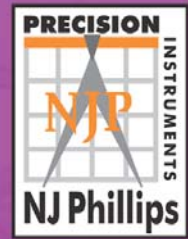




In freezing temperatures, searing heat and even underwater...you can rely on NJ Phillips.



Care & Maintenance Guide

ALWAYS CLEAN AND LUBRICATE YOUR PRECISION PHILLIPS INSTRUMENT IMMEDIATELY AFTER USE

To ensure continued high performance from your NJ Phillips instrument, attention to cleanliness is essential, both for the protection of the user and livestock. On completion of each use, the instrument and 3feed tube MUST be thoroughly cleaned in accordance with the following procedure.

Cleaning for Non-Powered Instruments

1. Add a little standard dishwashing liquid to approximately one litre of warm water
2. After setting the dose to maximum, briskly pump the warm detergent water through the instrument until clean.
3. Hand wash the exterior of the instrument, tubing and draw-off connector using a soft brush if necessary.
4. Rinse by pumping clean water through the instrument.
5. Pump dry and remove tubing.

Cleaning for Powered Instruments

1. Leave the power source connected to the instrument.
2. Place the applicator feed tube into a clean container with a mix of approximately 1 litre/quart of warm water and 0.5ml/½ cc of non-corrosive detergent.
3. Set the dose of the applicator to its maximum and pump the solution through the applicator and feed tube by activating the trigger a number of times until the applicator cylinder and feed tube are clean.
4. Rinse the applicator and feed tube by flushing through with clean water and pump dry by activating the trigger a number of times.
5. Wipe the applicator, feed tube and springs dry, disconnect the feed tube from the applicator and place aside.
6. Immerse the applicator inlet fitting into a small clean container of vegetable oil and draw a small quantity of oil into the cylinder by activating the trigger. Fully close the regulator valve by turning in a clockwise direction, disconnect the gas tube from both the regulator and the applicator, and place aside.
7. Switch off the gas cylinder and release the pressure in the hose. Disconnect the gas line from the regulator by unscrewing.

Lubrication

Pump a small quantity of 'Phillips Lubrication Oil' into the cylinder to improve the operation and durability of valves and o-rings.

NOTE: Do not use mineral oil, WD-40, glycerine, or petroleum-based products

Sterilizing

Clean metal instruments, tubes and draw-off connectors should be boiled in clean water for at least 20 mins.

NOTE: Autoclaving and dry-heat sterilization are not recommended. If chemical sterilization is practised, carefully follow the manufacturer's instructions.

Factory Sterilized Products

1. These are gamma irradiated and cannot be re-sterilized by boiling, dry-heat, autoclaving, or further gamma irradiation.
2. Do not attempt to dismantle, repair or lubricate.

WARNINGS

1. Do not use or leave instruments near any heat source.
2. Keep instruments out of reach of children.
3. Do not use NJ Phillips Drench Guns or Injectors for any purpose other than administering oral or injectable animal medication.

Drenchers

Drenchers are intended for use only with oral preparations for sheep, cattle, lambs, calves, deer, horses and goats. Nozzle sizes and types vary in design depending on species and size; for instance there are different nozzle sizes for sheep, cattle and deer as well as other species. Please ensure that the correct nozzle is used for the species/size of the animal you are orally dosing, as tissue damage and loss of chemical can result from incorrect usage. Do not attempt to use an oral (drenching) nozzle to apply backline or pour on chemicals at any time. Always inspect the nozzle of oral drenchers, particularly at the bulbous tip for signs of sharp edges or damage to the metal finish, and rectify these by smoothing with emery cloth or a fine tooth file, as delicate throat tissue can be damaged and injury can occur.

Injectors and Vaccinators

Injectors and vaccinators are used to inject antibiotics, vaccines, anthelmintics (wormers) and parasiticides, as well as other injectable animal health pharmaceuticals either subcutaneously (under fatty tissue) intramuscularly (into muscle) and intradermally (under the skin). Be careful at all times not to self inject as injury can occur. Be careful of all 'sharps' and dispose of used needles carefully. Select the needle size and gauge in accordance with veterinary instructions. Always ensure that needles are sharp and sterile, as blunt needles can result in haematoma, and dirty needles can lead to infection and severe tissue damage as well as other serious consequences. Be sure to follow all of the manufacturers instructions when injecting your stock. Do not attempt to re-sterilize or repair disposable injectors or vaccinators.



