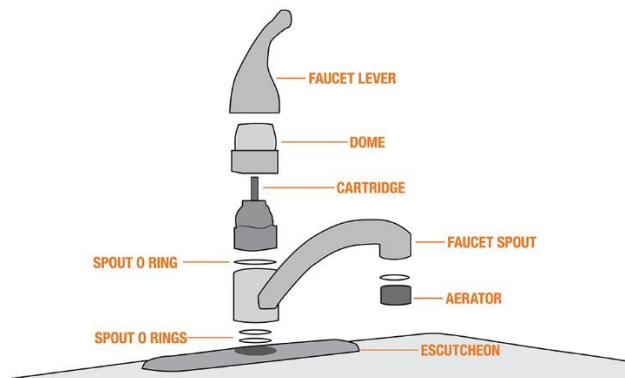


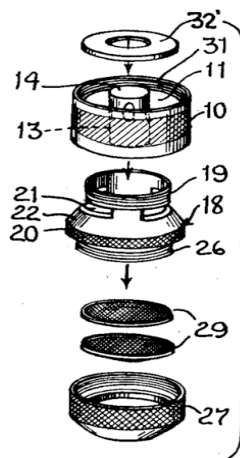
## DROPCOUNT - WATER SAVING AERATORS

1. Aerators are devices that fit into the Faucet spout of the taps.



2. Aerators come in the form of mesh screens that divide the flow of water into multiple small streams by adding air in between. The volume of water flowing from the tap gets appreciably reduced as the water stream is diluted with air. This results in water savings and aerators also minimise splashing in sinks.

In simple terms – Aerators mix air with water to create foam, thereby reducing wastage by 50 percent.



The three major components are –

1. Housing,
2. Insert
3. Rubber washer

### 4. Perceived Water Flow

The perception of water pressure is actually the speed of the water as it hits a surface, (the hands, in the case of hand washing). When an aerator is added to the faucet (or fluid stream), there is a region of high pressure created behind the aerator. Because of the higher pressure behind the aerator and the low pressure in front of it (outside the faucet), due to Bernoulli's Principle here is an increase in velocity of the fluid flow.

Hence the flow appears to be the same, whereas there has been a substantial change. The users don't feel any inconvenience.

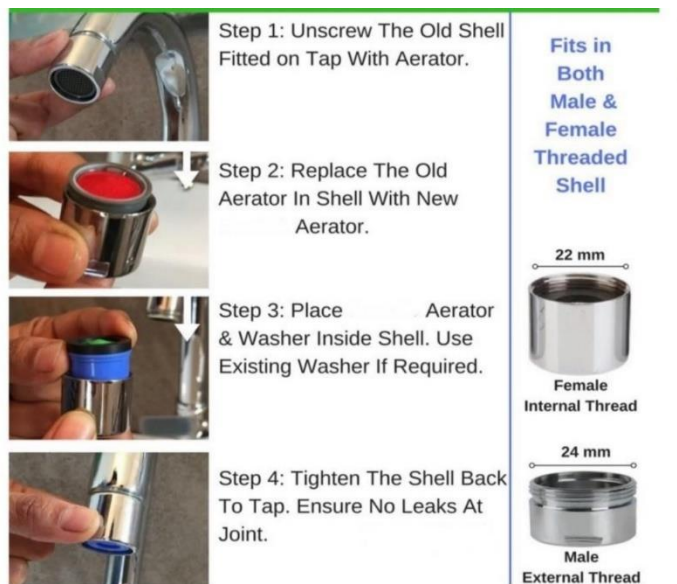
## 5. Quality –

The Product we are providing are made with POM (polyoxymethylene) plastic also known as polyacetal which has the following properties –

- High strength, rigidity and toughness.
- Good impact strength, even at low temperatures.
- Low moisture absorption (at saturation 0.8%)
- Outstanding wear resistance and sliding properties
- Excellent machinability.
- Good creep resistance.
- High dimensional stability.

The above properties ensure the quality and life of the product.

## 6. Installation



## 7. Time taken –

The average time to change 1 tap is 2 minutes.

## 8. Cost –

The cost of 1 aerator is 50 rupees.

For more information contact Arya Lamba, founder DROPCOUNT ph-9971697549