The air pocket is contained in the pipe between water in the filter and water in the trap bend. It becomes compressed as the water level rises in the filter.

As the air pocket is compressed, some water is forced up the outer leg of the trap and trickles into the next filter.

As the water level in the filter rises, the air pocket pressure increases, and more water is forced up the outlet to trickle out of the trap.

Water starts to climb inside the pipe cap as water is forced from the trap.