

# SEED TREATERS

NoroGard  westrup





# SOPHISTICATED TREATMENT SOLUTIONS

**> Our range of Seed Treaters performs at different capacities and handles a variety of products to meet your individual requirements.**

Founded in Sweden in 1965, NoroGard has been a leader in developing and manufacturing high-quality Seed Treatment Equipment. In 2022, the production of our Seed Treatment Equipment transitioned to Westrup A/S in Denmark, marking a fusion of expertise.

The NoroGard x Westrup seed treaters are designed to be extremely reliable and have been engineered to perform under tough conditions. We deliver our seed treaters worldwide and provide personalized support.

# Continuous Seed Treaters

> Our continuous seed treater are designed for your needs. The range of treaters within our portfolio handles various products and ensures high treatment quality. Our machines are easy to operate and perform at different capacities. With our equipment we offer individual solution for individual customers.

## R1



- > Reliable seed treater with easy operation
- > Designed for small seed production companies and on farm use
- > Manual calibration in closed system
- > 1 mixing auger
- > Closed dosage system
- > Outlet prepared for mounting bagging unit
- > High application quality
- > Easy to operate

### Technical specification

Power requirement	0,55 kW
Dosage rate	600-1200 ml/100kg
Capacity* up to	2.3 t/h

\*based on wheat with density, 760 kg/m<sup>3</sup>



Technical specification

## R8

- > Sophisticated treatment for volume seed
- > Integrated hectoliter weigher
- > Manual calibration of dosing systems
- > Operating system with 1 dosage system for liquid
- > Dosing system incl. dosing pump, reservoir with level sensor and transport pump
- > Continuous control of dosage rates
- > 1 mixing auger
- > Liquid atomizer
- > Schneider PLC with 7" touchscreen
- > Remote access via LAN
- > **R8 ULD:** equipped with automatic calibration

Power requirement	2,0 kW
Compressed air	50 l/min
Capacity* between	2,9-7,2 t/h

\*based on wheat with density 760 kg/m<sup>3</sup>

## K7

- > Sophisticated treatment for volume seed
- > Manual calibration in closed system
- > Operating system with 1 std. dosage system for liquid
- > 1 mixing auger
- > Closed dosage system
- > Volume grain wheel
- > Schneider PLC with touchscreen
- > PLC with touchscreen
- > High application quality
- > Easy to operate

Technical specification



Power requirement	3,0 kW
Dosage system	1-2
Capacity* between	2,5-6,3 t/h

\*based on wheat with density 760 kg/m<sup>3</sup>



# Continuous Seed Treaters

## R15/R20/R24



- > Sophisticated treatment for volume seed
- > Manual calibration
- > Operating system with 1 dosage system for liquid
- > Dosing system incl. dosing pump, reservoir with level sensor and transport pump
- > Liquid atomizer
- > 1 mixing auger
- > Schneider PLC with 7'' touchscreen
- > Remote access via LAN
- > High application quality
- > Easy to operate
- > **R15/R20/R24 ULD:** equipped with automatic calibration

### Technical specification

	<b>R15</b>	<b>R20</b>	<b>R24</b>
Power requirement	5,0 kW	5,0 kW	5,0 kW
Capacity* between	5,4-13,5 t/h	7,2-18 t/h	9-22 t/h
Dosage system	1-4	1-4	1-4
Dosage rate	100-1000 ml/100kg	100-1000 ml/100kg	100-1000 ml/100 kg
Weight	470 kg	470 kg	470 kg

\*based on wheat with density 760 kg/m<sup>3</sup>

## > Treatment Solutions For Every Purpose

Our continuous treaters are designed for demanding tasks. The precise construction guarantees an even distribution of seeds and treatment liquids. Advantages are the high application quality and an accurate dosage rate. The PLC system makes easy operation possible.





## > Our Innovations

The Norogard x Westrup pumps are one of our innovations developed and made in-house, 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.



