

Capiphon draws water up by syphoning



The tank contains damp soil (clay loam with about 15% fines). Dyed water is poured into the tank to create saturation. Water begins to flow through the belt almost immediately

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In less than 2 minutes the “water table” (head) has fallen due to gravity.

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At 5 minutes the water table is continuing to fall.

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After 7 minutes the head has fallen below the belt.
The belt is drawing water up by syphoning.

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At 8 minutes the water table is at -10mm but the Capiphon belt continues to draw water up by syphoning.

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At about 9 minutes the water table has reached the bottom of the tank, that is -25mm.

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The belt continues to drip even though the water table appears to be -25mm.

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