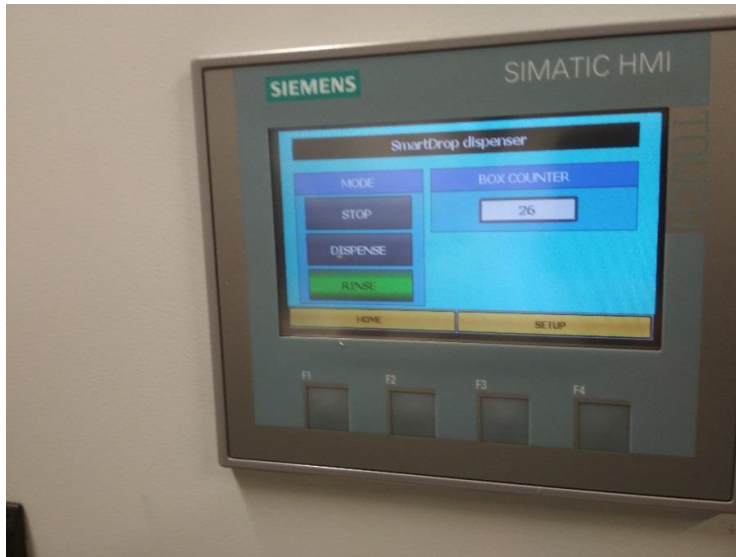


Short introduce of our BioSAP deliver system.

Topic: Hydrogel droplet forming system in hatchery

Overview of the applicator from the technical aspects.

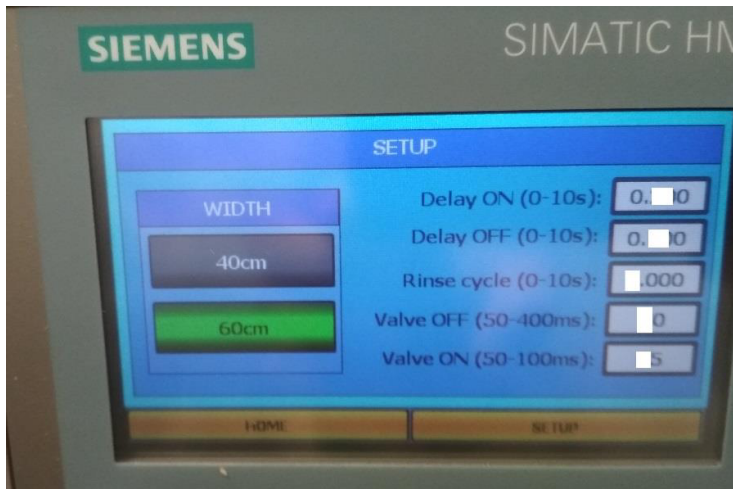


Program/setup introduce

40/60 cm wide belt selection

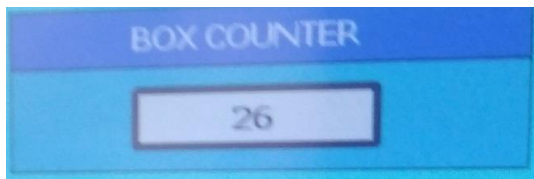


plastic/paper box selection, delay time and valve open/close period setting



delete the box counter

This options is available from far via applicator own network from smart devices.



After the clarified the basic infos started the treatment with our natural bio super absorbents further call bioSAP:

We set around 100 g/ box(90 chicks) bioSAP, it's mean with the number of open/close period able to define the number of drops in quite wide range 48-480. With the open/close period of valve able to setting the drop size.

With this two, exactly three numbers we able provide 20-180 gram per box. This is important, if you like to dispense expensive or limitation active compound. For example in case of probiotic the exact amount per box 1,8 gram.(in case of PS)

Thank for properties of our bioSAP able to provide 98,8% water for hydronation, it was our aim. Than we extend the oil(fatty acid) binding capacity until 25%. Our experience show until 5% could be valuable in biological aspects with polyunsaturated fatty acids.

Our veterinary expert measure the rectal temperature after treatment and 10 minutes after. The temperatures was not differenced after than treatment, but 10 minutes after the difference was significantly (1,5°C) higher in case of gel treated chicks compere with sprayed group.

Our bioSAP work on cold water compere with other gels, ready to use after 30 second(not minutes!) This properties extremely important in vaccination, because the target temperature under 20°C, So the product would another application in veterinarian application where the treatment cost around 0... per chicks.

We can setting the thermal and pH sensitivity with gel component and production parameter changing, it's could be important to active compound delivery.



Our bioSAP stable for hours and don't destroy the chick papers and provide perfect distribution picture.



This is the patented (PCT/HU2020/050055) applicator with box counting program, what is continuously able to check/set via LAN (wifi or own gsm modul. Only one what is can handle (bio)SAP in the drop forming.

