

USER'S GUIDE

Uncapping tank Extractor Tetra Plus

Ref. D1000



Non-contractual picture

THOMAS APICULTURE

**French designer and manufacturer
Of beekeeping equipment**

ZA de l'Évangile
321, rue Bernard de la Rochefoucauld
45450 Fay-aux-Loges – France
Tél: +33 (0)2 38 46 88 00
Fax : +33 (0)2 38 59 28 28
E-mail : contact@thomas-apiculture.com

Recommended for beekeepers with 25 to 150 hives, the Tetra "Plus" combines four functions in one device.

The Tetra "Plus" has an uncapping station (1), a storage station for uncapped frames (2), an extractor (3) and a honey centralization station. The Tetra "Plus" is very ergonomic and can be operated by one person.



Technical Definition

Stainless-steel

Length : 1560 mm

Height : 940 mm

Width : 730 mm

weight : 88 kg

Geared motor
single phase 220 V – 110 W

SAFETY PRECAUTIONS

CAUTION : Before connecting the appliance to a power supply, make sure that your electric installations comply with current standards (differential circuit breaker protection, earth wire, etc.).

Check the supply voltage.

Before using the unit for the first time, clean it to remove any residual metal shavings or filings.

Keep out of children's reach - Unplug after each use.

Make sure that the machine is secured to the ground (the machine is delivered with drilled stands for this purpose).

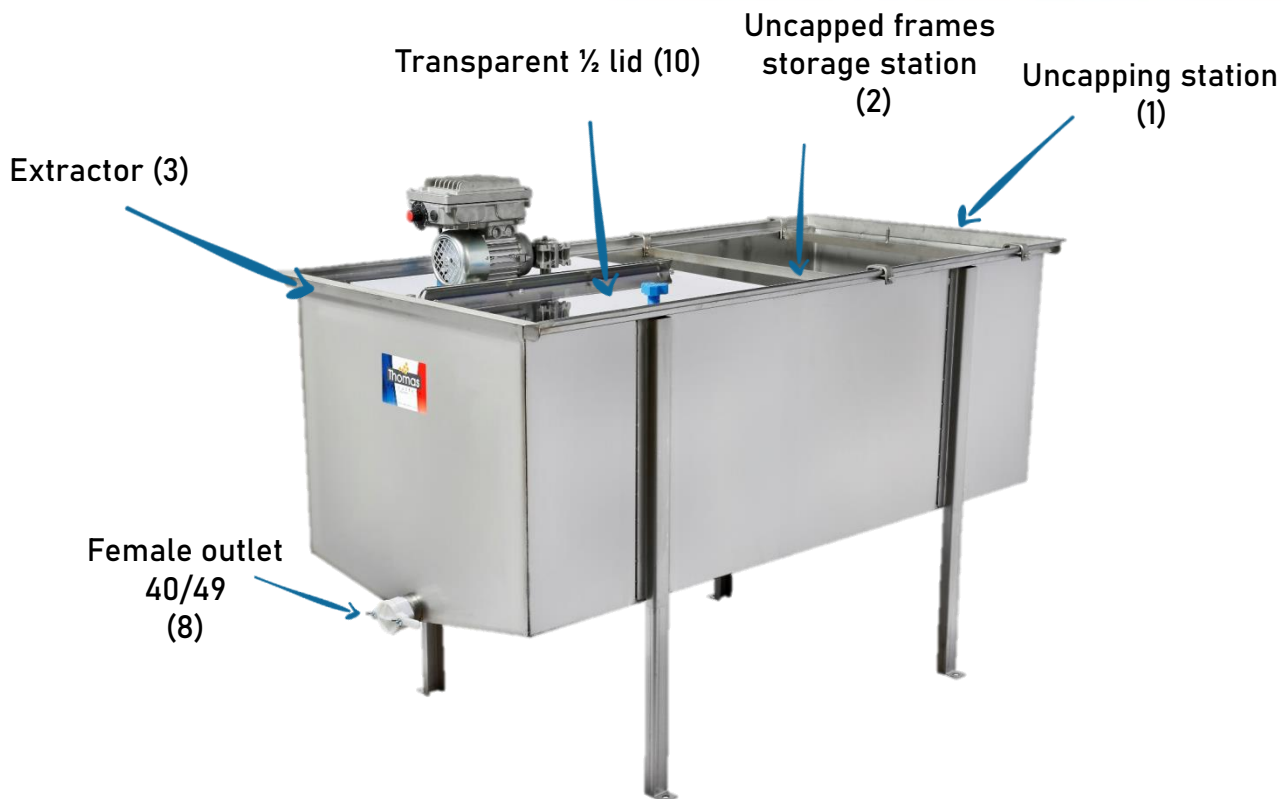
Make sure that the extractor cage is as well balanced as possible when loading the frames: always maintain symmetry according to the central axis.

Do not open the lid (10) when the appliance is running.



Non-contractual documentation.

The characteristics stated are given without engagement on our part and can be modified without notice.



