

# USER MANUAL



## *AUTOMATIC CHLORINE DOSER*

P2, Block B

Lake Town

Kolkata 700089

India

[www.zimbawater.com](http://www.zimbawater.com)



**REMOVE  
LOCK & COVER**



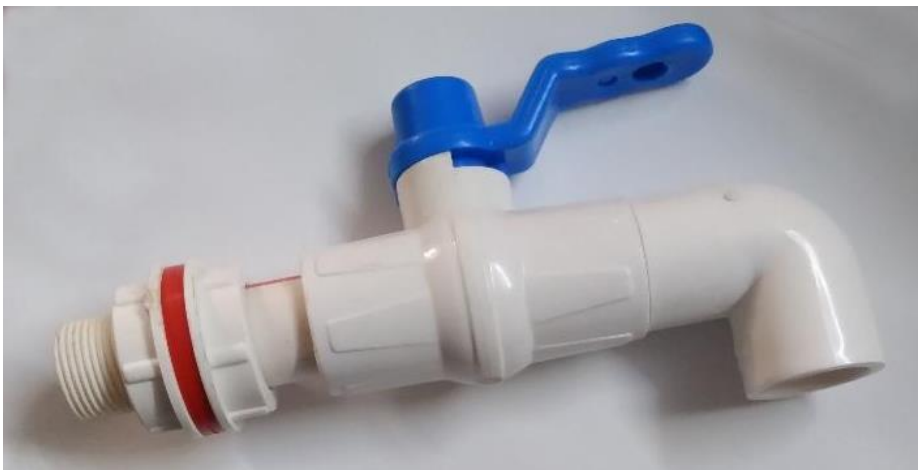
**REMOVE  
DISPENSER**



**REMOVE SIPHON TANK**

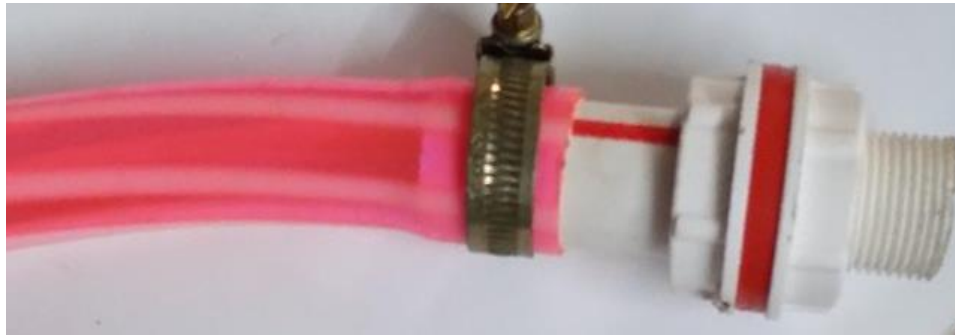


**AVOID HOLDING  
THE SIPHON VENT PIPE  
TO LIFT THE SIPHON TANK**



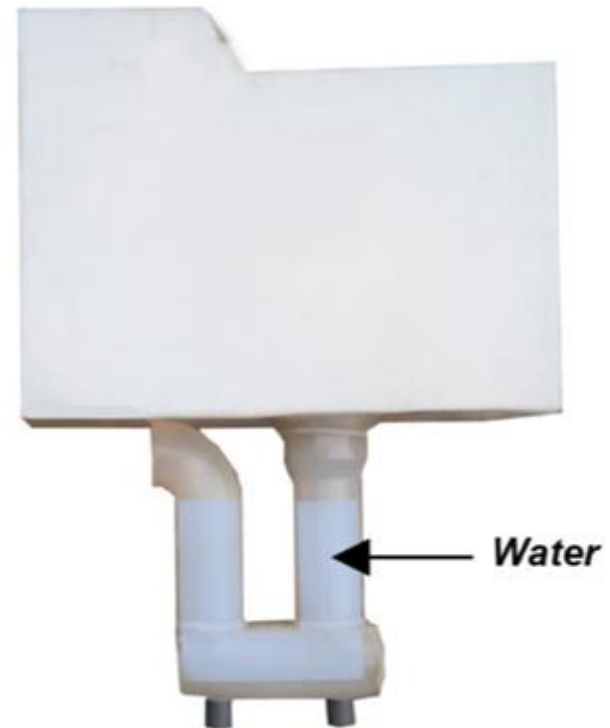
Attach **Faucet Assembly** and **Plug** on the two sides of the outer box.

