

Variable Dose Needle-Free Injection System for Swine

The Pulse® 250 needle-free injection system introduces variable dose flexibility to swine vaccination programs. Designed to administer pharmaceuticals or antibiotics through the skin and into the muscle tissue, the Pulse 250 is proven to increase profitability by eliminating the risks and expense associated with needles.

- Eliminates needle fragments in meat
- Eliminates disease transmission from contaminated needles
- Sets new standard for worker safety
- Reduces injection site tissue damage
- Reduces vaccination costs
- Improves overall efficiency
- Powered by compressed air or CO²

Handpiece

- Manufactured from durable ABS material
- Adapted to left- or right-handed operation, ergonomically designed to minimize hand fatigue
- Actuated by contact pressure with pig, with no triggers to squeeze
- Redundant on/off switch and hand-activated "enable" safety switch
- High-pressure, Kevlar®-lined hose
- Precision-drilled orifice assures optimal stream focus
- Serrated nozzle head assures firm, "no slip" contact with animal during injection



Variable dose convenience

The Pulse 250 comes complete with five interchangeable variable dose inserts to permit 0.5, 1.0, 1.5, 2.0 or 2.5 ml injections.



Pneumatic Amplifier

- Pneumatic Amplifier boosts medication pressure at nozzle head
- Offers multiple pressure settings to accommodate varying animal sizes
- Pressure gauge reads 0 psi to 100 psi
- All components coming in contact with medication made of medical grade material for easy cleaning and maintenance

Energy System Vest/Tool Belt

- Fully adjustable, machine-washable vest or belt assembly assures comfortable fit for all users
- Each 24-ounce CO² canister supplies power to inject 250 to 300 pigs
- "Quick disconnect" attachments for easy removal, cleaning and adjustment



Preferred by Pigs and Processors



Baby Pig Handpiece

Exclusive to the Pulse needle-free injection system, the new baby pig handpiece safely propels a variable dose injection of iron or antibiotics directly through the skin and into the muscle tissue of animals as young as one day of age.

Improves biosecurity

Eliminates needles from the farrowing through finishing operations, reducing the risk of PRRS and other bloodborne diseases known to be transferred through contaminated needles from one animal to the next.

Improves worker safety

Eliminates the risk of accidental needle sticks to vaccination technicians and reduces risk of repetitive motion injuries attributed to squeezing syringe triggers.

Reduces injection site lesions

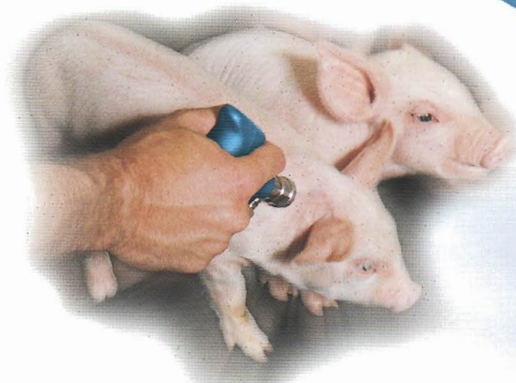
Minimizes risk of infections at the injection site and eliminates risk of striking a bone with a needle.

Improves vaccination efficiency

Allows vaccination technicians to inject thousands of pigs per day, significantly more animals than can be injected with a conventional needle and syringe.

Reduces hazardous waste

Eliminates disposal of contaminated needles and other biohazard materials.



For more information about Pulse needle-free technology, contact:

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