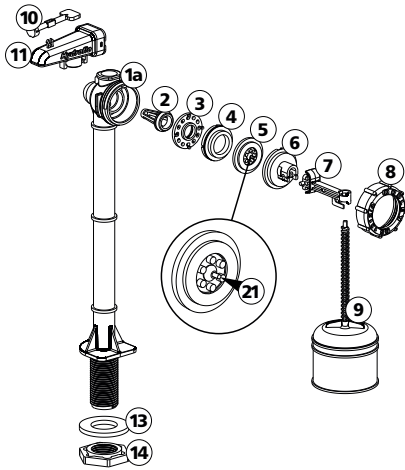


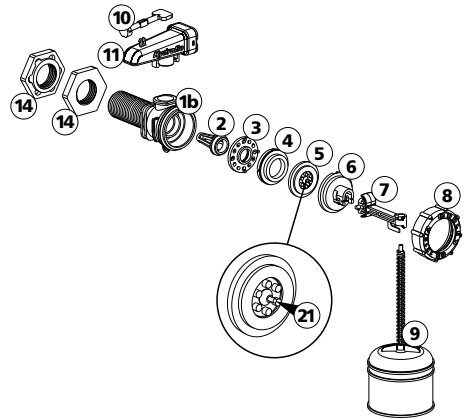
Hydroflo

Bottom Inlet Valve



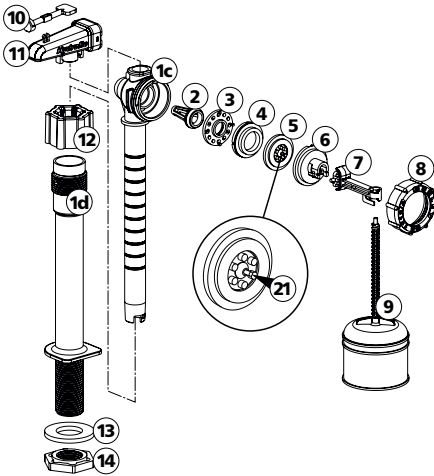
Hydroflo

Side Inlet Valve



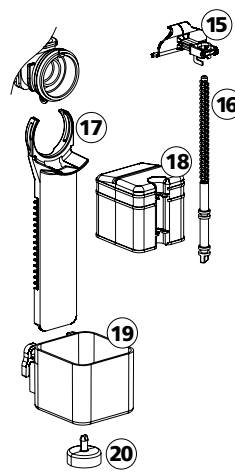
Hydroflo

Telescopic Inlet Valve

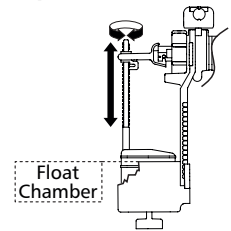


Hydroflo

Compact Float Assembly



Important Note



For optimum delay fill time, adjust the float mechanism so that on shut off, the top of the float chamber is between the two marked lines on the float.

- 1a Fixed Pedestal Body 1b Side Inlet Body 1c Telescopic Inner Stem 1d Stand Pipe 2 Filter 3 Seat
- 4 Support Ring 5 Diaphragm Assembly 6 Pressure Chamber Cover 7 Arm 8 Front Nut
- 9 Standard Float 10 Filter Extractor Key 11 Overhead Discharge Nozzle Assembly 12 Lock Nut
- 13 Rubber Washer 14 Back Nut 15 Compact Float Arm 16 Float Adjuster Stem 17 Chamber Adjuster
- 18 Compact Float 19 Float Chamber 20 Chamber Plug 21 Monitoring Pin

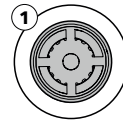
INSTALLATION INSTRUCTIONS

For component name reference, see diagrams overleaf.

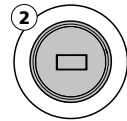
- Before installation ensure that the cistern is clean. Dirt or loose particles can affect the efficiency of the Hydroflo valve. Ensure that the supply water pipes are flushed through to remove any debris etc.
- Fit the rubber washer (bottom inlet valves) or 1st back nut (side inlet valves) onto the tail of the valve. Fit the valve into the tank or cistern in the position allocated for the valve. Fit the external back nut onto the valve and tighten to secure. **DO NOT OVER TIGHTEN.** Make sure the float arm and float are free from obstruction.
- **TELESCOPIC VALVES ONLY:** Release lock nut and adjust inner stem to required length. Make sure the lock nut teeth are engaged in the inner stem groove and lock to hand tight.
- **STANDARD FLOAT:** Adjust position by rotating the threaded stem so that the top of the float body is approximately 12mm below the water level marked on the inside of the cistern. Ensure the arm is allowed to rise and drop fully. The adjuster stem may be trimmed if necessary.
- **COMPACT FLOAT:** Adjust the float chamber so that the top of the chamber is slightly below the required water level and check the chamber plug moves freely in the float chamber. Adjust the float position by rotating the float adjuster stem so that in shut off position, the top of the float chamber is between the two marked lines on the float. The adjuster stem may be trimmed if necessary.
- Check that the overhead discharge nozzle assembly is securely fitted.
- 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. It will be noticed that after shut off the valve will continue to drip from the front nut. This is a necessary requirement of the valve design and will take a few minutes to stop.

FLOW CONTROL

There are 2 possible types of flow control installed into the tail of the inlet valve.



DO NOT REMOVE



Removable if pressure < 1.5Bar

FINAL INSTALLATION CHECKLIST

- Check all moving components operate freely and that the inlet valve shuts off correctly.
- Check connections are tightened correctly.
- Check carefully for leaks.
- If water continues to flow from the overhead discharge nozzle assembly after the cistern is filled, check that the front nut is fitted tightly. If loose, it should be secured at least to hand tight. Do not over tighten.
- Check the overflow condition of the cistern: Manually hold the float arm down whilst the cistern is filling to override the float and ensure the overflow operates correctly.
- If overflowing or poor filling occurs during normal operation, check the float and arm move up and down freely and that water level is correct. Check that the filter is free from debris.

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.
- Carry out final installation checklist.

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.