*A flexible pipe may also be attached instead of the faucet.*



*Using plumber's putty or Teflon thread tape will make a better seal.*

*These accessories are provided with each Zimba unit*



***FILL THE SIPHON U-TUBE WITH WATER***



***REPLACE SIPHON TANK AND DISPENSER***

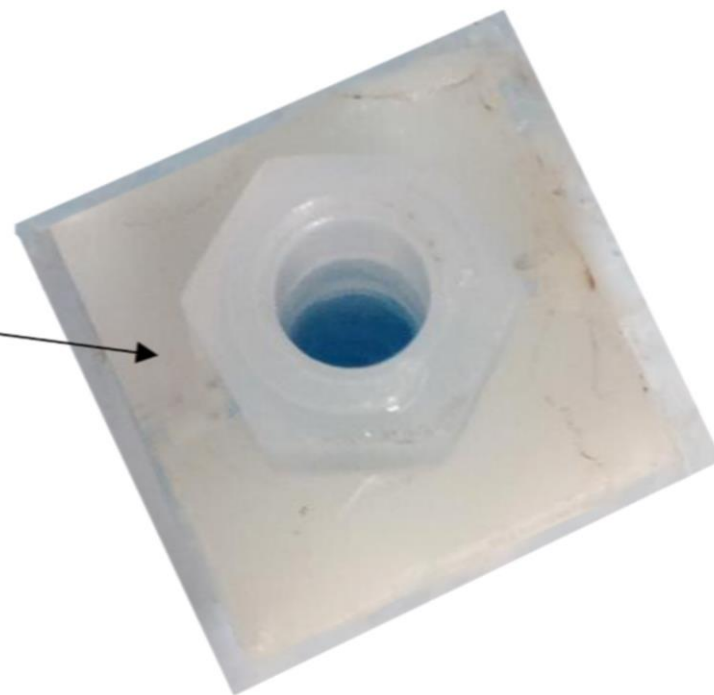


Never fill more than this level



**POUR CHLORINE  
(SODIUM HYPOCHLORITE SOLUTION) HERE**





**UNSCREW THE BLUE CAP.**  
**ROTATE THE 'BOLT HEAD' TO ADJUST DOSE VOLUME.**  
**ROTATING CLOCKWISE WILL INCREASE DOSE (MAXIMUM 6.5 ml).**  
**ROTATING ANTI-CLOCKWISE WILL DECREASE DOSE (MINIMUM 2.5 ml).**





**REPLACE CAP.**  
**ENSURE THE CAP IS TIGHTENED PROPERLY.**  
**LEAKS WILL RESULT IN MALFUNCTIONING.**



**ZIMBA IS NOW READY FOR USE**

**(OPENING THE WHITE COVER WILL NOW ONLY BE REQUIRED IF DOSE HAS TO BE ADJUSTED,**

# Functional Features

1. Weight of the each Zimba unit without chlorine solution is 10 kg.
2. Capacity of chlorine tank is 3 litre.
3. Flush volume is approximately 12 litre.
4. Average flushing speed is 55 litre per minute.
5. Dose volume is variable between 2.5 ml and 6.0 ml.
6. Except for the food grade fiberglass outer casing, all other components are made of recyclable Polypropylene.
7. All metallic nuts and bolts are of Stainless Steel.



# PRECAUTIONS

- Make sure the Blue Cap screws on well after dose adjustment to make an air-tight seal.
- The Zimba unit (or the Stand) should be placed on a flat horizontal place. Tilting may result in malfunctioning of the device.
- Avoid spilling of Chlorine solution while refilling.
- If required, use the vent at the rear right corner of the dispenser to drain out chlorine solution from the dispenser.
- **THE FLOW OF UNTREATED WATER SHOULD NOT EXCEED 15 LITRE / MINUTE.**  
*A cup with a hole at the bottom is attached below the entry point of untreated water. This should restrict the flow of water entering the device to 15 litre/min.*

## DOSE ADJUSTMENT

The dose volume required will depend on:-

- (i) Concentration of chlorine solution in the reservoir of the dispenser.
- (ii) Chlorine demand of untreated water.
- (iii) Required level of residual chlorine in output water.

(World Health Organization recommends 0.2 ppm to 2.0 ppm for drinking water)

To start with, we recommend using 0.5% chlorine solution in the Reservoir and the lowest setting of the Dose. If the chlorine level in the output is lower than that required increase the dose to get the desired output.

After any adjustment of dose or chlorine concentration in the device, discard 5 flushes before measuring chlorine in output water.

## TROUBLE SHOOTING

### *SIPHON NOT FLUSHING.*

Water inflow into Zimba is greater than 15 liters/minute. Open cover and siphon out water from the siphon tank by using a flexible pipe.

Water in U-Tube of siphon dried up due to non-use for a long time. Prime the siphon and restart.

### *NO DOSING. NO CHLORINE IN OUTPUT WATER.*

No chlorine solution in reservoir.

Dose-adjuster cap not tightened enough to seal air leaks.

