5ml Dial-a-Dose

V-Grip Injector

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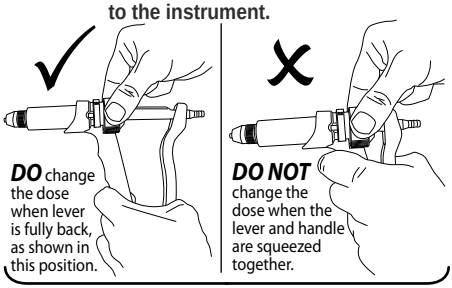
IMPORTANT

This instrument is designed for the administration of vaccines and injectable solutions to livestock. No liability will be accepted by the manufacturer if used for any other purpose. To ensure continued high performance from this instrument, attention to cleanliness is essential. *Please read this leaflet prior to use, in particular the WARNING statements.*

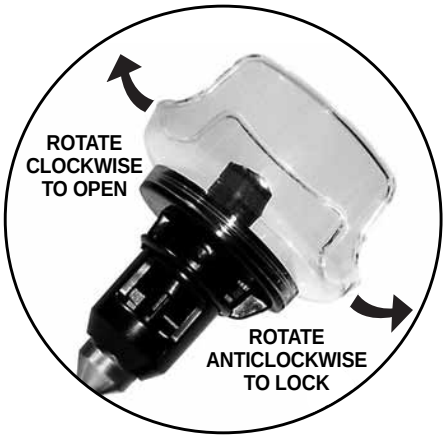
WARNING

This instrument uses a *'dial-a-dose'* mechanism to change the dose. DO NOT squeeze the lever to change the dose as this may result in damage to the instrument.



DO change the dose when lever is fully back, as shown in this position.

DO NOT change the dose when the lever and handle are squeezed together.



Suits bottle-mount vials with 20mm diameter neck.

NOTE

Suspending the instrument not only makes it easier to remove, but also prevents damage should the container boil dry. Chemical sterilization with antiseptic solutions is sometimes practised and in such instances the recommendations of the chemical manufacturer should be followed. ***DO NOT attempt to sterilize by autoclaving.***

INSTRUCTIONS FOR USE

1. Check that handpiece is clean and operates freely by depressing lever (item 13) a number of times. If operation sluggish, clean and lubricate.

2. **STERILIZATION BEFORE INJECTING**
   It is essential that this instrument and a supply of needles be thoroughly sterilized before each use. A common method of sterilization is as follows:
   - **a.** Connect feed tube to handpiece at (item 8).
   - **b.** Wrap cloth around handpiece and place end of feed tube into container of clean hot water and draw hot water into cylinder by depressing lever.
   - **c.** Remove cloth and suspend complete instrument by fully immersing in a container of water and boil together with the needles for 10 minutes.

WARNING

Whilst submerged in the boiling water, ensure the instrument does not touch the bottom of the container.

   - **d.** Remove instrument and needles from container, wrap cloth around handle and pump dry, remove cloth and dry handpiece.

3. Connect feed tube to both the handpiece at (item 8) and draw-off system.

4. **TO FIT A NEEDLE**
   To attach the needle to the injector, ensure the needle nut is screwed on tight; DO NOT remove the nut. Place the needle hub into the needle nut and turn clockwise to tighten.

5. **TO REMOVE A NEEDLE**
   To remove the needle, unscrew the needle in an anticlockwise direction. If needle is stuck, carefully use pliers to remove.

WARNING

Take care to avoid self injection by the needle when assembled to the handpiece.

6. Always prime instrument on maximum dose to expel all air. If this is not done air may remain in the cylinder. **Holding vertically with the needle pointed upwards** depress the lever until all air bubbles have been eliminated from the cylinder and a droplet of solution appears at the end of the needle.

WARNING **Care must be taken to ensure the liquid does not come into contact with any part of the operators body. Chemicals may cause injury to the operator.**

7. Set the dose by turning the dose adjuster (item 11) until the required dose is shown in the dose window.

NOTE **Ensure the lever (item 13) has returned fully to the rear position before adjusting the dose, otherwise you will damage the instrument.**

8. It is recommended that the chosen injection site be cleaned, ideally by swabbing the skin with surgical or methylated spirit. For subcutaneous injection always inject into loose skin. After injecting, massage the site to disperse the injected solution.

CARE AND MAINTENANCE OF INSTRUMENT

1. CLEANING INSTRUMENT

- **a.** Carefully remove and store needles in a safe place or dispose in a proper manner.
- **b.** Disconnect feed tube from draw-off system and place end of the feed tube in a clean container with a mix of one litre/quart of warm water and a little detergent.
- **c.** Draw solution through handpiece by depressing lever (Item 13) a number of times until clean.
- **d.** Hand wash exterior of instrument feed tube draw-off connector with soft brush.
- **e.** Rinse by pumping clean water through instrument.
- **f.** Pump dry, remove feed tube from instrument and wipe dry.

2. LUBRICATING INSTRUMENT

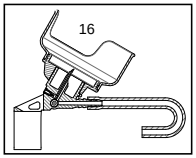
- **a.** Immerse tapered end of push rod (Item 8) into a small container of NJ Phillips Lubricant.
- **b.** Draw a small quantity of NJ Phillips Lubricant into the cylinder by gently depressing lever (Item 13) several times in quick succession.

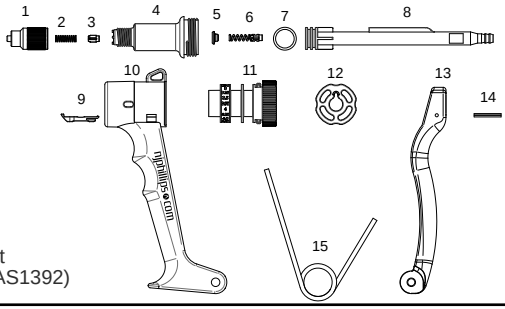
IMPORTANT DO NOT store your applicator or feedtube full of product. Clean as per the "Care and Maintenance" instructions.

WARNING

1. Whilst injecting livestock, appropriate care should be taken to avoid self-injection or needle stick injuries.
2. This instrument should be kept out of reach of children.
3. Do not leave instrument near any heat source.
4. Components in this instrument may be affected by solvents in some commonly used farm chemicals and no responsibility or liability will be accepted by the manufacturer should the instrument be used with any product other than injectable chemicals/ pharmaceuticals.
5. Lubricants other than those indicated may damage rubber components in this instrument.

LEGEND:
1. Needle Nut
2. Delivery Valve Spring
3. Delivery Valve
4. Cylinder
5. Piston Cap
6. Inlet Valve & Spring
7. Piston Seal Ring
8. Push Rod
9. Retaining Clip
10. Handle
11. Dose Adjustor
12. Guide Ring
13. Lever
14. Retaining Pin
15. Return Spring
16. Bottle Attachment (supplied with PAS1392)





PLEASE ORDER BY KIT AND PART NAME

SPARE PARTS AVAILABLE:

KIT No.	PART NAME	INCLUDES ILLUSTRATION No.
WX1756	Major Service Kit	2, 3, 4, 5, 6, 7.
WX1752	Bottle Attachment Quick Release Guarded	16, (supplied in PAS1392).

NJ PHILLIPS PTY LTD ABN 36 000 082 002
ADDRESS: LOCKED BAG 8, GOSFORD, NSW 2250 AUSTRALIA
TELEPHONE: +61 2 4340 2044 **FAX:** +61 2 4340 1991
EMAIL: njp1@njphillips.com.au **MADE IN AUSTRALIA**

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