## R35/R45

- > Sophisticated treatment for volume seed
- > Manual calibration
- > Operating system with 1 dosage system for liquid
- > Up to 10 separate liquid dosage systems
- > Liquid atomizer
- > 1 mixing auger
- > Schneider PLC with 10" touchscreen
- > Remote access via LAN
- > High application quality
- > Easy to operate
- > **R35/R45 ULD:** equipped with automatic calibration

### Technical specification

	<b>R35</b>	<b>R45</b>
Power requirement	12 kW	12 kW
Capacity* between	12,6-31,5 t/h	16,2-40,5 t/h
Dosage system	4-10	4-10
Dosage rate	50-1200 ml/100kg	50-1200 ml/100 kg
Weight	750 kg	750 kg

\*based on wheat with density 760 kg/m<sup>3</sup>

# Batch Seed Coaters

> Our batch seed treaters are your choice if you're seeking complex treatment solutions. The range of functions includes pelleting, coating, incrustation, and dressing coaters.



## R534

- > Recipe Handling System
- > Standard dosing system [1000-10.000 ml/min] with reversible double transport pump incl. control system
- > Automatic scale: 1-20 liters of seed per batch
- > Manual calibration of dosage system
- > Schneider PLC with 10" touch screen
- > Remote access via LAN
- > Frequency controlled engines on rotor and spreader
- > **R534 ULD:** equipped with ULD control system and automatic pump adjustments/calibration

## Technical specification

Power requirement	3,37 kW
Compressed air	50 l/min
Air extraction	300 m3/h
Capacity [batch volume]	1 - 20 liters
Capacity* up to	3,5 t/h
Weight	480 kg

\*based on wheat with density 760 kg/m<sup>3</sup>  
20 sec mixing time



> The integrated scale allows you to vary the size of the batch



## > Designed To Meet High Demands

Our batch treater ensures top-class quality while being easy to operate. Our equipment guarantees high application quality. The variety of different machine settings enables you to achieve high treatment results by taking into account the various product characteristics.



## R800

- > Recipe Handling System
- > High dosing system (1.000-10.000 ml/min) with reversible double transport pump incl. control system
- > Automatic scale: 10-80 liters of seed per batch
- > Manual calibration of dosage system
- > Schneider PLC with 10`` touch screen
- > Remote access via LAN
- > Frequency controlled engines on rotor and spreader
- > **R800 ULD:** equipped with ULD control system and automatic pump adjustments/calibration



> Our machines are designed for durability

## Technical specification

Power requirement	12 kW
Compressed air	100 l/min
Air extraction	500 m3/h
Capacity [batch volume]	10 - 80 liters
Capacity*	15 t/h
Weight	950 kg

\*based on wheat with density 760 kg/m3  
20 sec mixing time

# Batch Seed Coaters

> NoroGard x Westrup seed treaters are designed to be extremely reliable. The dosage systems are unique and equipped with pumps and flow meters of our own design.



## R1000

- > Recipe Handling System
- > Standard dosing system [1000-10.000 ml/min] with reversible double transport pump incl. control system
- > Automatic scale: 2-200 liters of seed per batch
- > Manual calibration of dosage system
- > Schneider PLC with 10" touch screen
- > Remote access via LAN
- > Frequency controlled engines on rotor and spreader
- > **R1000 ULD:** equipped with ULD control system and automatic pump adjustments/calibration



> Equipped to meet your needs

## Technical specification

Power requirement	35 kW
Compressed air	100 l/min
Air extraction	500 m <sup>3</sup> /h
Capacity [batch volume]	10 - 200 liters
Capacity*	30 t/h
Weight	1550 kg

\*based on wheat with density 760 kg/m<sup>3</sup>  
20 sec mixing time

# Laboratory Seed Treaters

## R300

- > Suited ideally to define production parameters prior to production
- > Variable speed independence for rotor and spinning disk
- > Pneumatically controlled horizontal outlet-hatch and overpressure under rotor
- > Exchangable stator in stainless steel

### Technical specification

Power requirement	0,7 kW
Compressed air	40 l/min
Capacity [batch volume]	0,3-3,0 l



## R150

- > Suited for use in the laboratory on a wide variety of applications
- > Variable speed independence for rotor and spinning disk
- > Air pressure regulator for overpressure under rotor



### Technical specification

Power requirement	0,37 kW
Compressed air	20 l/min
Capacity [batch volume]	40-450 ml

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