### *EXCESS CHLORINE IN OUTPUT WATER.*

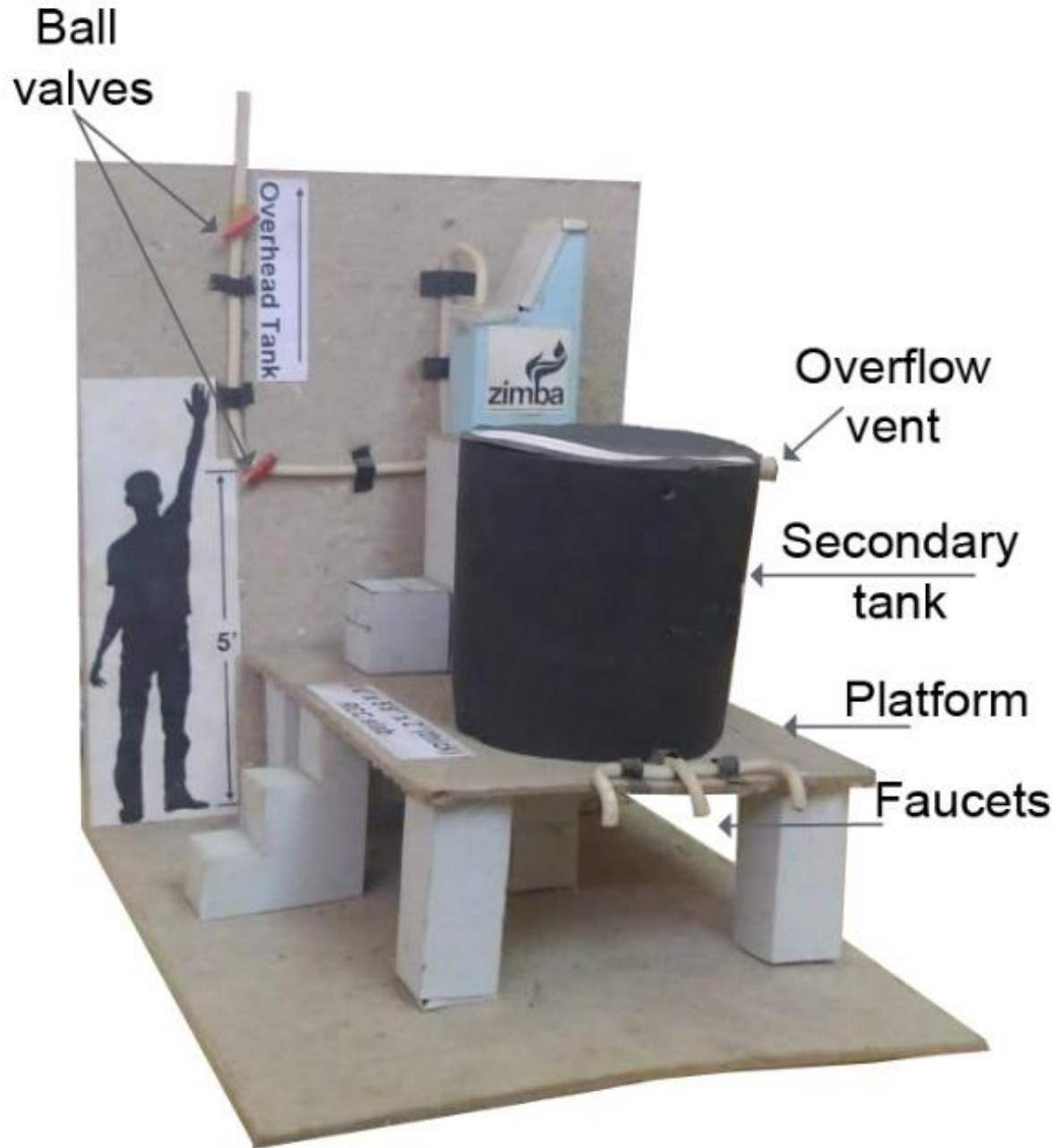
Damage in dispenser resulting in chlorine leak. Bring out the dispenser and fill it up with water or chlorine solution. Keep it in an upright position over a dry surface and observe for at least 30 minutes for any dripping from any point. Report the matter to us.

### *WATER COMING OUT FROM OVERFLOW VENT.*

Overflow will occur if the inflow into Zimba exceeds outflow from Zimba. Overflowing water is also chlorinated and may be collected in a bucket for use.



For community use we recommend a set-up as shown below.



Advantages:

1. Allows sufficient contact time of chlorine.
2. A single person may be trained to refill chlorine.
3. A single person has to operate once a day.
4. Minimum behavior change required for the beneficiaries.



For any technical issues kindly contact us at

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