

The R20 Continuous Seed Treater is designed for sophisticated treatments of volume seeds and performs top-quality application.

You can connect remotely with any device through internet and supervise your process for quality control and supervision.

NoroGard **westrup** R20 Continuous Seed Treater



CAPACITY

8-20 ton/hour

The R20 Continuous Seed Treater is suitable for seed plants with a need for treatment of cereals, corn, peas, soybeans, OSR, cotton, sunflowers etc.

NoroGard  **westrup**

The Continuous Seed Treater meets the requirements for:

- Correct Dosage Rate
- High Application Quality
- Easy to Operate and Clean
- Operator Safety
- Reliability
- High Quality
- Minimal Service Needed

R20 Continuous Seed Treater



The Continuous Seed Treater are recommended for production of volume seeds. The treater has an even flow of both seeds and the treating liquids that is continuously measured.

The R20 Continuous Seed Treater is a machine designed for seed plants with a need for treatment of cereals, corn, peas, soybeans, OSR, cotton, sunflowers, etc with a capacity between 8-20 tons per hour. The treater provides easy dosage calibration within a closed system, easy and quick cleaning and accurate application, all within its compact and reliable construction.

The machine's seed metering wheel stands for the most reliable means to measure the seed input, to then be treated through a mist. This way an even, accurate application of the treatment liquids can be made on the total surface of the seed, and to every individual seed.

The application process is carried out in two steps and supported by the dosage system. Each seed treater can be equipped with up to 4 separate dosage systems. These systems can be used separately or simultaneously.

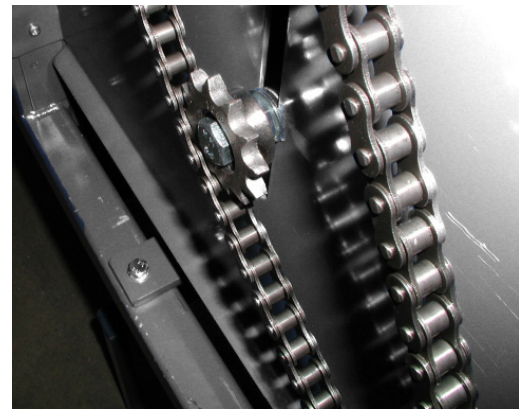
The calibration and/or checking of the dosing rate is done within the closed system in order to prevent seed or treating liquid from being sacrificed with complete operator safety. Each dosage system includes a transport pump which is designed to ease emptying and cleaning.

The machine is easily operated by the NoroGard software through a touch screen. When the seed, liquid or powder flow is interrupted, the machine will automatically stop and then re-start when the flow returns.

The R20 is approved for the European CE worker's safety standard.

TECHNICAL SPECIFICATION

Power requirement	5,0 kW
Capacity [wheat with density 850 kg/m ³]	8-20 ton/hour
Dosage system	1-4 [see options]
Dosage rate [per system]	100-1000 ml/100kg
Weight	470 kg
Width	800 mm
Depth	1720 mm
Height	1205 mm
Warranties	Orgalime S2012



Our technology is built to last for 20 years.



Calibration of the dosage system is easily operated and controlled in a closed system.

