

## INSTRUMENT SUPPLIES....



Instrument Supplies began its life in Hamilton New Zealand about 1980. They listened carefully to what their customers wanted, and are now one of

the world's major manufacturers of drench guns, injectors and vaccinators. Now in a new Hamilton factory with a 'clean room' manufacturing environment, they continue to lead the way in product design, technology and production.



### Protector

25ml drench/pour-on 203 892 \$84.95  
Protector is the original drench gun developed by Instrument Supplies over 20 years ago. But good products last well, and the Protector has a loyal following around the world. It features the same highly visible dose indicator window of latest Instrument Supplies guns. The barrel is easily unscrewed and incorporates the usual no-loss front valve. The Protector is supplied complete with plastic pour-on and metal drencher nozzles, and 1.3m of highly flexible reinforced silicone 6.4mm i.d. draw tubing.

Doses: Two dose selectors are provided, giving the 2ml to 25ml dose in either 2ml or 2.5ml increments.



PRICE REDUCED

### Super-shot

50ml drencher 203 908 ~~\$295.00~~ \$245.00  
Another Instrument Supplies icon. Super-shot has been used by breeders around the world for more than 20 years. This drencher is totally proven and reliable. The all-metal construction stands up to all remedies and even abrasive compounds, such as zinc and magnesium. The barrel and mechanical components are made from nickel-plated brass, and the handles from die-cast alloy. The nozzle is 10mm diameter, 12cm long. Super-shot is supplied with 1.5m of 9.5mm i.d. PVC reinforced draw tube.

Doses: Doses are fully variable using the hinge-point adjuster. Dose graduations are marked on the piston shaft.

### SuperShot Parts

- plunger washers (2) 203 912 \$9.95
- return spring 203 921 \$6.00

#### NO TOOLS REQUIRED

One of the nice features of all Instrument Supplies drench guns and vaccinators is that they can be disassembled for cleaning and maintenance without needing tools.



### Defender

- 20ml drench/pour-on 203 812 \$89.95
- 30ml drench/pour-on 203 819 \$89.95

Just pick this one up to feel the nice grip and smooth action. The ultimate in ergonomic design. Highly visible Dial-a-dose indicator window. The barrel is easily unscrewed for cleaning and lubrication, and incorporates the front valve in a no-loss assembly. The valves are designed for easy flow of product. The Defender is supplied with both pour-on and drenching nozzles, and 1.3m of highly-flexible reinforced silicone 6.4mm i.d. delivery tubing.

Doses: 20ml Defender - 5ml to 20ml in 1ml increments. 30ml Defender - 5ml to 30ml in 2ml increments. Dose rates of Defender guns are extremely accurate even at very low dose rates.



### V-Vaximate

- 10ml drencher 203 944 \$44.95

The V-Vaximate with metal drench nozzle makes an excellent drench gun particularly for use on small animals. The 9cm long nozzle is 7mm o.d. with non-drip tip. V-grip action ensures easy use with all remedies. A short adaptor tube is supplied to use for connection of draw tubes up to 7.5mm i.d. (Draw tube not supplied). This gun can also be used as a 10ml injector.

Doses: Up to 10ml, with barrel permanently marked in 1ml graduations.



### Optimiser

- 15ml drencher 203 882 \$79.95

All the features of the latest Optimiser vaccinator range, but supplied as a drench gun with metal drench nozzle 7mm o.d. and 9cm long. As with all Instrument Supplies drench guns, the barrel is easily disassembled by hand, and incorporates a no-loss valve system. Soft-grip santoprene front handle. Dial-a-dose indicator window. No-waste dose adjustment. No-cavity handles. Supplied with 1.3m of highly flexible reinforced silicone 6.4mm i.d. draw tubing. Doses: 0.5ml increments up to 10ml, then 1ml up to 15ml.



### Optimiser

- 12.5ml utility pack 203 878 \$56.95

All the features of the Optimiser drencher above, but with an accessory selection to make this one tool suitable for almost all vaccinator, injector, pour-on and drencher jobs. This makes the Optimiser 'Utility Pack' a most ideal instrument for small-block farmers in particular. Included are: two x 18g x 1/2" st. steel needles, plain pour-on nozzle, T-bar pour-on nozzle, metal drench nozzle, 85cm of PVC draw-tube with tube connector.

Doses: 1ml to 12.5ml in 0.5ml increments.

### Fusion

- 50ml drencher 203 868 \$105.00

Big-dose gun with metal barrel head and nib for increased strength. Metal drench nozzle 9.5mm o.d. and 11cm long. This gun also features Instrument Supplies Dial-a-dose indicator window, and no-waste dose adjustment (see box this page). The Fusion is supplied with 1.3m of 9.5mm i.d. reinforced silicone draw tubing.

Doses: 5ml to 50ml in 2.5ml increments.

#### NO-WASTE DOSE ADJUSTMENT

Several models in the Instrument Supplies range feature no-waste dose adjustment. This system uses dose adjustment at the top of the stroke, not at the bottom of it. Thus, when changing from high to lower dose during use, there is no need to expel (and thus waste) the excess of the previous dose already in the barrel. Adjustment must be made in open position.



Instrument Supplies Dial-a-dose system is quick, easy and highly visible.

#### DRAW TUBE DETERIORATION

Some pour-on products can damage PVC or silicone tubing. If this occurs please call Instrument Supplies directly, phone 07-849-6018 (from New Zealand) or +64/7849-6018 (International) for advice on tubes to use.

#### CLEANING AND LUBRICATION

All Instrument Supplies guns are easily cleaned by unscrewing the barrel and washing the components under a warm tap. There is no danger of losing the valves whilst doing this. The piston assembly should then be dipped into plain cooking oil to lubricate, and the barrel reassembled. Operate a few times to spread the lubrication.