

User Manual

Honey-wax separating wax press with a metal screw (MV-CS-50, MV-CS-200)



Specifications

Type: MV-CS-200

Length: 1.25m, width: 60cm, weight: 95kg, total capacity: 1.1kW

Capacity: 200kg pressed wax/hour

Intended use: Separation of honey and wax from the honey wax layer cut off by the uncapper, which does not involve any extra heat, and only the possibility offered by the pressing technology is used.

Type: MV-CS-50

Honey-wax separating wax press-separator with a metal screw, 50kg/hour

Length: 85cm, width: 60cm, weight: 45kg, total capacity: 750kW

Capacity: 50kg pressed wax/hour

Intended use: Separation of honey and wax from the honey wax layer cut off by the uncapper, which does not involve any extra heat, and only the possibility offered by the pressing technology is used.

Commissioning

After removal of the delivery packaging, please check if any fastening, wedging is left in the machine, and remove them. Erect the machine on a smooth and flat surface. Make sure that neither the mechanics, nor the electronics of the machine got damaged. Clean it before use. Connect the plug into the electric socket. Connect the machine only to a grounded electric network.

Use the machine only for the pressing of wax extracted during fresh uncapping. Do not use it for already crystallised honey and cut frames, otherwise it may cause damages to the machine!

Place the filtering tray (2 trays for type MV-CS-200) onto the honey collecting tub under the end of the screw. (see the image)



Operation



Turn on the main switch on the plug to energise the machine. It is important to check the red emergency button for its condition. It must not be pressed. Otherwise pull out or turn the emergency button to inactivate the emergency status.

Start the screw rotation into the desirable direction with the reversing switch. Adjust the desirable rotations with the speed regulator. The rotations can be set between 0 and 9 RPM.

As a result of the surface treatment of the acid-proof materials, so-called cleaning process takes place at the first use, which may cause the discolouration of the wax. We recommend you to press the first 10-20kg wax at a low speed, ca. 20% of the maximum RPM.

Fill the fresh uncapped wax into the machine through the filling opening. The wax and the honey are separated during pressing. The "wax roll" appears at the end of the screw, and the honey extracted during the process flows into the drop tray.

The pressed honey collected in the filtering screen placed under the end of the screw, on the top of the honey collecting tray, and mixed with the wax must be refilled into the press.

Place the collected wax into the collection tanks, and discharge the collected honey through the tap at the end of the honey collecting tray.



Make sure that no material other than the uncapped wax is filled into the filling opening. The percentage of the honey extracted from the wax, i.e. the efficiency of honey extraction reduces with the increase of the applied rotations. Optimal rotations: 30-70% of the maximum rotations.

Cleaning, Maintenance

Use warm water and a cloth for the cleaning. The perforated cone surrounding the screw spindle is fastened by 4 screws to the machine frame. Unscrew them to remove the perforated cone so that this part and the screw spindle can be cleaned.



Troubleshooting

1. *Discolouration, blackening of the honey and wax.*
This may be a natural phenomenon during the first use. In other cases it may be caused by the too fast speed. It is recommended to start the pressing always at a low speed, and to gradually increase the speed.
2. *Burst and occlusion of the screen.*
If any foreign matter (frame batten piece, wire) enters the machine, that may cause this problem.
3. *Honey leakage at the connection of the machine frame and the perforated cone.*
The pressed back wax might have damaged the O-ring between the drive and the screw spindle during its reverse rotation. It must be replaced.

If you are not able to perform the troubleshooting process of the machine by yourself, contact us. We are glad to hear about your experiences regarding the operation of the machines. Your opinion is important to us, and we try to take it into consideration during our product development. Enjoy your work!