OPERATING PRINCIPLES

Multifunctional, the uncapping tray - Extractor Tetra "Plus" allows to extract all types of honey and all types of frames (1/2 right Dadant or Hoffmann, Dadant body, Langstroth or 1/2 Langstroth, Voirnot).

The machine combines various functions:

- Uncapping station (1): collects the lids in a basket (5) allowing drainage. Uncapping can be done manually or via an uncapping machine to be fitted to the assembly. The station is equipped with two 220 V sockets (6) allowing in particular the connection of the radial extractor and the uncapping knife (not supplied).
- Storage station for uncapped frames (2): stores frames waiting to be extracted. It has a capacity of more than 20 frames. The frame support bar is adjustable to accommodate frames of all sizes.



Non-contractual documentation.

The characteristics stated are given without engagement on our part and can be modified without notice.

- Electric radial extractor (3): allows the honey to be extracted as much as possible from the frames thanks to its system allowing both speed and direction of travel to be varied (7). This extractor can hold 20 ½ Dadant or Voirnot rise frames, or 12 Langstroth frames. The extractor can receive 4 tangential grids (stainless steel: ref. 3350 or chrome: ref. 11102) for the extraction of viscous honeys (capacity of 8 ½ Dadant frames, 4 Langstroth frames or 4 Dadant body frames). The radial cage of the extractor is made up of 2 ½ crowns adjustable in height, in order to be able to extract all types of frames.
- Honey centralization station: the device has an inclined flat bottom equipped with a baffle allowing the honey to be decanted. The honey flows from the device through a 40/49 (8) female outlet fitted with a tap.

Option:

- Lid treatment and centrifugation kit comprising 4 tangential chrome grids and 4 nylon liner drying baskets (ref. D1001).



Non-contractual documentation.

The characteristics stated are given without engagement on our part and can be modified without notice.

USAGE GUIDE

Connect the cord (located under the two sockets (6) of the uncapping station) to the mains.

Connect the extractor to one of the two sockets.

In case of uncapping by electric knife or adding an uncapping machine, plug the latter into the remaining socket.

Position a container under the honey outlet (8) and open the tap.

- **Uncapping**

Uncapping the frames using a manual or electric knife, standing above the perforated stainless steel basket (5) (or use a suitable uncapping machine).

For greater working comfort, a transverse bar (9) with a point in the middle allows the frame to be placed when it is uncapped.

Once uncapped, place the frames in the storage station (2).



- Extraction

Connect to the mains.

Open the ½ transparent cover.

Place the previously uncapped frames in the cage, taking care to balance the load.
Close the cover. The security "click" should be audible when closing (and opening).
Activate the ON / OFF switch in the desired direction of rotation (the push button is under the circular arrow).

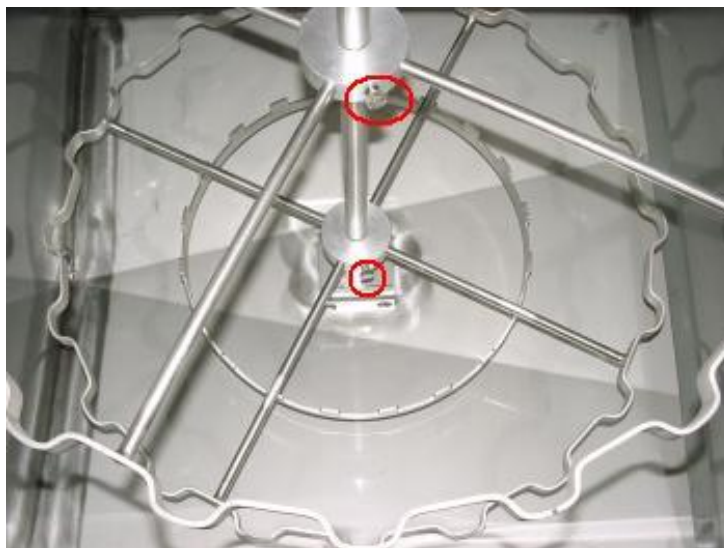
The extractor will gradually accelerate to reach the setpoint speed selected on the variator (7). Increase this speed to reach the maximum at the end of the cycle.

Once the extraction is complete, press the ON / OFF switch then wait for the cage to come to a complete stop.

Open the ½ transparent cover then collect the extracted frames.

NOTE: Opening the ½ cover during the cycle stops the engine.

CAUTION: Extraction should be done with the tap open to prevent honey from accumulating in the extractor. Honey collects in a container placed under the tap.



Radial cage of the extractor (4) and screw fixing the cage to the shaft (12)

MAINTENANCE

CAUTION: Disconnect the machine from the mains before any maintenance operation and after use.

Take care to protect the electrical parts of the appliance during cleaning.

