



BIG DIPPER®

**Big Dipper® Automatic Solids Transfer
(AST) System Maintenance**

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***CAUTION! DISCONNECT POWER TO UNIT BEFORE CLEANING OR SERVICING
to prevent damage to the unit and personal injury**

***NOTE: Before energizing unit after cleaning, fill tank with water
to protect wipers and heater from damage**

Daily Maintenance:

(A) Empty the clear plastic grease/oils collection container (located beside the unit) prior to its becoming full once each day. The Big Dipper recovers grease and oil virtually water-free so that they can be recycled. The collector container should be washed periodically so as to maintain the easy viewing translucent characteristic of the collector.

Weekly Maintenance:

(A) Check the collection trough and the wiper blades for any solids build-up. Wipe off any accumulated deposits and assure the wiper blades are clipped in place properly.

(B) Check the Timer to be sure it is set and operating correctly.

(C) Remove & spray down the strainer assembly to remove any accumulated solids. Be sure to spray down both the inside and outside surfaces of the strainer assembly.

(D) Check the thickness of the grease layer at the top of the unit. If there is more than a 1/2" (12 mm) thick layer of grease after the skimming cycle, this indicates a need to increase the skimming time. Increase the timer settings accordingly until a clean unit appearance is obtained after the automatic skimming cycle (A simple guide is to increase the "on" time by 30 minutes for each 1" (25 mm) of grease layer observed after the skimming cycle).

Quarterly Maintenance:

The internal strainer assembly in the unit is designed to remove incidental solids from the wastewater. Over a period of time, sediment consisting of very fine particles may begin to accumulate on the bottom of the unit. If this build-up is allowed to continue, it may eventually block the outlet baffle. To prevent this from occurring, remove the lid and stir the bottom of the unit with a long handled spatula while water is flowing to flush out the sediment. Occasionally drain and clean the unit thoroughly. Properly used, a wet vac may be appropriate for this purpose.