



# SAMSON AGRO SHB4 30 METRE DRIP HOSE BOOM

SAMSON AGRO is currently developing a SHB4 30 metre boom. It is the first drip hose boom on the market that offers so much flexibility. It can operate on one working width more than the SHB4 36 metre boom.

Unlike the SHB4 36 metre drip hose boom which was launched at Agromek 2016, the wings on SAMSON AGRO's new SHB4 30 metre boom can be tilted to set an infinitely adjustable working width of 27 or 28 metres – in addition to the usual working widths of 18, 24 and 30 metres. No other drip hose booms have this feature. The new SHB4 30 metre boom was given two stars at Agromek 2018. Only a limited number of units will be produced for the spring 2019 slurry season.

#### Suitable for both a three or four metre system

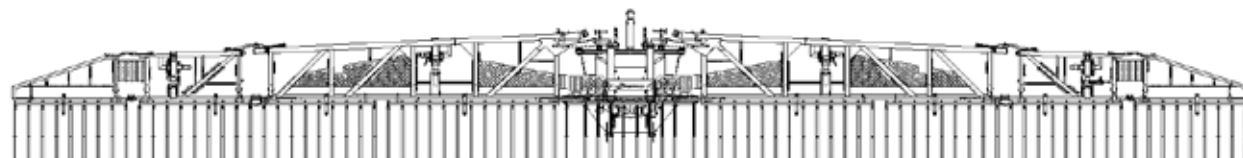
As already mentioned, by tilting the wings on the new SHB4 30 metre drip hose boom while driving, the operator can set an infinitely variable working width of 27 or 28 metres, thus

making the boom suitable for both a three or four metre system. It also achieves one extra working width – making it a more flexible boom. What is more, a number of moving parts are also supplied, which reduces the boom's complexity and wear.

#### Slurry always applied in a straight line

SlurryMaster 8000 ensures intelligent control of slurry distribution in order to compensate for the tilted wings when starting and stopping. This means that the slurry distribution always starts and stops in a straight line, as there is an automatic delay when distributing slurry on the two inner slurry distributors in relation to the working width and angle of the wings.

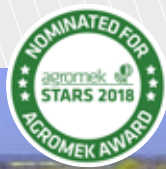
## » TECHNICAL DATA



Technical data						
Working width (m)	Application width (m)	Number of vertical distributors (n)	Transport width (mm)	Distance between drip hoses (mm)	Length of hoses with Ø43 x 3.5 mm (m)	Net weight (kg)
18, 24, 27, 28, 30	18, 24, 27, 28, 30	4	3240	330	300	5540



- growing together



# SAMSON AGRO AUTOMATIC HEIGHT ADJUSTMENT OF THE SHB4 DRIP HOSE BOOM

A preview version of this feature is being launched at Agromek 2018. It is nominated for an Agromek Award in its Category - Field Implements.

SAMSON AGRO is currently developing automatic height adjustment of the SHB4 drip hose boom which will continuously measure and correct the height of the boom in relation to a set height. The wings of the SHB4 boom are controlled independently of each other both above and below level. This ensures that the hoses are always in contact with the soil surface and that the slurry is applied in narrow strips with the least possible surface area and thus the least possible volatilisation of ammonia. The slurry does not splash out from a great height – which would result in an increased surface area of slurry in the strips and the increased volatilisation of ammonia. There is no damage to the boom, as the automatic height adjustment always ensures that only the hoses and not the actual frame of the boom touch the soil surface.

The driver will be relieved to know that he no longer needs to adjust the height of the boom manually while he is distributing the slurry. This happens automatically so he can concentrate on the other things that are required to achieve optimal slurry application. SAMSON AGRO was given two stars at Agromek 2018 for this innovative new product.

## TWO ULTRASONIC SENSORS AND THE LATEST SLURRYMASTER 8000

The new SHB4 36 metre drip hose boom, launched at Agromek in 2016, has been fitted with two ultrasonic sensors – one on each wing. They are located at a working width of 30 metres. They continuously measure the height from the frame of the

drip hose boom to the soil surface. This data is sent to the SlurryMaster 8000, which controls and corrects the height when necessary. The height can be adjusted quickly and easily via the screen and joystick. The automatic height adjustment function can of course also be switched off for shorter or longer periods.

## AN INDISPENSABLE FEATURE FOR DRIP HOSE BOOMS OF THE FUTURE

This is a totally new feature to be able to select an automatic height adjustment of a drip hose boom. SAMSON AGRO has prioritised development of this feature, as the company believes that drip hose booms of the future will be fitted with automatic height adjustment in order to greatly streamline the application of slurry. At the same time, the wings on the SHB4 drip hose boom are controlled independently of each other both above and below level, providing extremely flexible automatic height adjustment of the SHB4 boom.



Two ultrasonic sensors continuously measure the height from the frame of the SHB4 drip hose boom to the soil surface. At the same time, the side wings of the SHB4 boom are controlled independently of each other both above and below level. This ensures that the hoses are always in contact with the soil surface and that the slurry is applied in narrow strips with the least possible surface area and thus the least possible volatilisation of ammonia, even on rough terrain.

