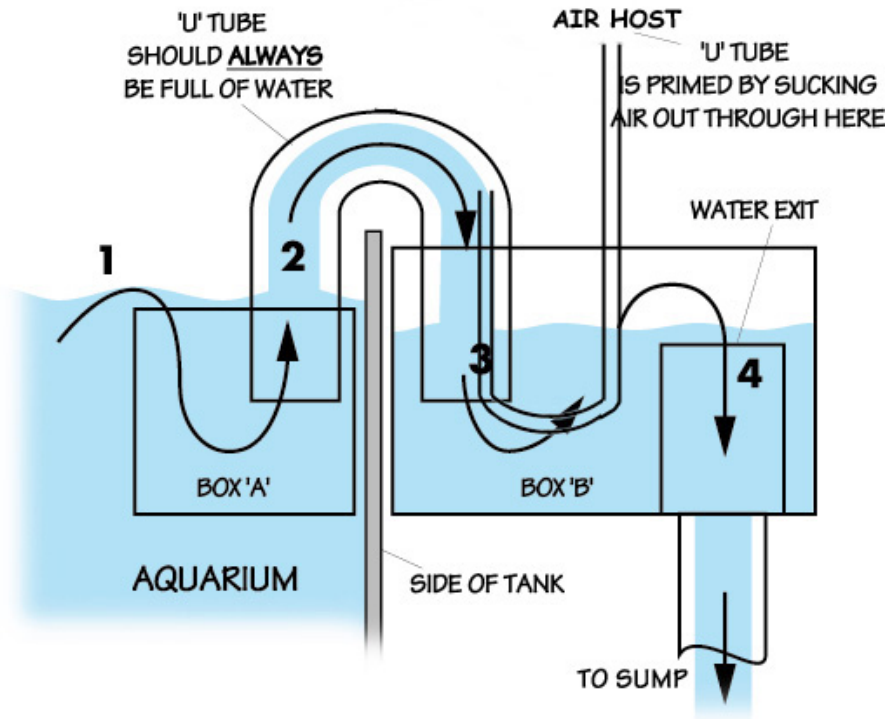


## Self-Start Siphon



Assemble the parts as shown in the diagram, ensuring that the water exit from box 'A' through the 'U' tube and into box 'B'.

The siphon is started by firstly filling the aquarium until water flows into Box 'A'. Then carefully fill Box 'B' with a cup or two of water. Suck the air out of the 'U' Tube with an air hose (1 ft.) until it is full of water, you may need to add more water to the boxes as you do this - no air must be allowed to enter the 'U' tube if the siphon is to be maintained, for this reason it would be better to use clear tubing here so that it can be checked easily (*just simply bend the airline around and submerge the valve in one of the boxes so that no air can possibly enter it*). The siphon is now primed and water will automatically reach an even level in both boxes.

If the level of water in the aquarium increases it will enter the Overflow Box 'A' (1) which will then siphon (2) to Box 'B'. The level in Box 'B' will rise until the water flows into the exit tube (4) where it will return to the sump. The main water pump in the sump will then re-circulate the water back to the tank continuing the cycle. If the pump stops or is turned off, water will only drain to until it's surface is level with the top of exit pipe (4). The 'U' Tube should remain primed ready to siphon when circulation starts again. If the water level in the aquarium drops, Box 'A' will ensure that the siphon remains primed. As with any overflow system it is critical to maintain constant water levels through some sort of top-up system or regular additions of top-off water.

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