



DRENCH-MATIC®

by HSW



- Automatic self-filling adjustable dose applicator
- Can be used as a Drencher or Injector
- Innovative and ergonomic design
- Simple handling and easy cleaning
- Durable medical grade plastic barrel

The DRENCH-MATIC is available in two different versions:
10/23ml (silver) and 23ml/30ml (white).

The DRENCH-MATIC is a self-filling applicator that has been designed for continuous application of drench or injectable products. The ergonomic, user friendly design and durable materials guarantee a tireless operation and long lifetime.

Set up as a DRENCHER

1. Attach one end of the tubing to the back of the drencher plunger
2. Attach the other end of the tubing to a tubing adapter (e.g. for a bag pack or bottle)
3. Loosen the dose adjustment lock nut (A)
4. Turn the dosing adjustment screw (B) to set the required dosage. Retighten lock nut. (A)
5. Handle spring pressure can be adjusted (C) for comfort and tension



1



2



3



4



5

Set up as an INJECTOR

(additional purchase of luer lock adaptor required)

- a. Remove included Drench nozzle and fit the luer lock adaptor by means of the screw nut on to the tip.
- b. Insert luer lock needle
- c. Follow the instruction under 3. & 4. to set the dose
- d. Hold the syringe at a slight angle, release the handle and draw up
- e. In case of air-bubbles in the cylinder, please repeat as described under (c.)

How to set the Dose

Align the surface of the piston to the require dosage shown on the barrel based on the design you have. There are two different piston designs therefore adjust the applicator you have based on the following instructions.



! CLEANING & LUBRICATION: For maximum reliability and trouble free repeated use the HSW DRENCH-MATIC® must be properly cleaned and lubricated before and after every use.

Maintenance of the HSW DRENCH-MATIC®

To keep the applicator running smooth there are three areas to clean and maintain. The pistons, the valves and the barrel. Prior to any care, remove all traces of the animal health product from the applicator by rinsing thoroughly with warm water and mild soap. Rinse with warm water. Note that the O-rings should be lubricated before and after each use for proper function with food grade oil such as olive oil.

Changing O-Rings / Cleaning the barrel

(Procedure varies depending on the model)

- 1) Adjust the handle by means of the dosage setting to maximum as instructed on page 1 (point 4/5)
- 2.a) Silver model: Unscrew the fixing ring for the handle, remove the piston rod by sliding it backwards



- 2.b) White model:

23ml/30ml (white) with pin lock: Unscrew the fixing screw on the housing and turn the housing by ¼ and retract the housing with the barrel from the handle. You can now remove the barrel.

23ml/30ml (white) with flange: unscrew the filing screw and slide the housing with barrel backwards. You can now remove the barrel.



- 3) Replace the O-ring(s) and felt washer.

Models with two O-Rings: After inserting the new O-Rings lubricate the new O-rings as well as one of the notches on the piston for self-lubrication during use. Use only food grade oil.



Models with felt washer: put the felt washer in food grade oil such as olive oil, before inserting in the syringe. Lubricate the O-Ring as well with food grade oil such as olive oil.

- 4) To clean the barrel, rinse with warm soapy water, than warm water. To disinfect further, the barrel and all other parts can be boiled for 20minutes.
- 5) Please use original spare parts in order to guarantee proper function.

Cleaning the Valves

- unscrew the fixing screw on the front part

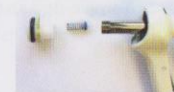
- Front Valve: With a light resistance, pull the valve kit (white valve, O-Ring and spring) out of its position. Clean with warm water and soap, reinstall or replace.

- Back Valve:

- Silver Applicator: Remove the fixing screw and tubing. Replace or clean valve with spring and O-Ring.



- White Applicator: Loose piston from piston rod by using a wrench. Replace or clean valve with spring and O-Ring.



- All models: Please ensure correct inserting of the valve – the spring of all valves has to point towards the nozzle of the syringe

To Lubricate O-Rings

It is recommended to oil the O-rings before and after each use. If the piston becomes sluggish and or the handle will not recoil lubricate the O-ring. To do this, remove the piston and lubricate (according to the instructions above depending on the model) with food grade oil. Do not use mineral oil, silicone, WD 40, glycerine or alcohol. Petroleum based products harden the piston, reducing the overall lifetime of the part.

Disinfection

It is recommended to disinfect the DRENCH-MATIC® including nozzles and needles before and after each use.

1. Draw warm water into the barrel
2. Suspend the complete DRENCH-MATIC® including nozzles and needles in a container of water and boil for up to 20minutes.
3. Remove the DRENCH-MATIC from the container, wrap a clean cloth around the handle and pump it dry