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Care & Maintenance Guide *continued*

Backliners and Pour On Applicators

These apply a variety of chemicals to the animal's hide, usually down the midline of the spine, from wither to rump. A variety of nozzles deliver a specific pattern of chemical. Be sure to use the applicator that is recommended for the particular pour on or backline product you are using. Avoid wind drift of chemical when applying, and avoid spillage, as most formulations of this type can be harmful to humans. Always wear protective clothing, gloves and mask when using these chemicals. Be sure to wash exposed skin quickly after contact with these formulations. Always use the applicator that is recommended by the chemical manufacturer. Do not use a backline or pour on gun nozzle for oral drenching at any time. Check the seals and ensure that the draw off attachment on the back pack is secure before and during use, as leakage of chemical from the container can lead to problems with dosing accuracy, and can be harmful to the operator.

Powered Applicators

These are drenchers, pour-on applicators and injectors that are powered by gas, air or electrical current. Be aware of the special conditions of use of these products. Do not connect to electrical power until safe to do so. When using LPG, ensure that there are no heat sources in the vicinity, and that the operating area is well ventilated. Be especially careful of powered injectors, as serious injury can occur if they are misused. Always be careful when connecting these instruments to compressed air. Be sure to use an appropriate regulator, and obey the manufacturers instructions regarding safe operating pressures.

Implanters and Rumen Injectors

They place a pellet under the skin of an animal, or to inject pharmaceutical products directly into the rumen of cattle. Be careful when operating these instruments, as injury can occur if care is not taken with the implant or rumen needle. Do not 'cock' the injection device until ready to begin processing stock. Some of these devices 'fire' with great force. Do not, at any time, place your hand or other bodily part over shroud at the front of the instrument. When using pellet implanters, care must be taken to avoid crushing the pellets.

Bolus Applicators and Oral Pellet Guns

These are designed to administer oral bolus and pellets to sheep, cattle and other species. Always follow the manufacturers or veterinarians instructions when positioning the applicator, as tissue damage can occur if used incorrectly. Always avoid positioning the applicator near the animal's trachea or windpipe as severe injury or death can be caused in the event of accidental discharge of the bolus or pellet into this portion of the animal's anatomy.

Spare Parts

Use only genuine NJ Phillips spare parts and accessories in your Phillips Precision instrument. All warranties, express or implied, are voided if non-genuine spare parts are used.

General

Always read carefully the instructions for use, care and maintenance that are enclosed with each NJ Phillips Precision Instrument, and retain in a safe place for future reference.

Always clean, wash and lubricate your NJ Phillips Precision Instrument in accordance with the manufacturers instructions which are enclosed with the gun at purchase.

Always take extreme care with needles of all kinds, and dispose of them properly.

Always be aware of wind drift when using back line or pour on chemicals.

Do not use drenchers with backline or pour on chemicals, and never use a backliner or pour on applicator as an oral drencher.

Always be careful to set dose rates in accordance with the pharmaceutical companies label or insert instructions, avoiding over or underdosing, thereby eliminating wastage of chemical, or sub effective dosing.

Always store farm chemicals out of the reach of children.

Each NJ Phillips Precision Instrument is guaranteed against defects in manufacture, provided it has been used and maintained in accordance with the manufacturer's recommendations, and used only with compatible products. Proof of purchase must be submitted along with any claim. The limit of this guarantee is that NJ Phillips will, at its discretion, either replace the instrument or repair the fault.

NJ Phillips will not accept responsibility for repairs or maintenance that are required as a result of normal wear and tear or abuse.

As part of the NJ Phillips policy of continual improvement, we may from time to time make improvements to the design and/or function of our range of products.

Each Phillips Precision Instrument is guaranteed against defects in manufacture, provided it has been used in accordance with the manufacturers recommendations, and only with those animal health pharmaceutical products for which it was designed and any instrument judged to be faulty in manufacture, by NJ Phillips at its discretion, will be repaired free of charge.

Phillips Precision Instruments are designed and intended for use only with animal health pharmaceutical products and agricultural/horticultural chemicals, and must not at any time be used for the administration or application of human health care products.
