**Features:**

- Fully automatic self cleaning cycle. Removes collected grease, oils and solids from unit without any operator assistance. Comes complete with Digital Control and Grease Collector.

- Constructed of corrosion resistant materials suitable for installation in virtually any location. Attractive sanitary Stainless Steel exterior.

- Integrated Motor/Grease Outlet/Heater/Lid enables a fast, do-it-yourself unit operation reversal.

- Easy lift grease collector simplifies grease collection container emptying.

- Compact footprint.

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**Technical Data**

<table>
<thead>
<tr>
<th>Material</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exterior</td>
<td>304 Stainless Steel, Bright Finish</td>
</tr>
<tr>
<td>Interior</td>
<td>Rotationally Molded Polyethylene</td>
</tr>
<tr>
<td>Electrical</td>
<td>115 VAC, 50/60 Hz, 535 Watts (4.6 Amps)*</td>
</tr>
<tr>
<td>Maximum Inlet Flow Rate</td>
<td>25 GPM (1.6 l/s)</td>
</tr>
<tr>
<td>Number of Skimming Wheels</td>
<td>1</td>
</tr>
<tr>
<td>Skimming Rate</td>
<td>20 Pounds (9.08 Kg) Per Hour</td>
</tr>
<tr>
<td>Grease Retention Capacity</td>
<td>50+ Pounds (22.7+ Kg)</td>
</tr>
<tr>
<td>Eductor Pump Operation Water Requirements</td>
<td>50 PSI min., 5 GPM (3.45 Bar min., 0.32 l/s)</td>
</tr>
</tbody>
</table>

*For Additional Electrical Configurations, see Electrical Variations section on page 2.

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**INSTALLATION INFORMATION**

**Suggested Minimum Footprint Dimensions**

![Footprint Diagram]

**Requirements**

- Allow a minimum of 14” (356 mm) clearance from top of tank for removal of unit lid.

- READ instruction manual included with system before doing anything.

- Install unit allowing for the minimum clearances shown.

- Provide a min. 50 PSI, 5 GPM (3.45 Bar min., 0.32 l/s) Water Supply for solids pump operation.

- Make sure the height above the Internal Strainer Access Cover is enough to remove the strainer.

- Make piping connections with rubber “No Hub” connectors.

- Keep outlet piping as straight as possible. Use only “sweep” connections.

- Install vent on outlet piping.

- Fill the tank with water before energizing the power to the motor and heater.

- Set Programmable Digital Control for proper operating times.

- Do Not Install “P” trap on outlet connection of tank. (Note: the unit already has an internal gas trap).

- Do Not Reduce pipe size on outlet piping.

**Job Specification:**

Grease and oils separator(s) shall be Thermaco **Big Dipper** automatic grease/oil recovery system(s) with Automatic Solids Transfer as manufactured by Thermaco, Inc., Asheboro, North Carolina as noted on plans.

**Separator Specifications:**

Furnish and install ___ Thermaco **Big Dipper** Model No. W-250-AST, bright finish type 304 stainless steel exterior, rotationally molded polyethylene interior automatic self-cleaning grease and oil recovery separator(s) for floor mounted or partially recessed installation, rated at 25 gallons per minute (1.6 l/s) peak flow, 50+ pounds (22.7+ Kg) of grease capacity and including as an integral part of the unit, 1 rotating gear hydrophobic wheel assembly for automatic grease/oil removal, an integral flow control device, self-regulating enclosed electric immersion heater, a vessel vent, an integral gas trap, a digital control for programmable operation, a field reversible motor location, a field reversible grease/oil sump outlet, quick release stainless steel lid clamps, a gasketted and fully removable 304 stainless steel lid, lift-out filter basket access, an eductor transfer pump controlled by repeat cycle timer, and a separate grease and oils collection container. Eductor pump shall be supplied with 3’ (915 mm) Hose & 0.75” (19 mm) GH Female Connection for attachment to facility-supplied water supply. Eductor pump shall be supplied with an approved vacuum breaker. Electric assembly shall be tested to comply with pertinent sections of the Standards for Safety ANSI/UL 73 and/or ANSI/UL 1004. Electric motor equipped with overload protection. Two (2) no-hub connectors for plumbing connection provided.

**Electrical Variations:**

- W-250-AST: 115V 50/60Hz, 535 Watts (4.6 Amps)
- W-250-AST-E: 230V 50/60Hz, 535 Watts (2.3 Amps)