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DADANT M00446 20-FRAME EXTRACTOR

*The Dadant newly re-designed 20-frame extractor now has
an integral leg system and newly designed reel*



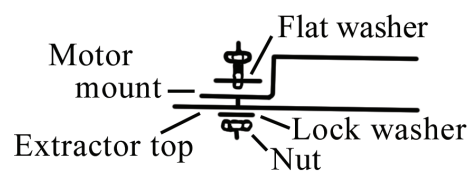
- The Dadant 20-frame radial extractor is the ideal choice for a growing extracting operation; whether you have only a few colonies or several hundred.
- 20 gauge (.0375" thickness) stainless steel tank sidewall
- Legs are welded to the tank – easy cleaning under extractor with space for 60-pound honey container under outlet. Bolt holes provided in leg foot pads to attach to floor
- 2" welded honey outlet fitting – fitting has female pipe threads so that a variety of gates or outlet configurations are possible, with a 2" x 1-1/2" reducer bushing supplied with extractor
- Newly-designed, laser-cut radial designed reel to extract from both sides of the frame at the same time, thus freeing operator and saving time – has the capacity to handle 20 deep, medium, or shallow frames positively placed in frame pockets
- Direct drive motor with speed control
- Comes completely assembled except for mounting the power unit
- Dimensions: 30" dia.; 43-1/2" work height

MOTOR ASSEMBLY

- a. Open the lid of the extractor and remove all packing holding the reel.
- b. The extractor should be removed from the shipping pallet.

- c. Completely wash and dry the extractor before use.
- d. Remove the power unit and fastener package from the separate carton.
- e. Remove the tape from the extractor drive shaft coupling, keeping the rubber bushing in position.
- f. Place the motor assembly on the channel aligning the bolt holes and the drive shaft coupling.
- g. Remove fasteners from package and assemble as shown in the diagram for all four bolt locations.

Check alignment of coupling and tighten mounting bolts.



NOTE: Securely anchor extractor using holes provided in leg feet.

- h. Plug the extractor into a 120 volt grounded outlet.

OPERATION

Radial extractors are the quickest, easiest, and most efficient way to extract honey from the comb.

Uncapped combs are placed top bar to the outside of the circular reel like spokes of a wheel. The reel spins, creating a centrifugal force and because of the natural upward slant of the honeycomb cells, honey is thrown from both sides of the comb at once. No further handling of the frames is needed from starting to unloading time, freeing the operator for other work such as uncapping combs for the next load. With radial extractors, the outward pressure is against the top bar, not against the comb surface as in small non-radial models, eliminating much of the breakage of the combs. When extracting new frames, comb breakage can be avoided by extracting at lower speeds for longer periods of time.

Load the extractor and turn the speed control switch on. The speed control allows the beekeeper to adjust extracting speed. When extracting, the reel should spin slowly at first and then be gradually increased in speed until all the honey has been extracted. The beekeeper controls this by turning the speed control knob. The maximum speed of this extractor may be too fast for your extracting operation, therefore, you should determine optimal top extracting speeds and not exceed this setting on your speed control.

Caution: High speeds can cause frame breakage and excessive extractor vibration.

If you have added a gate valve, **remember to keep the gate open** with honey flowing out of the extractor while you are extracting so that you do not cause undo stress on the frames or the motor as the honey would build up in the extractor. You can shut the gate while you are changing pails or when the motor is turned off.

MAINTENANCE

After use, thoroughly clean the extractor with hot water, rinse completely, and dry for storage until next use.

The bottom bearing is permanently sealed and requires no lubrication. The top flange bearing has a grease fitting for periodic maintenance. Food-approved grease is recommended and is available through your nearest Dadant branch or dealer.

Use caution to avoid excessive moisture on the control and motor when cleaning the extractor after use.

REPLACEMENT PARTS			
		03-50083	3/4" Sealed Bearing (bottom)
04-41129	Bearing housing	03-50674	Speed Control
04-44019	Lid assembly, each half	03-50325	5/8" Flex Shaft coupling half
04-44601	20-Frame Extractor Reel	03-50326	3/4" Flex Shaft coupling half
04-44602	Replacement Tank w/legs	03-50327	Rubber cross only
04-44038	Reel Shaft 23"	04-39030	L-Bracket / Set of 2
04-44040	Channel	03-50673	Motor
03-50079	3/4" Flanged Bearing (top)	M00446-02	Motor and Speed Control Assembly