



UNIVERSAL EXTRACTOR - APITOTAL 2000



Foldable for transport, storage and access through normal doors

Dimensions: 1250X1250X800mm

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Is universal for the following reasons:

- it can extract from any type and any dimension of frame,
- it uses for extraction simultaneously and with maximum efficiency the following forces: tangential, radial, gravitational, inertial and airflow,
- this system prevents breaking of the frames and the time of extraction is reduced with approx. 3 minutes.

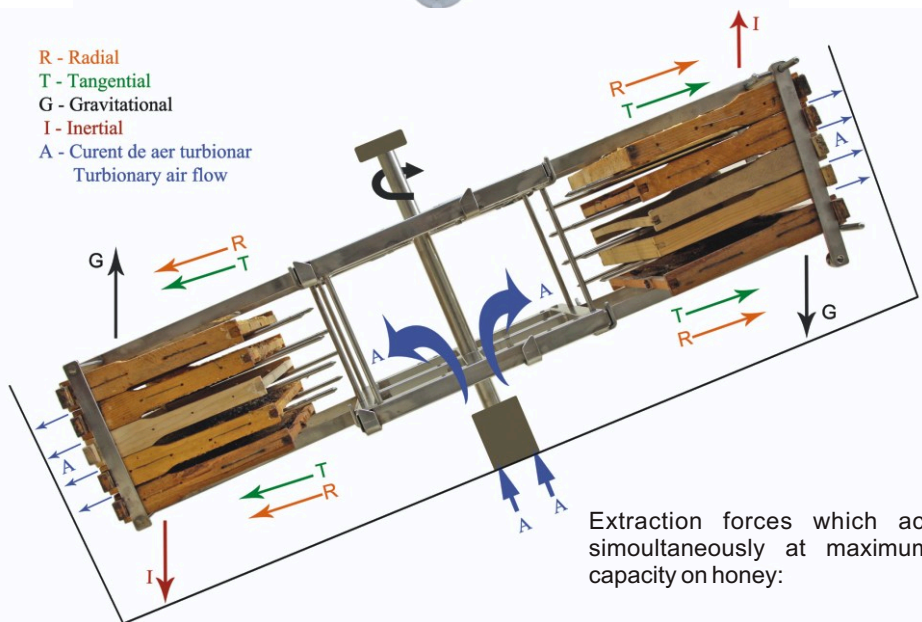
Capacity:

- 24 Dadant or Langstroth frames, or any other type
- 48 1/2 Dadant frames

Advantages:

- sliding door for loading and unloading frames
- tank for honey clearing with filter, with the capacity of 300 kg
- for transport and storage, the extractor is foldable and the dimensions in this case become: 800x1250mm

- R - Radial
- T - Tangential
- G - Gravitational
- I - Inertial
- A - Curent de aer turbionar
Turbionary air flow





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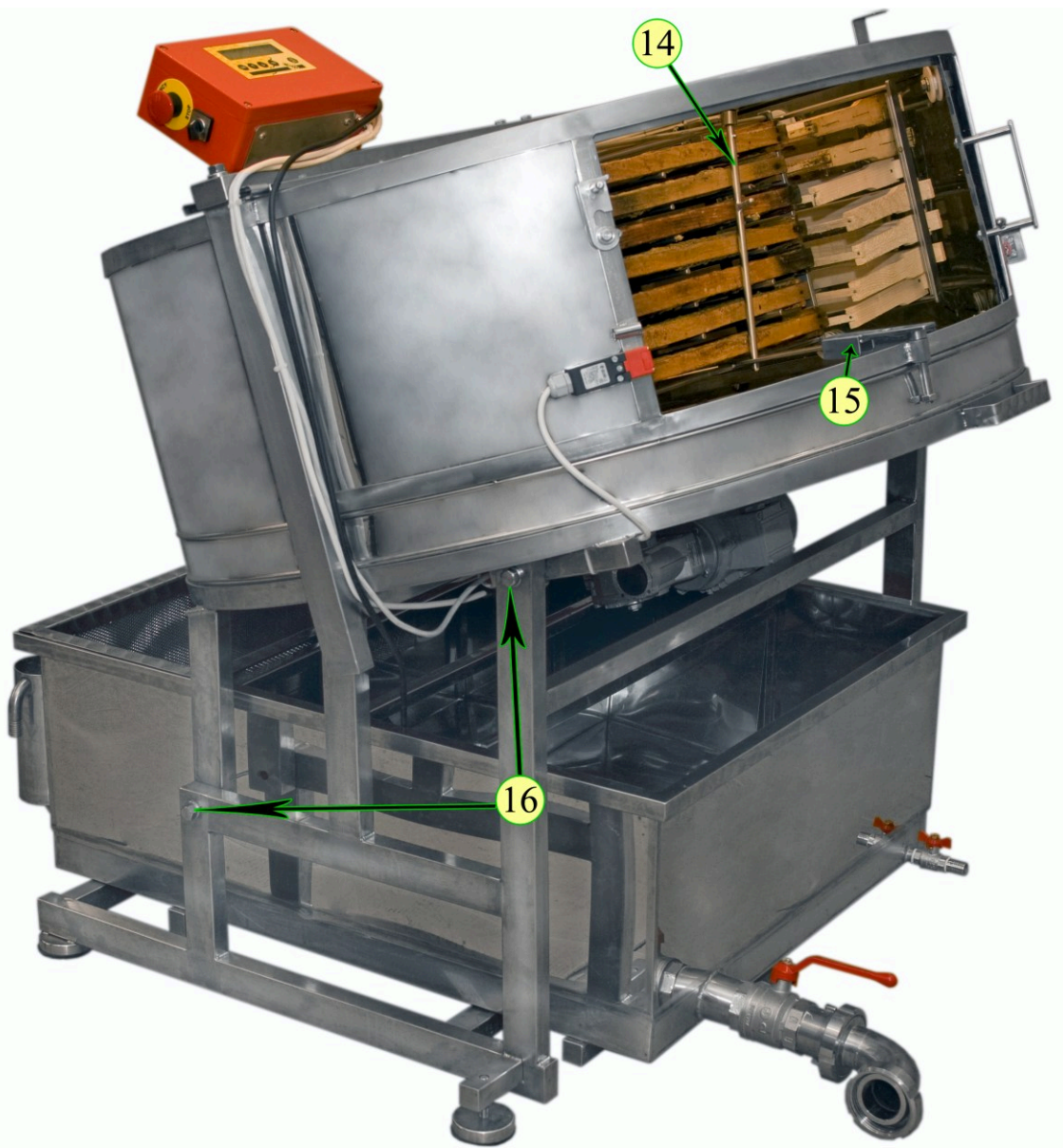


