

CENTRICOATER CC20/50 L

The CC20/50 - L is a fully automatized Centricoater using a simplified electric panel (operated by switches, timer -relais, etc. only), for operating within a seed line. This simplified panel enables the local electrician to maintain the Centricoater by himself in case of troubles. The number of dosing lines is limited to one liquid dosing line (direct type), and one (optional) powder feeder. The operator sets all necessary parameters for batch size, speed of pump drive, amount and timing of dosing the slurry, ect. by using switches, timer relais, potentiometers, etc. After starting the Centricoater, the seed is measured by the built-in beltfeeder, which feeds a small hopper between beltfeeder and mixing drum. Dumping the pre-scaled seed into the mixing drum is done automatically. The dosing of one slurry is done according to the setup of the operator. Using above described automatized control system guarantees reproduce-able conditions and quality for each batch.

The whole machine is ready-prepared for operation, only the main power supply must be plugged in, and connection of the pneumatic air supply. A spout for connecting the existing aspirating system is also prepared on the CC20/50 - L, the aspirating system must be provided locally. The slurry dosing line will be connected with the pump by means of flexible hoses.

Standard components (for liquid coating):

- self-supporting all-steel construction, consisting of:
 - beltfeeder with variable speed, using big & fine flow, with possibility to calibrate the batch size, seed level sensor incl.
 - mixing drum using the Centricoater-principle
 - one timer/operated pump with variable flowrate
 - one (optional) timer-operated powder feeder with variable flowrate
- electric switchboard on main frame, completed and ready, consisting of:
 - switches to select the single equipment for operation
 - timer-relais and potentiometer to adjust the data needed for operating the coating process
 - incl. fuses, circuit breakers, motor protection, etc.
 - incl. seed level sensor for the pre-bin
 - possibility for connecting external seed level sensor for the silo below
 - possibility for connecting external slurry level sensor



Mixing drum	
Mixing drum size (referred to wheat)	25/50 kg
Recipes: (values can differ depending on type of seed and quantity of slurry)	
Capacity (referred to wheat)	max. 4,5 t/h max. 8,5 t/h
Dosing of slurries within	5 .. 15 s
Mixing after dosing within	5 .. 10 s
Discharging seed within	5 .. 10 s
Power supply: (standard)	
Main power supply appr. 5,5/10 kW	3/N/PE 400V 50 Hz min. 25/32A
Air volume	
Air requirements	300 m ³ /h @dP 1,5 kPa
Pneumatic	
Requirements	2 Nm ³ /h, 6 bar nom.
Equipment	
Beltfeeder for scale	integrated
Pump D10	35 .. 130 l/h
Pump D15	55 .. 180 l/h
Powder feeder	Ø36/48 mm
Dimensions	
Length	1600 mm
Width (without PD)	1000 mm
Width (with PD)	1700 mm
Height (standard)	2650 mm
Total weight	
Net	1000 kg

Technical data can vary for certain of the above due to continued development or a different machine composition.