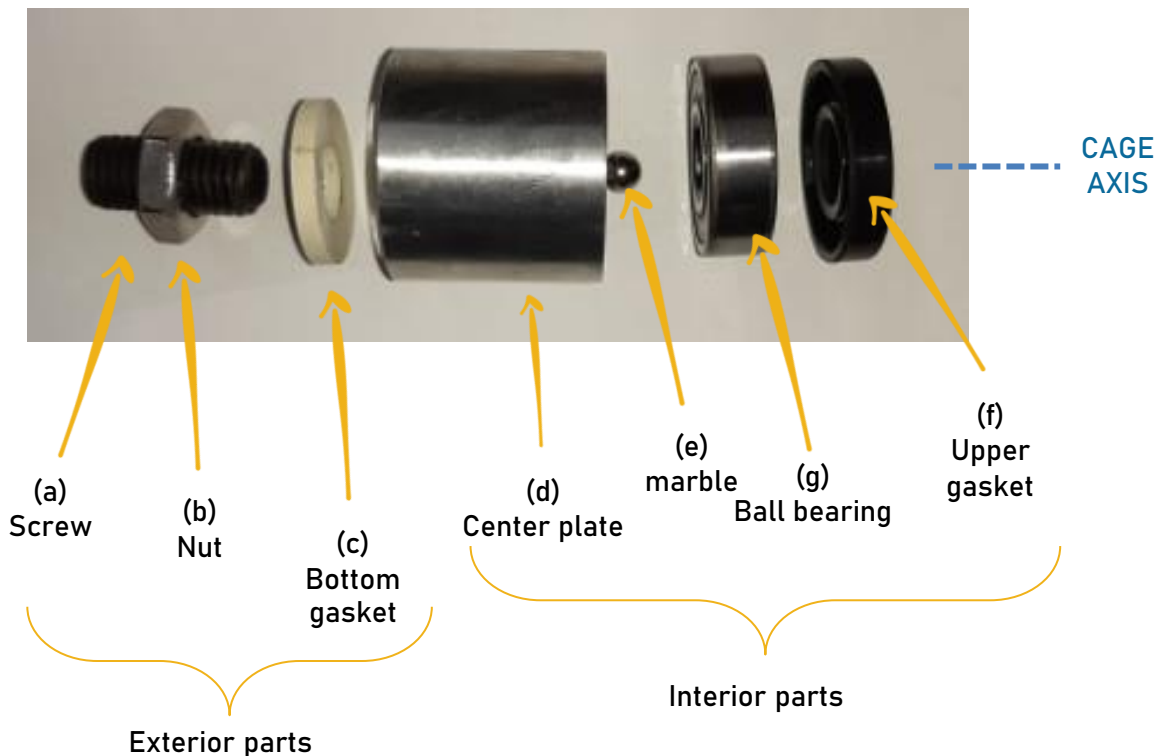
Clean with hot water, dry well by running it on a vacuum.

The Tetra "Plus" is a piece of equipment for seasonal use but must operate regularly throughout the year (at least a few minutes per month).

Store preferably in a dry room, with the tap open.

It is necessary to regularly tighten the fixing nuts of the two radiator crowns constituting the extractor cage (12) in order to ensure that the lower crown is not in contact with the bottom of the cage.

The slider, located at the base of the axis of rotation, can wear out over time, so it may be useful to change it.



Assembly of the slider:

To change the slider, loosen the three nuts of the motor half cover. Lift the motor-cover-axle assembly. Unscrew the nut (b) under the extractor.

Change the defective parts and reassemble the assembly. Take care not to forget the ball (e) and to grease it with petroleum jelly or edible grease.

Be careful to tighten the screw in the right direction with an Allen key.



Non-contractual documentation.

The characteristics stated are given without engagement on our part and can be modified without notice.

- Version du 18/06/2020 -

Frequent questions

WARNING: Unplug the machine before any work is carried out.

Problems	Possible solutions
The machine doesn't start	<ul style="list-style-type: none"> - Check that the device is properly connected to the mains. <ul style="list-style-type: none"> - Check the state of the sector (power failure). - Check that the speed controller (7) is not set to 0. - Check that the transparent ½ cover of the device (2) is properly closed and activates the safety contact (8) correctly ("click" on opening and closing). <ul style="list-style-type: none"> -If not, twist the coverslip slightly outward. -The ON / OFF switch is located under the circular arrow: you should feel it go down slightly
The motor doesn't activate the cage	<ul style="list-style-type: none"> - Check the adjustment of the slider: the shaft of the cage must be engaged by the axis of the motor or the crank. -If this is not the case: tighten the nut located under the extractor
The extractor struggles to turn	<ul style="list-style-type: none"> - Check the presence of the ball (axle / slider connection) - Replace the slider if it is worn (see p. 8)



**If the problems persist,
contact our after-sales service:**

**Our technical assistance:
08 99 25 66 20 (cost: € 0.05 / min)**

**In season 12 hours a day and 6 days a week
(Monday to Saturday 8:00 a.m. - 8:00 p.m.)**

**Off season 8 hours a day and 5 days a week
(Monday to Friday 8:00 a.m. to 12:00 p.m.
and from 1:30 p.m. to 6:00 p.m.)**

assistance-technique@thomas-apiculture.com



Our after-sales service:

02 38 46 88 00

8:00 a.m. to 12:00 p.m.

And from 2:00 p.m. to 5:30 p.m.

From Monday to Friday

contact@thomas-apiculture.com