

# Aquatica International

## BubbleBead Display Unit

This display has a cut-away filter complete with clear side panel and makes an ideal self-contained unit to show the principles of the BubbleBead filter system.

It can be set up in a short time in a retail situation, or at a trade show. The only extra equipment required is a moderately sized submersible pond pump.

The display clearly shows:

- The flow pattern when the filter is running
- The operation of the one way valves
- The bubblewash cycle when the filter is being cleaned

The unit comes with a reversible full colour display card on 'velcro' mounts for easy storage.



In conjunction with the display card, the unit is self explanatory to the customer. Staff will also find it a great sales tool to use when talking through the filtration process. It acts as an ideal focus of attention for both the customer and their family, and the eye-catching BubbleWash cycle pulls in bystanders keen to find out what is going on.



**Air inlet and outlet non-return valves clearly shown**

**Sump hidden in the base of the stand**

**The whole unit packs neatly for storage  
48cm x 48cm x 93cm H**



The units are available for purchase through your normal trade distributor or directly from Aquatica International (Telephone: 020 8669 6643) - Please ask for details.

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### BubbleBead Display Unit - Instructions

- 1) Lay the carton on its side and slide the unit from the box.
- 2) Use a cross-headed screwdriver to remove the four bolts that hold the side panel of the unit.
- 3) Slide the loosened side panel towards one end of the unit. Hold each side of the panel at the centre and gently flex the panel towards you to loosen one end from its recess. If necessary a flat headed screwdriver can be used to gently lift the side panel free of the end recess. Put the panel to one side.
- 4) The filter body is packed inside, bolted to one end of the unit (the end that will eventually become the upper end of the stand). With the unit on its side, loosen and remove the butterfly nuts that hold the filter in place.
- 5) Lift the reinforcing panel off the outside end of the unit. Keep all the nuts and bolts. Carefully lift out the filter body, reservoir tank and hoses.
- 6) Place the stand where required, on a sound level surface, with the drilled end uppermost, and place the reinforcing panel on top of the unit, aligning all the holes.
- 7) Wrap the threaded ends of the hoses with P.T.F.E. tape and screw the three lengths of ¾" i.d. hose into the three sockets in the base of the filter body. The reinforced hose should be attached to one of the sockets that is linked to the black three-way valve.
- 8) Lift the filter body into place and guide the three hoses through the appropriate holes in the stand as the filter is lowered onto the stand. Align the corner bolt holes. Thread the bolts through the holes and re-attach the butterfly nuts to the threads inside the stand, so holding the stand, reinforcing panel, and filter body, firmly together.  
If a bolt hole doesn't line up, lift that corner of the filter body, fitting the bolt through the reinforcing panel and stand only. The filter must be bolted to the stand on at least one corner.
- 9) Place the reservoir tank in the base of the unit. Connect a submersible pump (Amphibious P3000 or similar) to the lower end of the reinforced hose with a clip. Place the pump, and the two clear hose ends into the tank. The pump should draw water from near the tank base and does not need a fine strainer.
- 10) Add water to the reservoir tank filling it to just below the inner lip - around 4cm from the top of the unit. This will give a water depth of around 15cm/6 inches when the filter is running. (N.B. Overfilling the unit can result in water splashing out during the bubblewash cycle.)
- 11) Peel the protective sheet from the front of the filter. The units have been factory tested with water, so the beads may appear damp. Replace the side panel to give the stand greater rigidity. Feed the pump cable out through the side of the panel or through a small notch cut in the corner of the panel. Bolt the panel into place once a test run has been carried out.
- 12) Turn on the pump and turn the three-way valve to allow water to run up into the filter. As the filter fills with water, the spring loaded valve on the top outlet pipework of the display unit will open intermittently to release air, creating some noise. This is normal. Once the filter has filled, gently shake it to loosen any beads and displace any excess air from inside the filter.
- 13) To demonstrate the backwash, turn the three-way valve to the opposite extreme. This stops water flowing into the filter, and allows water to drain back into the reservoir. As the filter drains, air is drawn in through the air inlet and churns the beads clean. Customers can place their hand over the top of the air inlet pipe to feel the suction pressure as air is drawn in.
- 14) Hints and tips: \* Site the unit out of direct sunshine and add a strong algicide to the water to prevent algae growth inside the display unit. \* Do not use foaming bleaches, or dye based chemicals. \* Leave the filter drained when not actively demonstrating its use. \* To make up for evaporation, the unit will need topped up with water periodically. It is wise to change the water occasionally on permanent displays. \* Keep the front of the unit clean by wiping occasionally with a damp, non-abrasive cloth. \* This display unit is not intended for fish system use.

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