Bubble Column - No Mirrors, Non-interactive

The two metre high Bubble Column is a feature of the Multi Sensory Room. The bubbles gently change colours creating a soft mood which provides a focus point in the room.

Optional Wall Bracket

This bracket provides extra stability for the Bubble Column and is recommended in situations where clients are likely to hold, push or bump the column aggressively.

1. Anchor the acrylic angle bracket (where supplied) to the wall behind and about 10cm below the top of the Bubble Column with suitable wall anchors.
2. Position the bubble column in front of the bracket, remove the plastic lid from the column and slide the acrylic support collar down the bubble tube till it aligns with the angle bracket.
3. Secure the collar to the angle bracket with the 2 bolts supplied.

Set Up

1. Position the Bubble Column so that the label faces the front - and the side panel with visible screw heads is accessible for servicing
2. Unscrew the panel on the side of the unit, giving access to the light and colour wheel assembly
3. Unscrew the 2 screws from this assembly - screws labelled 'for shipping only'
4. Then screw the cover back in place
5. Check that the column is vertical before removing the plastic lid and filling the column with water to about 10cm from the top. Then replace the plastic lid
6. Plug the power supply cord into the Bubble Column.
7. Plug the power supply into a 240Volt power outlet.

Operation

1. Turn on the power to the Bubble Column.
2. Check that the column is bubbling.
3. Check that the light is on and slowly changing colour.

Bubble Column- Maintenance

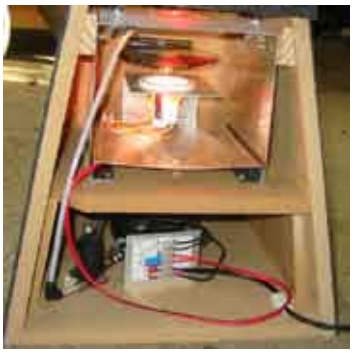
Safety & Maintenance Issues

The Bubble Columns are made of Acrylic (plastic) tube. They are very strong, but will not stand up to extreme bumps. Mobile students/clients should not be left unsupervised if they are likely to "aggressively explore" the column.

Cleaning

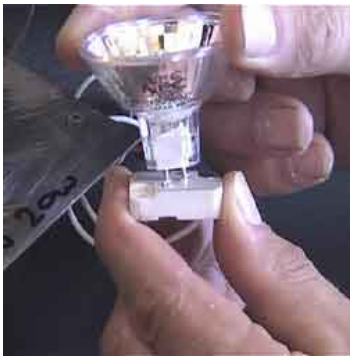
The Column should cleaned with a soft cloth and a plastic safe cleaner. (Mr. Sheen or similar products have the added advantage of being antistatic, which helps repel dust.) Do not use paper towels as these are abrasive, and will scratch the plastic.

Changing Globes



The panel on the side of the unit, can be unscrewed, giving access to the light and colour wheel. The globe and reflector assembly simply pulls up and out of the lamp base. A new globe and reflector assembly can then be pressed back into place. Only use 12 Volt 20 Watt quartz halogen globes. Do not touch the inside of the globe as oil from fingers will burn on the globe.

Sterilising



The water in the bubble column must be regularly sterilised to stop any bacterial or algal growths. Sterilising tablets containing chlorine (Milton tablets or similar) can be used to sterilise the water. Chlorine tablets can be obtained from chemists.

Add the tablets then leave the column turned off for at least 12 hours, typically over night or even better, over the weekend. Running the bubbles after sterilisation should be avoided as it will speed up the evaporation of the chlorine and reduce its effectiveness.

If the water has become cloudy due to biological growth such as algae, a more stringent sterilising regimen should be adopted. This will usually involve the adding of chlorine in higher doses or adding chlorine more frequently.

Emptying & Refilling

Should the inside of the bubble column become stained due to long periods of inadequate sterilisation: Initially attempt to kill the growth with a large dose of chlorine. Then empty, clean and refill the bubble column with clean water.

Remove the cap from the top of the column and use a garden hose to syphon the water out of the column. In some cases a small water pump (available from most hardware stores) may be useful.

Exercise caution when emptying and cleaning so as not to damage the column - particularly take care not to damage the fittings in the base of the column - see 'cleaning' notes above. Finally fill the column to about 10cm from the top then fit the cap.