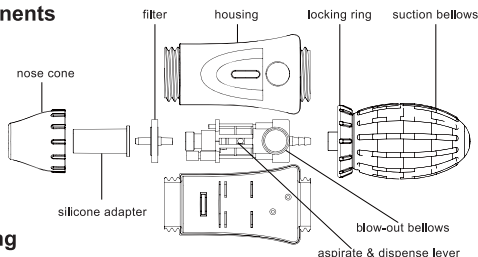


Levo Pipette Controller User Manual

Product description

Levo may be used with glass or plastic pipettes to facilitate the pipetting of a wide range of liquids. Pipettes within the volume range of 0.1ml to 100ml can be used. If the instrument is correctly used, the liquid comes into contact with the pipette only.

Components



Pipetting

1. Fit the pipette

Carefully attach the pipette by inserting it into the silicone adapter inside the nose cone. Do not use force.

2. Fill the pipette

Press the suction bellows first whilst holding the Levo in a vertical position with the pipette tip down. Place the tip of the pipette into the liquid to be aspirated. Press the aspirate lever slowly upwards allowing the liquid to fill the pipette so that the meniscus is slightly above the required mark.

Note:

Do not allow liquid to enter the Levo. The function of the filter will be severely impaired reducing suction efficiency. Spare filters are available see over.

The further up the lever is pressed, the stronger the suction becomes and the quicker the meniscus rises.

In the case of large pipettes the vacuum contained in the suction bellows is not sufficient to draw in all the liquid at once. Therefore, press the suction bellows again and continue drawing up liquid.

3. Adjust the meniscus

Wipe the pipette tip with a suitable lint-free tissue. Press the dispense lever down slowly until the required meniscus has been reached.

4. Dispense the pipette

Hold the collecting vessel in an inclined position, placing the pipette tip against the collecting vessel's wall. Press the dispense lever down to empty the pipette.

5. In the case of 'blow-out' pipettes

As soon as the meniscus in the pipette comes to a standstill, press the blow-out bellows to expel the last few drops. To ensure a complete dispense procedure, wipe the pipette tip upwards a few millimeters along the inside wall of the collecting vessel.

6. 'To deliver' pipettes

As soon as the liquid in the pipette comes to a standstill, wait for the period of time required to ensure the timed liquid has been fully dispensed.

7. Remove pipette

Hold the pipette at its upper end and gently twist and remove from the silicone adapter.

8. Replace the filter and clean the adapter

If the pipette has been overfilled or the suction capacity is impaired, proceed as described below:

- remove the pipette
- unscrew the nose cone
- remove the silicone adapter out of the housing by pulling it upwards. Use a wash bottle to accurately rinse the adapter. Blow out the liquid and allow to dry completely.
- remove the filter and replace with a new one.
- re-assemble

9. Leak test

Attach a pipette and aspirate liquid to minimum of half the capacity of the pipette. Hold the pipette over a suitable reservoir. If liquids drips from the pipette tip, dismantle the unit (see 8) and re-assemble correctly.

10. Warranty

The controller is warranted for three years.

When returning Levo for repair, please ensure the instrument has been cleaned and decontaminated.

11. Ordering information

Cat. No.	Color
740100019999	blue
740100029999	red
740100039999	green
740100049999	yellow
740100059999	pink