

SDP liquid silage preservative applicator

The S.D.P. range of liquid applicators are high pressure self priming for grass/maze silage. The S.D.P. system can be used on trailed or self-propelled forage harvester, forage wagons or balers. The SDP kit can be fitted to a variety of containers, including 200 litre barrels and IBCs and built in forage harvester tanks.



Open flow outputs options:

Low Volume SDP: 0.5 - 6 litres per minute

Extra High Volume SDP: 0.5 - 14 litres per minute

The SDP range of applicators are for applying various types of liquid bacterial inoculant preservative to all types of crops.

Other applications the SDP has been used for are: Applying supplements and preservative to Total Mixed Rations (TMR) in feeder wagons, seed dressings and insect repellents to stored grain.

The SDP has been used for propionic (propcorn) type acids but is not recommended.

The basic SDP kit

The S.D.P. consist of: -
Diaphragm pump

Variable in-cab control

Tank tube support pipe

10m meters of cable

10m meters of tubing

Jet body and jets

Filter



Selmech's own in cab variable speed controller enables the operator to set the out put of the pump easily and make manual adjustments for varying crop densities.

Accessories

There are also a selection of optional accessories available depending on what type of equipment the SDP will be used on. These include: -

Graduated Flowmeters

A Flowmeter will give a visual indication of liquid flowing through the system highlighting a blockage or drop in pressure in the system. We have Low and High volume options



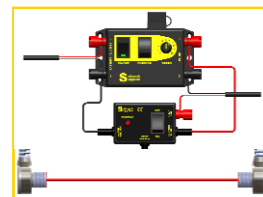
Anti-siphoning diaphragm check valve

If the additive tank is higher than the out-put, for example on a forage wagon, siphoning may occur. To stop this a anti-siphoning check valve are fitted.



Thru-beam crop detection system

The Thru-beam crop detection system can be added to any Selmech applicator kit. Use on balers, forage wagons or trailed forage harvesters to turn the pump on and off.



The SDP and self-propelled or trailed forage harvester

If fitting to a self propelled harvester we would recommend the Xtra High Volume SDP (0.5 – 14 litres/minute open flow) and for trailed machines the low volume SDP (0.5 – 5 litres/minute open flow).

The addition of a Flowmeters with a graduated scale from 1-10 gives a good visual indication of additive flowing through the system.

kit recommended for a self propelled forage harvester.

Extra High Volume SDP kit

XHV Flowmeter

XHV SDP used with built in tank of Krone BIGX



kit recommended for a trailed forage harvester.

Low Volume SDP kit

Low Volume Flowmeter

The SDP and forage wagons

Forage wagon pick-up rates can be quite high and the poor nature of the additive getting mixed with the grass in the same way as it would in a harvester requires that you achieve a good coverage over the width of the swath. For the big forage wagons we would recommend the Extra High Volume SDP kit with the addition of two or four jets.

For smaller types of forage wagon the low volume SDP with two or three jets would be suitable.

In almost all cases the tank will be mounted higher than the jets so it will be necessary to fit an anti-siphoning check valves in the system to prevent siphoning of the additive.

As with forage harvester a Flowmeter is an optional extra that is well worth considering.

Kit recommended for a big forage wagon.

Extra High Volume SDP kit

4 x jet pack including anti-siphoning check valves

XHV Flowmeter

Kit recommended for a smaller forage wagon.

Low Volume SDP kit

2 x jet pack including anti-siphoning check valve

Flowmeter

A typical set-up for forage wagons is to mount 1 or 2, 200 litre barrels either on the tractor front link arms or on a platform on the forage wagon above the pick-up

The SDP and balers

The low volume SDP will be adequate for applying liquid bacterial inoculant preservative to baled silage hay and straw. As with the forage wagon it is important to provide a good coverage of the additive over the swath. A minimum of a twin jet system should be used.

In almost all cases the tank will be mounted higher than the jets so it will be necessary to fit an anti-siphoning check valves in the system to prevent siphoning of the additive.

Kit recommended for a balers.

Low Volume SDP kit

2 x jet pack including anti-siphoning check valve

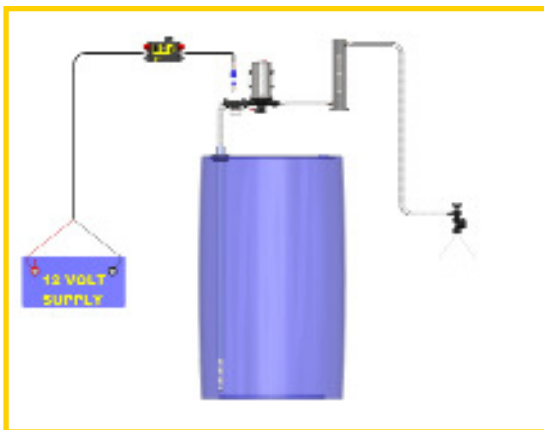
Flowmeter



A typical set-up with balers is to mount a 200 litre barrel on the front link arms of the tractor.

Quick pick guide							
Product code	SS2	SS40	SS45	SS46		SS9	SS9a
Product	SDP LV	SDP X HV	SDP XHV FW	SDP BB	FlowMeter LV	FlowMeter LV	FlowMeter XHV
Trailed forager	●					●	
Self Propelled forager		●					●
Small Forage Wagon				●		●	
Big Forage Wagon			●				●
Big Baler				●		●	
Small Square Baler				●			

Typical set-up single jet



Technical specification

Supply voltage 12 V/DC
Fuse 15 amp

About Selmech Supplies

Manufacturers of Liquid and Powder Preservative Applicators for Grass Silage, Maize Silage, Hay and Corn Crimping

Selmech Supplies have been manufacturing cost effective preservative additive applicators for grass and maize silage for more than 25 years, supplying farmers, contractors and many of the largest manufacturers of additives in the UK, Europe and worldwide.

Selmech Supplies range of liquid and granular applicators are easily mountable and suit all types of self propelled and trailed forage harvester, forage wagons, balers and crimping applications.

We stock a wide range of spare parts and accessories so are able to offer comprehensive support to all our products.

Warranty

All Selmech Applicators are guaranteed against failure which can be attributed to faulty workmanship for a period of six months from the date of delivery.

Selmech Supplies Ltd reserve the right to change its specifications at any time without notice, to allow for improvements or modifications to its design.



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SDP silage preservative applicator



The S.D.P. range of liquid applicators are self priming pumps and can draw liquid from top entry tanks or be flood filled from a bottom outlet. This makes this a flexible applicator that can be used with built in or auxiliary tanks on all type of forager harvester, forage wagons or balers. It can also be supplied complete with a 100 litre tank.

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