

DRYER CONTROL

TYPE UC78

Cimbria control panel, type UC78, is a stand alone system for all Cimbria single column Continuous Flow Dryers.

The Control Panel is equipped with a touch panel, which by means of "touch areas" calls the more specific detailed pictures.

The control system is put together to meet exactly the needs of each single grain, to obtain a long storage time and high germination.

The control system is prepared for Cimbria Dryers and for all kinds of heater/burner-units delivered together with the Cimbria Dryer.

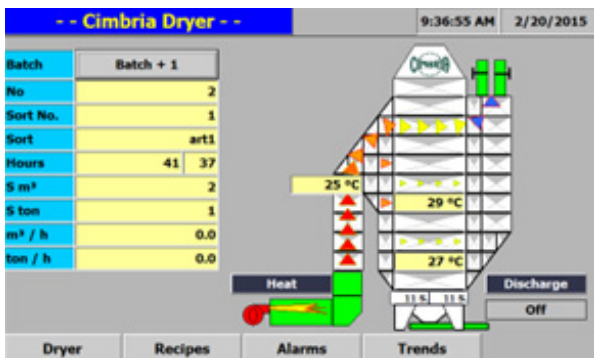
Process-parameters can be adjusted, processmeasurements and status of Fans, Heater, Volumetrically Discharging etc. is shown.

Faults from the related units occur on the Alarm list, and a signal for Siren/Horn/Bell is tripped.

The panels are all delivered with several preinstalled languages.

Under setup it is possible to select which type of heater the dryer is installed with thereby the symbol on the main picture will change accordingly.

The Dryer Control Panel UC78 needs to be connected to a motor starter panel for all motors (discharge – heater - all fans).



The control system uses symbols guiding the operator. The main page consists of several push areas related to features of the control system.

By pushing directly on the symbols on the dryer picture the start and stop is possible.

- Start picture (Cimbria logo)
- Main picture (Process picture)
- Sorts detailed settings for each grain species up to 10 grain species to be stored and recalled
- Volumetric discharge parameters
- Service data
- Alarm list - Ongoing alarms
- Alarm list - Historical alarms
- Trends showing historical temperatures



On the discharge control picture the cubic meters treated and discharged are known from counting the strokes in the discharge system. From the typed in density of the grains the mass flow is calculated and displayed.

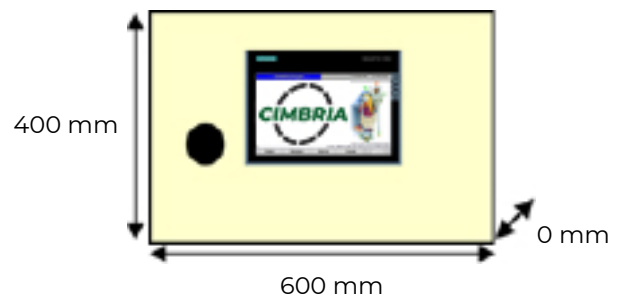
When the fans are operating, hours, numbers of starts and the amount of discharged grain is counted. When limit of maintenance is passed, an alarm in the alarm list will be raised.

Setting will when dryer is fully stopped be stored in recipe-database, for later recalling feature. Each batch has a total counter on time and amount.

Operating Voltage: 230 Vac.
Voltage Tolerance: 85-110%
Frequency Range: 50-60 Hz
Operating Temperature: 0 °C ...+40 °C

The Control Panel has to be placed in as little dust as possible.

Input Voltage: 24 Vdc, 7,0 mA
Output relays: No contacts



IP54 App. 20 kg