



Product Data Sheet

LF-Series: Filmcoater

300-500-630-800

Teal Agro Technologies combines the best of 20 years of development in filmcoating equipment with seedcoating technologies in the LF-series.

Fast and accurate processing is the key.

The LF-series are developed to make a filmcoat-process reliable and easy to operate. This fully automated system is designed for high precision, uniform and seed friendly film coating of seeds. Due to the high degree of automation the process times are short, the process results are not depending on the operator and is very sustainable. This accuracy and uniformity are achieved by gravimetric dosing of seed and liquid by means of recipe control.

Our equipment is always delivered with:

- A complete training of the operator(s)
- 1 Year guarantee (by normal use)
- Remote Access (for maintenance/ upgrades)
- CE-marking of equipment
- Including user manual

If required we can arrange a solution whereby the entire process integration is accomplished.



Features & Benefits

- ✓ Seed friendly
 - Axial discharge system
- ✓ Short processing time
 - Recipe based processing
 - Air-paddles (adjustable)

- ✓ Gravimetric dosing
 - Accurate dosing of coating with hose pump.
 - Adjustable atomiser for optimal coating distribution

- ✓ PLC Controlled
 - Fully automatic process
 - Speed controllable rotor

- ✓ User friendly
 - HMI touch screen
 - Temperature and air humidity measurement
 - Moisture impact alarm

- ✓ Robust design
 - Stator thickness of +10mm
 - hard chrome layer on stator and rotor

- ✓ Clear Process View



Product Specifications

- PLC/ HMI touch screen control system serving the process recipe control (storage capacity up to 99 recipes.) The touch screen is mounted on a separate console.
- Speed-controlled peristaltic pump for the gravimetric dosing of fluid in combination with a weighing unit. This pump and weighing unit are mounted on a separate frame.
- Batch weighing system (not on LF300) for weighing the to be treated seed and the supply towards the coater.
- The valve of the weighing bunker is pneumatically operated and is constructed so that no seed can remain behind in the weighing bunker.
- Dust extraction point on top of the stator.
- This machine is equipped with an "axial discharge system" for the discharge of the treated seed. Here the rotor moves up and down in the stator so in the upper position the seed can be treated in a seed-friendly way.
- The two paddles attached to the top plate are responsible for the "movement" of the seed. The paddles can be manually adjusted, both in rotation and in the position relative to the stator wall.
- Pollution between rotor and stator is counteracted by an airflow created by a blower.

Technical Details

Connection Requirements	LF300	LF500	LF630	LF800
Power Main Motor	1.5kW	2.2kW	5kW	7.5kW
Voltage	400V	400V	400V	400V
Frequency	50Hz	50Hz	50Hz	50Hz
Air pressure(bar) min.	6	6	6	6
Scale pump	15kg	30kg	30kg	30kg
Internet	✓	✓	✓	✓

LF300	Tomato	Onion	Cucumber
Batch capacity	1,5 kg	1,75 kg	1,5 kg
Processing time*	60 sec	50 sec	50 sec
Coating liquid*	40 gr/kg	43 gr/kg	25 gr/kg

*: Based on coating till saturation point

LF500	Tomato	Onion	Cucumber
Batch capacity	5,5 kg	7,5 kg	7 kg
Processing time*	80 sec	70 sec	70 sec
Coating liquid*	40 gr/kg	43 gr/kg	25 gr/kg

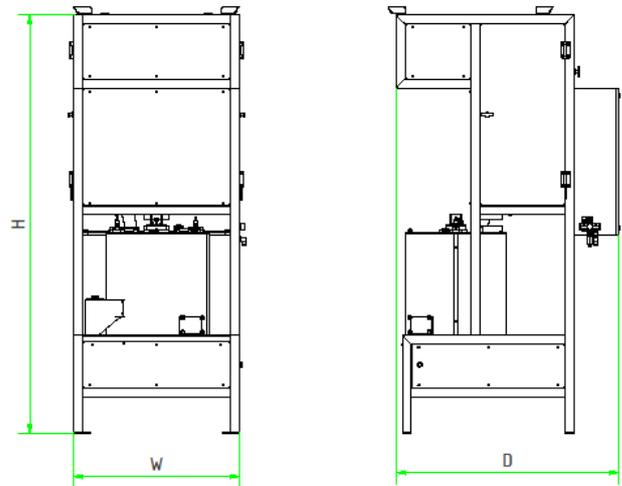
*: Based on coating till saturation point

LF630	Tomato	Onion	Cucumber
Batch capacity	12 kg	15,5 kg	14 kg
Processing time*	80 sec	70 sec	70 sec
Coating liquid*	40 gr/kg	43 gr/kg	25 gr/kg

*: Based on coating till saturation point

LF800	Tomato	Onion	Cucumber
Batch capacity	24 kg	33 kg	28 kg
Processing time*	80 sec	70 sec	70 sec
Coating liquid*	40 gr/kg	43 gr/kg	25 gr/kg

*: Based on coating till saturation point



Machine Specifications	LF300	LF500	LF630	LF800
Max. Height	1761	2665	2865	3095
Depth	868	1406	1550	1450
Width	760	1000	1120	1400
Max. Weight	250kg	980kg	1320kg	1840kg

Accessories	LF300	LF500	LF630	LF800
2 nd Hose pump gravimetric	X	X	X	X
Conveyor		X	X	X
Seed container 560 L		X	X	X
Refill pump		X	X	X