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BALLS-IN-BUBBLE TUBE (US Item # 37694, CN Item # 376r94)

PRODUCT DESCRIPTION

A non-interactive bubble tube with separate power supply. The tube contains balls which move up the inner column and down the outside column. The four colors and bubbles may be controlled by adding the interactive controller (US Item # 37563; CN Item # 375r63).

CONTENTS

- (1) base unit
- (1) base cover (white plastic cover)*
- (1) ball bubble tube column
- (1) bubble tube cap
- (1) power supply control unit (white box)
- (1) power lead
- (1) packet of colored balls

*If the bubble tube is to be used in a cushioned platform (padded base), the base cover (white plastic cover) must be removed and discarded.

An interactive controller (a round controller with 5 buttons) may be purchased separately (US Item # 37563; CN Item # 375r63).

This product does not include a collar. You may wish to use a collar to secure your balls-in-bubble tube to the wall.

ASSEMBLY

1. Remove the plastic cover from the base unit. The bubble tube column needs to be fitted to the base unit using the four screws provided.
2. Remove protective plastic film from the bottom of the bubble tube column. Attach the brown plastic pipe which is already attached to the pump to the bottom of the bubble tube column. Note: The tube enters by 0.8". The other connection should already have the drain pipe fitted. Check that the blue drain valve is closed—screwed fully clockwise.
3. The base cover needs to be fitted and fixed with the screws provided (unless the Balls-in-Bubble Tube is to be used inside a cushioned platform).
4. Place the balls-in-bubble tube in its final position as it cannot be moved when full. Make sure it is on a stable, level surface. If the surface is not flat, the pump is likely to create more noise than a gentle background ‘humming’.
5. Fill with water carefully until the required level is achieved. This should be approximately 2" from the tube’s top. The water level will rise when the balls are added and the tube is switched on.
6. Place each ball into the tube’s top and submerge until all the air is expelled and they begin to sink. Fit the bubble tube cap on the bubble tube’s top.

OPERATION

1. Plug the IEC/mains lead into the power supply control unit (the socket between the fuse and the ON/OFF switch).

Plug the other end of the lead into the electricity supply. Two screw holes are on each side of the power supply control unit should you wish to wall mount the unit or secure it to the floor. No fixings are supplied as these depend on the surface to which the unit will be attached. The power supply control unit weighs 4.2 lbs.

2. Plug the bubble tube into the power supply control unit using the 4 pin plug supplied (marked “power out”) on the power supply control unit.
3. Switch on at the wall. The power supply control unit has a switch at one end to switch the unit on and off. Switch it on.
4. The unit will begin to flash, displaying a sequence of colored lights. Bubbles will then begin to rise up the tube. Turn the wheel—see right—on the white base cover to adjust the speed of the light’s change.

Note: The balls-in-bubble tube will not become interactive without the interactive controller (**US Item # 37563; CN Item # 375r63**).

5. To control the color changes and bubbles an interactive controller is required. Switch off the balls-in-bubble tube completely. Connect the interactive controller to the base of the bubble tube and tighten the screws at the connector’s side.

USING THE INTERACTIVE CONTROLLER (US Item # 37563; CN Item # 375r63) (THE ROUND 5-BUTTON SWITCH BOX—NOT INCLUDED)

- To select a colored light press one of the five buttons (red, green, yellow, blue, and orange) on the top. Please note: when choosing the yellow option, small flecks of other colors will be visible. This is normal and cannot be adjusted.
- To stop the bubbles press the central button on the top. Release the button to make the bubbles start again. A dial labeled BUBBLES with two options—NORMALLY ON and NORMALLY OFF—is on the underside of the switch box. Switch between these so that one way the bubbles start if the central button is pressed and the other way the bubbles will stop if the central button is pressed.
- To adjust the speed of the light change/flash rate use the SPEED and DELAY buttons underneath labeled COLORS.

SAFETY

1. The Balls-in-Bubble tube is suitable for use on a level horizontal floor. Do not attempt to move the bubble tube when it is full of water.
2. Always supervise this product’s use.
3. Regularly change the water and use a suitable water-cleansing agent.

