

# NJ Phillips Choosing an Instrument Guide



**NJ Phillips instruments are designed for use by the veterinarian and livestock producer to administer medication to animals. The innovative designs and robust construction provide comfort, durability and cost-saving accuracy.**

NJ Phillips instruments are suitable for the administration of medications such as vaccines, sera, endo/ectoparasiticides, vitamins, antibiotics, probiotics, and other pharmaceuticals. Care should always be taken to follow the pharmaceutical manufacturer's administration instructions.

All NJ Phillips instruments have a dose-volume measurement mechanism of either the variable or fixed type.

All NJ Phillips instruments, provided they are maintained in accordance with instructions, will repeatedly deliver a consistent dose.

## Choice

Consider the route of medication administration, the species of animal to be treated, and the animal restraining method to be used. The type of instrument hand-grip you find most comfortable is also an important consideration. You can select from five main types of instrument.

## Automatic Injectors

For the injection of dose volumes from 0.1ml decide whether you prefer;

- A feed-tube from the medication container to the injector nose (top tube) or plunger handle (rear tube).
- The medication bottle attached to the injector nose (top bottle).
- A sterile non-repairable type or a metal which can be sterilised, serviced and repaired.

## Repeater Injectors

- Once filled these injectors can administer multiple shots with a built-in choice of fixed-dose sizes.

## Automatic Drench Guns

- For the oral administration of between 5ml and 60ml doses with automatic refill.

## Single Shot Drench Gun

- Drench is drawn up directly from the chemical container and administered in a single-shot. Doses range between 5ml and 150ml

## Automatic Pour-On Applicator

- For external application only. Dose range is between 5ml and 25ml with automatic refill capability.

## General Instructions

To ensure the required dose is delivered the entire instrument and feed system should be primed to eliminate air;

- Position the dose volume adjustment to approximately half the maximum capacity of the instrument.
- Connect the medication feed system to the instrument.
- Pump the instrument delivery lever until the medication is expelled from the nozzle in an unbroken stream (to avoid loss of medication during priming, insert the nozzle into the neck of the container).

Set the required dose by aligning the front of the piston with the appropriate calibration mark.

For best results with a tube feed, the medication container should be the same height as the instrument in use.

Check the accuracy of the set dose by dispensing a known number of doses into a measuring cylinder.

## Sterilising

If a metal instrument is to be used for injecting, it is essential the feed system and supply of injection needles also be sterilised. A common method is to;

- Attach the feed tube to the instrument.
- Draw hot water into the instrument and feed system.
- Suspend the complete system in clean water and boil with the needles for not less than twenty minutes (suspending the complete system provides easy removal and prevents damage if the water boils away).



*Only the feed system and needles need to be sterilised if a factory-sterilised instrument is used.*

## WARNINGS

Some instrument components are adversely effected by medication carriers or solvents such as alcohol or those in pour-on formulations. Viscous formulations, such as oil-adjuvant vaccines, will slow injection and automatic refill speeds.

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