

SAXON

MAGIC EYE

SHEEP JETTER

PPP have been manufacturing sheep Jetters since the early 1980's. The **Saxon Sheep Jetter** has primarily been developed to meet the needs of farmers who want to control flystrike and external parasites but also have mixed aged ewes with average live weights in excess of 85kg. It is also ideal when dipping sheep with a full cover of wool and or sheep and goats with horns.



The Saxon model (manufactured by PPP in New Zealand from Stainless Steel) is larger than the Lincoln model and it is designed with adjustable sides and side nozzles. The advantage of these adjustable sides is when you are working with different mobs consisting of different sized/aged sheep, you can simply adjust the sides to suit. The side nozzles are specifically designed to target pesky lice in fine-wool breeds. Just like the Lincoln Jetter (our other model), there are two top rows of nozzles running length wise down the race (5 nozzles per row). There are also two rows of 3 nozzles on the bottom, angled at 30 degrees forward. However, with the **Saxon** Jetter, there is the addition of side rows on either side of the Jetter with 4 nozzles on each. This particular configuration of nozzles ensures complete saturation. This is designed to penetrate the wool to combat lice as there is more product being applied on either side.



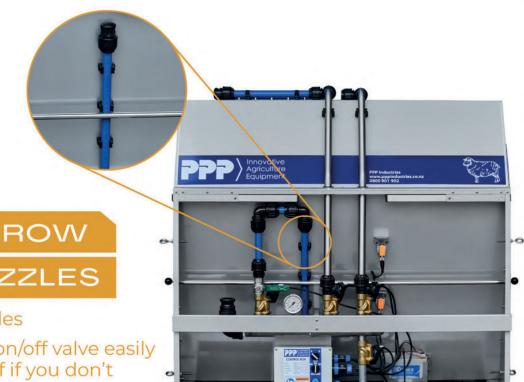






SIDES

6 differents settings



SIDE ROW

4 NOZZLES

- Both sides
- Simple on/off valve easily turned off if you don't need to side jet sheep

SPECIFIC DESIGN PRINCIPLES

Valve Type

• A quick acting solenoid valve has a short reaction time and is not subjected to partial opening as in a mechanical setup.

Nozzles

 Fluid from a solid stream gives significantly better penetration of the fleece and fewer small droplets, reducing the risk to health and safety of operators.

Spray bar orientation

• With 2 top spray bars running in the direction of travel and 2 side spray bars, jetting is significantly increased. This is because greater efficiency is achieved where there is multiple wetting in the same place. Saturation is further ensured with two bottom spray bars angled forward by 30 degrees.

Adjustable sides

• With 6 different settings to choose from, the width of the Jetter can be adjusted to accommodate for different sized/aged mobs.

Spray pressure and rates

• Spray pressure determines the flow rate and the characteristics of the spray stream. The Jetter was designed with the correct number of nozzles to achieve the best range of pressure and flow rates.

Sheep flow

- The speed that sheep pass through the Jetter has a significant effect on wetting. For adequate wetting it is important that animals are controlled to less than I animal per second. General recommendations with respect to sheep flow are:
- As they approach the Jetter, sheep should move around a corner in order to achieve separation.
- The Jetter should be as free from clutter as possible.
- The lead-up race should have solid sides.
- The exit race should encourage sheep to run through the Jetter.
- The entrance and exit races should be similar colours.



Design Feature Specification Number of Top Spray Bars Number of Top Nozzles 10 In line with direction Top Bar Orientation of movement Solid Stream Top Nozzle Type Top Nozzle Direction Straight Down Number of Bottom Bars 2 Number of Bottom Spray Nozzles 6 Solid Stream **Bottom Nozzles Type** Across the line Bottom Bar Arrangement of movement 30 Degree Forward Bottom Bar Angle Solenoid Valve Type Number of Side Spray Bars 2 Number of Side Nozzles 8 Solid Stream Side Nozzles Type Side Nozzles Orientation Facing Side of Sheep

Exterior Dimensions	Saxon
Height	1150mm
Length	1270mm
Width	726mm

Interior Dimensions	Saxon
Height	980mm
Length	1170mm
Width	320mm (min) 550mm (max)

Yes

Weight Saxon 110 kg

Honda Motor 6.5HP Twin Impeller Davey Firefighter Pump

Adjustable Sides

*For the Saxon model



