

Technical characteristics of the dry evaporator

Capacity: min. 80 - max. 100 kg / process

Duration of 1 process: 8-12 minutes

Steam consumption: 80 - 100 kg / h

Water consumption: 240 l.

Compressed air consumption: 300 l / min (6 - 8 bar)

Screw system with inverters: 2 x 3 kW - 97 rpm independent augers with YILMAZ REDUKTOR

Required steam: min 2 BAR

Direction of the augers: left - left, right - right, left - right, right - left

Steam delivery: direct and indirect

Upper cover size: 440 x 332 mm with hollow jointed DW 40 for input for CIS washing

LOADCELL weight sensors: measures the amount of product in the machine

Pneumatic materials: FESTO

Vacuum pump: 1.5 kW for air suction and product odor

Steam connections: Inlet ½ "with pneumatic valve and outlet ¾" with condenser trap

- the product lid on the machine is automatically adjusted using the side pneumatic pistons,
 - auger - the reducer joint is sealed with a front seal,
 - the machine automatically stops during the opening cycle when opening the top cover
- thanks to the lid protection sensor,
- checking the front cover position of the touchscreen display thanks to the the drive piston,
- 1 micron steam filter,
 - using the PLC control with the machine can be operated either automatically or manually,
 - With the PLC controller, the temperature of the product can be adjusted, auger screws, opening and closing the front cover, opening and closing of the the pneumatic valve for steam,

- The PLC control allows for separate use of the CIS, charging and CIS options unloading the machine,
- the possibility of periodic steam feeding for the same heating of the whole product in the machine,
- displaying all warnings and alarms on the display,
- the ability to create different recipes using the PLC control that allows automatic selection of all operations and automatic operation,
- the auxiliary site is made of sheet metal with holes, which facilitates the operation of the staff,
- steam protection valve with $\frac{3}{4}$ "connection. The setting is 2.2 BAR.
- AISI 304 stainless steel panel with stainless steel IP65,
- the entire machine is made of AISI 304 stainless steel with a certificate,
- the hopper, augers and product discharge cover are covered with sandblasting,
- an emergency stop to stop the machine in exceptional cases.

Technical characteristics of the grading machine

Power supply: 380 V / 50 Hz

Power consumption: 3 kW

Steam consumption: 50 kg / h

Air consumption: 400 l / min (6 - 8 bar)

Pneumatic materials: FESTO

all parts in contact with the product are made of AISI 316 stainless steel.

All other parts are made of AISI 304 stainless steel,

- Buffer vessel with a capacity of 140 kg,
- automatic temperature control,
- grading from 200 to 9000 grams with an accuracy of ± 2 grams,
- only the product entrance is covered with sandblasting. The remaining parts that are in contact with the product are

covered with teflon coating. This prevents the product from sticking to walls and ensure fast transfer.

- Using the augers, the product is easily pushed to the grading cylinders,
- 3 kW - 241 rpm (72 rpm on the gearbox output) Auger power and Inverter for speed regulation,
- steam inlet ½ "with pneumatic valve, outlet ½" open,
- PT 100 temperature sensor in dual jacket,
- size of the grading cylinders: Ø 80 x 200 mm,
- automatic temperature control,
- automatic adjustment of the weight with a servo motor of 1.5 kW,
- PLC control and touchscreen display,
- Protective sensor on the module cover. When the lid opens the machine automatically stops,
- upper and lower deadpoint sensors to prevent impacts while driving grabbing mechanism.

Machine brand: KROMEL

Machine Model: KRHY 100