- (1) Automatic control panel
- (2) Electronic lock
- (3) Mechanical lock
- (4) Tank for honey clearing with filter
- (5) Tap for honey
- (6) Expansion vessel
- (7) Adjustable leg
- (8) Electrical resistance with 0-85°C thermostat
- (9) Upper honey tap
- (10) Tap for water filling/emptying
- (11) Sliding door for frame loading/unloading
- (12) Gearmotor
- (13) Handle for extractor folding
- (14) Frame locking rods
- (15) Rotor block for loading/unloading frames
- (16) Bolts for blocking the extractor in working position





Automatic Control Panel



The unit is programmable, allowing a number of 8 adjustable programs, with up to 8 cycles per each program.

In the left side it has the main power switch, as well as the emergency stop, which immediately stops the rotor, overriding the extraction program.

(START) button executes an existing program, the up and down arrows can select one of the 8 programs and the (STOP) button closes the program. The (MAN/AUTO) button on the right can switch between manual and automatic modes.





Automatic Control Panel - Programming

The programmable settings for each cycle are rotational speed and extraction time.

For this equipment, APITOTAL recommends a number of 3 cycles per program.

To modify one of the 8 programs, do the following:

1) Select the program you wish to modify by pressing the up/down arrows; (For this example Program 1 is selected);

2) Press the (STOP) button for approximately 5 seconds; The display shows the Program (Pr1), the Cycle of the program (Cy1), the symbol "s" - speed, the (=) sign and the rotational speed for this cycle.

The value is a percentage of the maximum speed of 300 rpm.

3) If you wish to modify the rotation speed for this cycle, press the (START) button. The (=) sign becomes (>) and the value for the

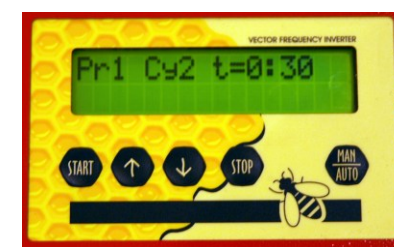
speed can be adjusted using the up/down arrows. When the desired speed is chosen, press the (START) button again. The sign (=) indicates that the speed is set.

4) The extraction time for the first cycle can be selected using the up/down arrows until the display shows the Program (Pr1), the Cycle of the program (Cy1), the symbol "t" - time, the (=) sign and the extraction time for this cycle. The time value is expressed in minutes:seconds

If you wish to modify the extraction time for this cycle, press the (START) button. The (=) sign becomes (>) and the time can be adjusted using the up/down arrows. When the desired time is chosen, press the (START) button again. The sign (=) indicates that the time is set.

The second cycle can be selected using the up/down arrows until the display shows the Program (Pr1), the Cycle of the program (Cy2).

5) The same operations can be performed for the second and third cycles



6) As APITOTAL recommends a number of 3 cycles for a program, for the unused cycles (5 to 8), the extraction time (t) is set to zero and the program ignores the respective cycles.

7) After adjusting the settings, the exit from the programming menu is done by pressing the (STOP) button.

8) Select the modified program (Prog 1). By pressing the (START) button, the extractor will follow the customized program.

For extraction, APITOTAL recommends a number of 3 standard programs, each with 3 cycles, as following:

PROGRAM 1:

For honeycombs with fluid honey, at a temperature over 20 degrees Celsius or if the honeycombs are new and at first extraction:

CYCLE 1 - speed (s): 35%, time (t): 40 to 50 seconds

CYCLE 2 - speed (s): 50%, time (t): 60 seconds

CYCLE 3 - speed (s): 70%, time (t): 60 seconds



PROGRAM 2:

For honeycombs with normal viscosity honey, at a temperature over 20 degrees Celsius:

CYCLE 1 - speed (s): 40%, time (t): 60 seconds

CYCLE 2 - speed (s): 55%, time (t): 60 seconds

CYCLE 3 - speed (s): 75%, time (t): 60 seconds

PROGRAM 3:

For honeycombs with high viscosity honey or with temperature under 20 degrees Celsius:

CYCLE 1 - speed (s): 40%, time (t): 70 seconds

CYCLE 2 - speed (s): 55%, time (t): 70 seconds

CYCLE 3 - speed (s): 75%, time (t): 90 seconds

These customized programs can be used during one season according to the characteristics and behavior of the honey during extraction, without repeated intervention on the programs.

TANK FOR HONEY CLEARING WITH FILTER

Capacity: 300 kg

- Perfectly uniform honey heating with electrical resistance 3000W, 220V and 0-85°C thermostat

Dimensions: 1000x800x400mm

Equipped also with the following devices:

- tank for honey and wax separation
- honey filter

(1) Drilled sieve with 3 mm holes

(2),(3), (4) - separation panels for honey clearing

