



## FBOA Fluid bed Dryer Type Open-Air System *Cabinet dryer for material container cart*

The FBOA is one of our cabinet dryers which is the next type after the FBM dryer, if you want no air going into your working space, but you don't need any weather effect resistant drying process the FBOA is the most suitable manual batch dryer.

The FBOA uses the same material container as the FBM dryer, but due the technical design an air exhaust can be connected to a dust extraction system. Standard the FBOA is equipped with thermostat controlled water heating exchanger and air flow control. After the process you get the cart with the material container out of the machine and you can put your material into the next process step.

To ease the emptying out of the material container we deliver a special system. For more information see our MCED, Material Container Emptying Device.

### **Standard equipped with:**

- Electrical thermostat controlled water heating exchanger
- Aluminum material container of 100litres including cart
- Connection for heat water supply
- Exhaust connection
- All advantages of a simple low cost fluid bed system
- Dry on time or continuously
- CE Standard

### **Options:**

- Extra material containers and carts
- MCED Material Container Emptying Device
- Special adapter for small seed lots
- Electronic heating system
- Modular temperature control for heat exchanger



Specification	FBOA
Dimensions	1000mmx1000mmx2000mm (excluding control panel)
Power supply	3x400+N Vac 50Hz 4 kW 5 pin plug
Weight	Approx. 450kg
Hot water supply needed	+ 20kw + 750 l/h
Air Outlet	200mm



## ***“Fluid bed, a standard in the industry”***

In the industry the fluidized bed dryers are more and more becoming a standard. A basic principle of fluidized bed technology is visualized in the picture below.

The seed is put in a container and an air-stream fluidizes the seed. This relatively strong air-stream can be controlled by baffles or by means of controlling the speed of the fan that is pushing or pulling the air through the perforated bottom plate in the container.



### **Working principle of fluidized bed**

#### ***Advantages:***

- Reduction of moisture can be achieved quickly
- All seeds are dried equal because there is constant movement and mixing of the seed during the process.
- No or minimal mechanical stress or damage to the seed because the mixing is done by air. No moving parts are used for moving or mixing the seed.