

“Easy batch drying system for average lots of primed and/or pelleted seed”

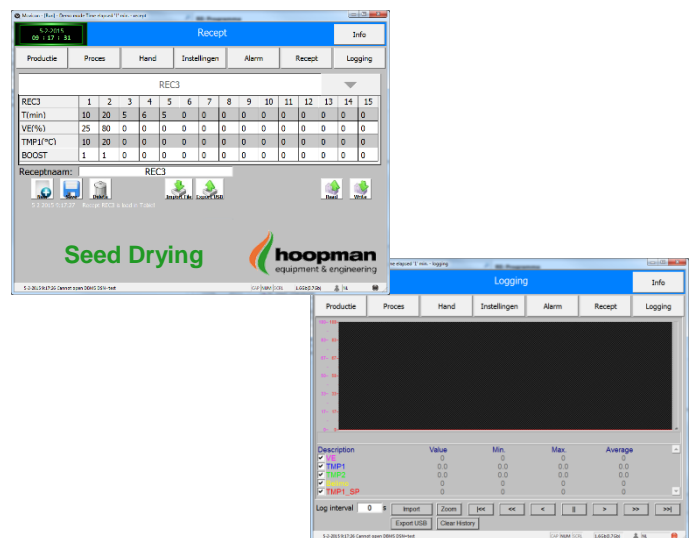
RE-NEWED Version, standard PLC and better design

The FB Cabinet Dryer is one of our cabinet dryers especially made for customers who wants to dry pellets or naked seeds in a simple-straight forward Fluid Bed drying principle. We make this system modular which means that it can be upgraded to a fully conditioned and weather independent system.

The FB Cabinet Dryer uses the same material container as the FB Mini Dryer, but the FB cabinet has an advantage that it can be coupled to a dust extraction system and being equipped with a conditioning system. Each FB cabinet system is standard equipped with a PLC and 10”HMI control system. This system gives you the opportunity to log drying details and store and repeat drying protocols.

To ease the emptying of the material containers we deliver a special system. For more information about this system see our MCED.

NEW DESIGN!! Due to a re-design it is now possible to place the FB-Cabinet Dryer closer to each other so that less space is required.



Standard features :

- Fluidization through negative pressure
- Aluminum holding bucket (100ltr)/ mild steel cart holding approx. 1.000.000 wet pellets or approx. 100 liter seed
- Control Box equipped with:
 - PLC controlled system
 - Frequency controlled main fan (4kw)
 - 10” Vipa TFT screen
 - Local logging of temperatures / process with USB export function (CSV)
- Standard plug and play version
- Air inlet directly through heat exchanger 1000x400mm (20kW)
 - External hot water circuit to be connected
- Standard with 5P 16 round EU connector

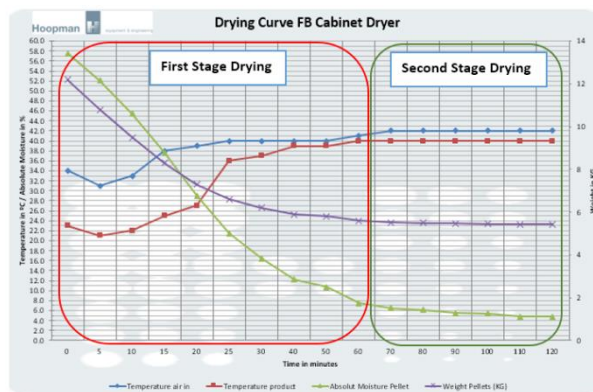
Optional features :

- RH Air Moisture sensors (inlet / outlet air)
 - Including optional RH controlled drying
- SQL Database connection for batch logging
- Extra material containers / carts
- MCED Material Container Emptying Device
- Special adapter for small seed lots
- Electronic heating system
- Conditioner system for weather independent drying (details see below)

Dimensions :

- LxDxH 1000x1300x2000 mm
- Gross weight approx 450 kg.

Optional Conditioning system, more efficient and weather independent drying



Typical example of drying of pelleted seeds; in the first stage of drying, the moisture level is high. The most efficient way of drying at that stage is pre-heated air only. With two switch-valves the system can choose between only heated air or conditioned, dry air. In the first-stage the air will be heated by a hot-water heat exchanger and the air will be blown out at the exhaust connection. In this stage most of the moisture will be dried off. In the second stage the air will be recirculated through the air-conditioning system to dry out the last part of the moisture. Due to the recirculation deep drying is guaranteed even at hot/humid ambient conditions.

The drying protocol can be set in the PLC and you can log the data of each batch for export towards an USB flash drive. This gives you more information about the drying process.

Example of a drying protocol

Step	1	2	3	4	5
Duration	15 min	30 min	30 min	15 min	15 min
Fan speed	85%	75%	65%	60%	50%
Max seed temp	28°C	28°C	25°C	25°C	23°C
Fan boost	On	On	Off	Off	Off
Air conditioning / Recirculation	Off	Off	On	On	On

Technical information

Power	3~400 Vac / 50Hz / 16A	
Connector	EU standard 5P round plug	
Capacity	5-100 l/batch	
Dimensions	2200x1700x2100	(incl conditioner)