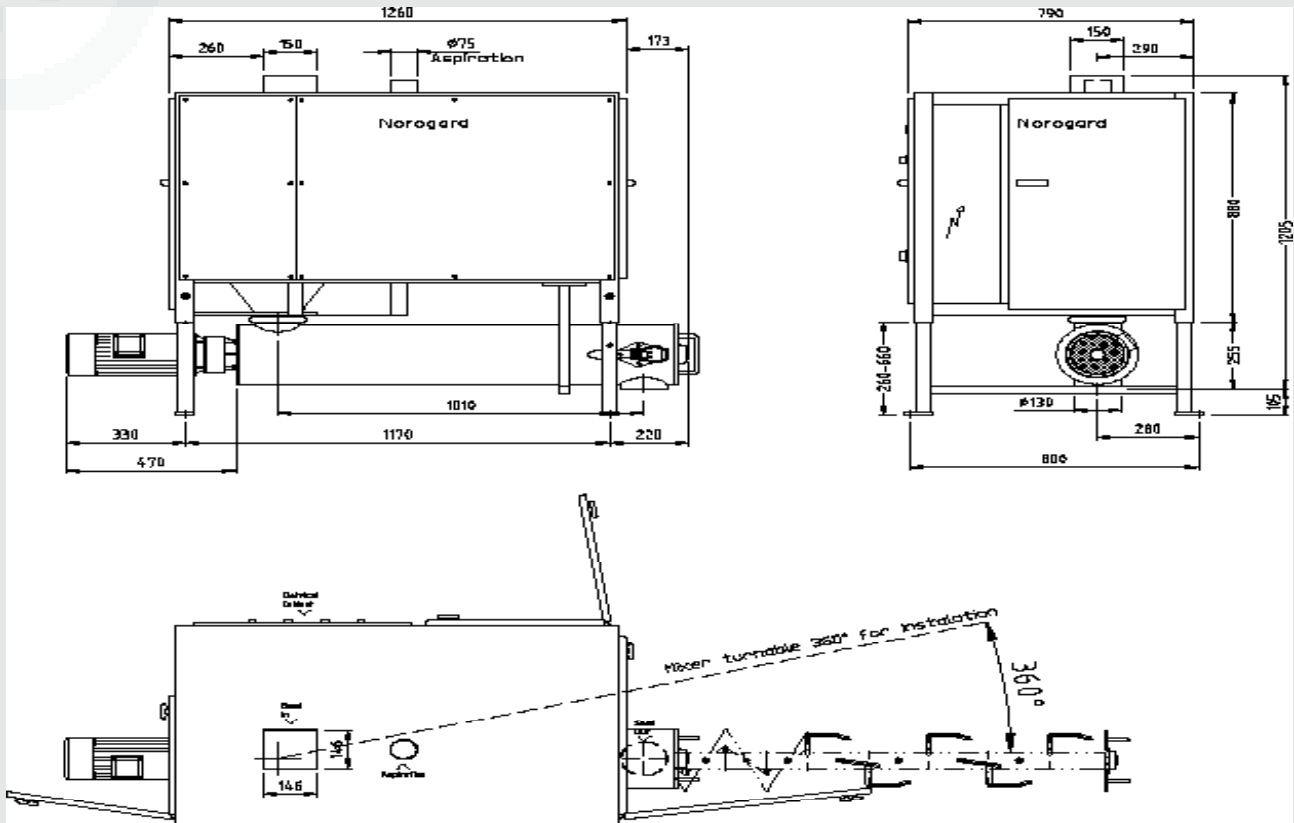
TECHNICAL SPECIFICATION OPTIONAL CONTROL SYSTEMS

	R20	R20 ULD
Continuous control of dosage rates	-	Yes
Touch screen	10,5"	10,5"
GSM Modem Connection	Yes, connect to NoroGard service and/or remote computer/device.	Yes, connect to NoroGard service and/or remote computer/device.
PLC Control System	Schneider Electric and NoroGard Control Software	Schneider Electric and NoroGard Control Software
Calibration	Manually	Manually
Self-cleaning outlet cone	Yes	Yes

OPTIONS

- R20, Schneider PLC controlled w. NoroGard software including recipe management and manual calibration.
- or
- R20 ULD, Schneider PLC controlled w. NoroGard software including recipe management and manual calibration with a liquid flow control.
- Remote control cabinet consisting of a touch panel and a start/stop button. Should preferably be placed at the filling up station.
- Extra dosing systems, maximum 4, for liquids. Each dosage system has a capacity of 100-1000 ml/100kg seeds.
- Powder feeding system.
- Extra mixing tube
- Printer for printing out statistics
- Automizer for mixing of treating liquid with water.
- Customization for treatment of grass seed.

R20 CONTINUOUS SEED TREATER · MEASUREMENTS



NOROGARD · WESTRUP

NoroGard was founded in Sweden where the development and production of high quality Seed Treatment Equipment began in 1965. In 2022 the production of Seed Treatment Equipment was taken over by Westrup A/S in Denmark under the NoroGard · Westrup fusion.

The NoroGard · Westrup seed treaters are designed to be extremely reliable and built to last for more than 20 years. The NoroGard dosage systems are unique and equipped with pumps and flow meters of our own design, in order to offer you the best possible application quality and reliability.

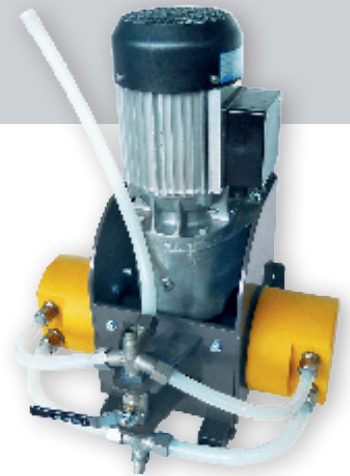
Personal service and customization is key. NoroGard · Westrup delivers sophisticated Seed Treaters worldwide with personal support. The seed treaters are built to last. Should a standstill occur in spite, we always keep your spareparts in stock.

OUR INNOVATIONS

The NoroGard · Westrup pumps are one of our innovations developed and made in-house and specially designed to perform under tough conditions.

The Diaphragm pump is outstanding in reliability and low maintenance compared to any peristaltic pump on the market.

Our pumps have a pressure equalization for an even flow with less pulses, which insures high dosing accuracy. The pumps are also reversible, easy to operate and have a long life cycle.



NoroGard · westrup

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