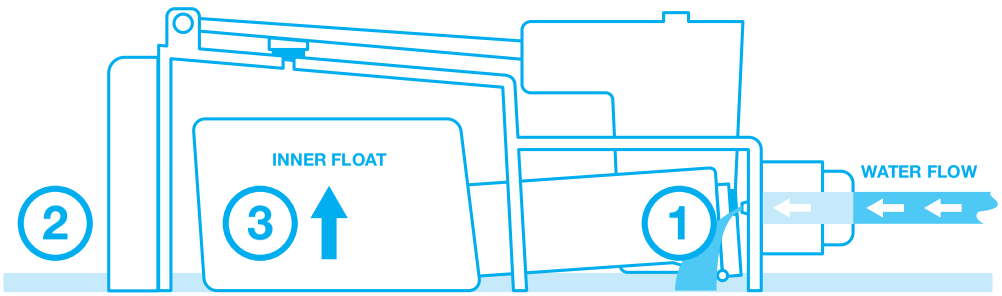
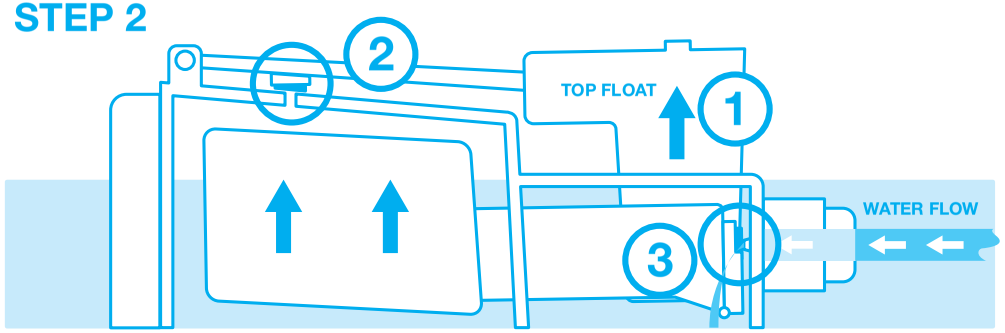
STEP 1



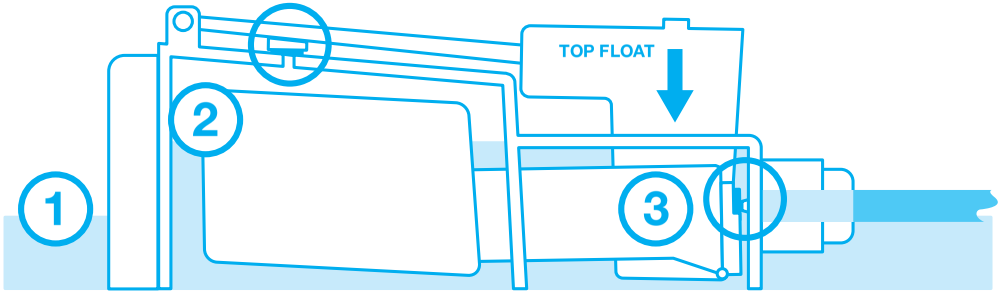
Once the tank is filled with water and liquid feed, it will begin to travel through the pipe from the 47ltr tank. It will pass through the AQUAvalve nozzel (1) and into the tray. As the tray fills (2) with water air is trapped inside and around the ‘inner float’ causing it to try and rise (3).

STEP 2



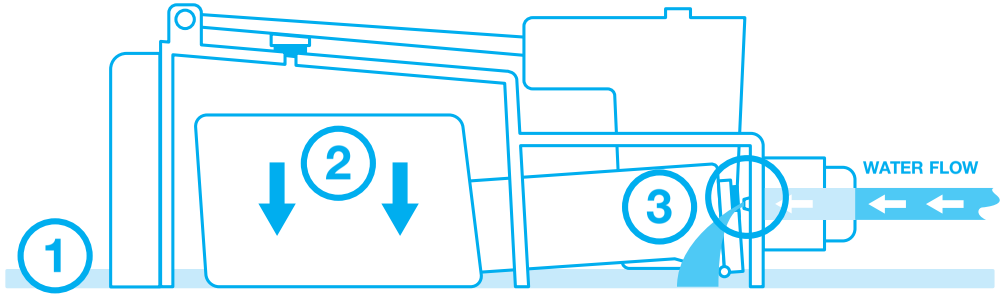
As the water level increases in the tray the ‘top float’ will rise (1). Releasing the trapped air inside and around the main body (2). This will in turn allow the ‘inner float’ to shut off the supply (3). The water level is now 20mm.

STEP 3



Potted plants within the tray will start to reduce the water level (1). As the water level reduces the ‘top float’ will close creating a vacuum inside the ‘main body’ of the AQUAvalve (2). This vacuum traps water inside the ‘main body’ and in turn keeps the ‘inner float’ up and the incoming water shut off (3).

STEP 4



When the water level in the tray has run out completely (1) the surface tension around the main body of the AQUAvalve will break, this can take up to 30 minutes. As this happens all the water that is trapped inside the ‘main body’, keeping the ‘inner float’ up and the water supply shut off is released allowing the ‘inner float’ (2) to drop and open the water supply (3).