



Radial Extractor

The 1400-P 10/20 radial extractor must be bolted to the floor or a sturdy platform before operating. Even if purchased with legs, the unit must be bolted down securely.

After uncapping the frames, load them in the machine with the top bar resting in the notches punches from the angle of the inner rings which make up the reel. When loaded, the reel will look like a bicycle wheel, with the frames representing the spokes.

Do not switch on the motor until you are sure the pressure is off the clutch. Do this by loosening the yellow knob on top of the machine, turning counter-clockwise. It is now time to turn on the motor. Note that the motor runs but not the reel. In order to start the extracting process, you must now SLOWLY turn the yellow knob clockwise to apply pressure to the clutch. Do not crank the knob all the way down as this will cause damage to the comb. A slow start is needed to remove the bulk of the honey from the combs. This can take several minutes depending on temperature. If you are just starting use of a radial extractor, you need to monitor the progress of extraction by shutting off the motor and allowing the clutch to act as a brake to stop the reel. You will have to start the extractor back up as though you were starting a new load. Once the bulk of the honey has been removed, you can increase the speed by tightening the knob of the clutch. How long to run at high speed? This will depend on your plans for the combs. Are they going back out to the hives? If so, leave them a little wet. Off for the season? Dry them out by spinning as long as you can.

The nylon honey gate should remain open at all times unless you need to change buckets. This will prevent honey from spilling over into the lower bearing housing.

To clean, spray the inside of the tank with a garden hose, using great care NOT to get the motor wet. There is no need to take the machine apart for cleaning. If, however, you do remove the reel for any reason, be careful not to lose the ball bearing that the reel rides on. We do not recommend the use of cleaners inside the extractor if at all possible. When you're done, wash the unit with warm water.

The only annual maintenance is the oiling of the leather washer in the clutch. Just rub some oil on the surface of the leather washer before storage.



The upper and lower bearings are supplied with grease fittings. The upper bearing should have ONE SHOT of grease every 800 hours of use. The lower bearing can be given one shot of grease only if you hear rubbing from the area. This bearing is open and too much grease will spill out into the tank and could contaminate your honey.

Clutch Assembly