CARE AND MAINTENANCE

TO EMPTY THE BALL BUBBLE TUBE

1. Remove the base cover and then locate the drain hose and blue valve.
2. Make sure the extension hose’s outlet is placed into a suitable drainage reservoir. Turn blue drain valve anti-clockwise to start flow and clockwise to stop the flow.
3. Refill the balls-in-bubble tube.

GENERAL CARE

1. Wash the exterior of the Balls-in-Bubble Tube with a slightly soapy cloth. Wipe excess soap away with a damp cloth.

NOTE: Never use solvents or liquid detergents inside the balls-in-bubble tube. Never use bleach as it will discolor the balls in the tube.

TECHNICAL INFORMATION

Bubble Tube

Pump: 12 Volt 50/60 Hz, Schwarzer Prazision, type SP 203 S.

Lamps: 6 x Low Voltage LEDs

Power Supply Control Unit : 230 Volt (110V)

50/60Hz Output: 12V DC, 60W

Supply Fuse: T500 mA (T1 Amp)

Output Fuse: T5 Amp (T5 Amp)

The power supply can be switched between 230V and 110V operation.

Lead from power supply to plug: 240v

The power supply was designed and is produced with the total double-installation system as laid down in EN60335/1.

TROUBLESHOOTING

In the unlikely event of product failure, please check the following:

Problem: No lights, no bubbles.

- Check that the bubble tube is plugged in at the wall.
- Check the Power ON/OFF button on the Power Supply.
- Check that the mains cable is connected to the kettle lead 3 pin MAINS IN **socket** and that the cable to the bubble tube is connected to the four pin POWER OUT socket.
- Check that the VOLTAGE SELECTOR is set to the correct voltage—240V for UK customers, 120V for USA customers.
- Replace the two fuses on the power supply.

Problem: Lights but not bubbles.

- Check the plastic vacuum bottle which should fill with air. If you notice that the bottle top is cracked, air will be escaping and there will be fewer bubbles. Replace bottle top.
- Is the bottle top lightly attached? If not, tighten it.
- Try switching the bubble tube off and then on again. Wait a minute or so for the vacuum bottle to fill with air.
- Check all pipes are firmly connected and free of kinks/bends. Check the pipes have not become loosened. Occasionally vibrations/transportation may loosen pipes.
- Have you connected an interactive controller to the balls-in-bubble tube? Is the connection firm? Turn the interactive controller over. Is it set to “Bubbles On”? If it is not, set it to this.

Problem: The Interactive Controller does not work.

- Is the interactive controller firmly connected? Turn it over. Is it set to ‘Bubbles On’? If it is not, set it to this.
- If this suggestion does not work, it is possible that the pump has failed. Contact FlagHouse for advice.

Problem: Water leaking into the base.

The blue non-return valve (in the base of the bubble tube) has loosened. This valve stops water flowing into the pump. Reattach this valve securely if there aren't any bubbles but the water has leaked.

Problem: The balls are getting stuck at the bottom of the tube.

Remove the cap. Gently twist the top of the central part of the bubble tube. Minimal turning should release any balls that have become 'jammed'.

If this suggestion does not work, find a stick the same length as the height of the tube and gently tap the balls to dislodge them. Alternatively, attach a weight to a length of string and use the weight to tap the balls and dislodge them.

RECOMMENDATIONS**To prevent the growth of microbes in the water:**

- Change the water monthly (use a universal pump to siphon out water or the drain valve).
- Empty the tube altogether if it is not to be used for long periods.
- A suitable water-sterilizing tablet may be added to the water. Consult your local health and safety executive for guidelines. Do not use with ball bubble tubes as this could discolor the balls.
- Do not add bleach, colored dyes, or salt to the water.
- To prevent the bubble tube from being knocked over we recommend the use of a collar. This should be secured to a wall with adequate fixtures.

DISCLAIMER: THIS PRODUCT MUST ALWAYS BE USED UNDER THE DIRECT SUPERVISION OF A CAREGIVER.

To ensure safety, this product must be assembled, installed, and used in strict conformity with the instructions and specifications provided. All warranties of any kind, including, but not limited to, warranties of merchantability or fitness for a particular purpose, are expressly disclaimed and no warranty of any kind is implied or expressly made. FlagHouse shall not be liable for any direct, indirect, special, incidental, or consequential damages arising or resulting from the sale, use, replacement, or repair of this product.

Please direct your questions or concerns regarding this product to the appropriate office listed below:**In the US**

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