

R7-2 Seed treater



A machine for treatment of cereals, corn, peas, soybeans, rape seed, cotton seed, sunflowers etc.

- Variable capacity up to 7 tons of seed/hour
- Dosing rates from 100 ml to 2,4 litres/100 kg seed.
- Easy dosage calibration in a closed system
- Easy and quick cleaned
- Accurate application of treating liquid and/or powder
- Compact and reliable construction

Principle of operation

Seed metering wheel

The seed is fed through an intake to the seed metering-wheel. The wheel measure the volume of the seed by filling 12 pockets. A brush makes sure that each pocket is completely filled. A counter keeps control of how many pockets being filled at any period. In this way you always have an exact measurement of volume seed fed into the machine.

The capacity in tonnes/hour is easily calculated by using the hectolitre-weight.

This is a reliable way to measure the seed input.

Application zone

From the metering-wheels the seed is fed via a collecting funnel down to a rotating cone. The cone divides the seed flow into an even, rotating curtain. Under the rotating cone the spinning cup is spreading the treating liquid into a mist. The rotating curtain of seed passes through the mist of treating liquid.

This creates an even application on the total surface of the seed.



Secondary mixing

After the application the seed enters the mixing tube. The tube consist of two parts; a transport part and a mixing part. This construction complete the treatment without damaging the seed.

Dosage and security system



HDR dosage system

Dosage System

The R7-2 machine can be equipped with two separate dosage-systems. Either one or two standard systems (std) or one standard systems and one high dosage system (HDR)

The sid-system can handle dosage-rates from 100 to 600 ml/100 kilo seed and the HDR-system from 500 to 2.200 ml/100 kilo seed. The machine can operate with one system separate or two at the same time.

Supervision & security system



Standard dosage system

The R7-2 is equipped with sensors which monitor the flow of seed and treating liquid. When the seed flow to the inlet

is interrupted, the machine stops and restarts automatically when the seed flow returns. When there is not enough treating liquid in the dosage reservoir to ensure an accurate dosage, the machine stops. The R7-2 is approved for the European CE workers safety standard.



Calibration

Calibration and /or checking of the dosing rate takes place in a closed system without passing seed or treating liquid into the machine.

SEED TREATMENT

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