**FEATURES:**

- Fully automatic self cleaning cycle. Removes collected grease, oils & solids from tank without any operator assistance. Comes complete with two Digital Controls and Grease Collectors.
- Constructed of corrosion resistant materials suitable for installation in virtually any location. Attractive sanitary Stainless Steel exterior.
- Integrated Motor/Grease Outlet/Heater/Lids enables fast, do-it-yourself unit operation reversal.
- Easy lift grease collectors simplify grease collection container emptying.
- Compact footprint.

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Material</th>
<th>Description</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>
</tbody>
</table>

**Electrical:**

- 115 VAC, 50/60 Hz, 1055 Watts (9.1 Amps)*

**Maximum Inlet Flow Rate:**

- 125 GPM (7.89 l/s)

**Number of Skimming Wheels:**

- 2

**Skimming Rate:**

- 40 Pounds (18.16 Kg) Per Hour

**Grease Retention Capacity:**

- 300+ Pounds (136 Kg)

**Eductor Pump Operation Water Requirements:**

- 50 PSI min., 12 GPM (3.45 Bar min., 0.75 l/s)

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

Suggested Minimum Footprint Dimensions

Requirements
- Allow a minimum of 12” (304.8 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, 12 GPM (3.45 Bar min., 0.75 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 Controls for proper operating times.

Do Not
- Install “P” trap on outlet connection of tank.
- Reduce pipe size on outlet piping.

NOTE: Drawing for reference only. Equipment must be installed in compliance with all applicable laws, regulations and codes, including plumbing codes. Installation should be performed by a qualified plumber.

Job Specification:
Grease and oils separator(s) shall be Thermaco Big Dipper automatic grease/oil recovery system(s) as manufactured by Thermaco, Inc., Asheboro, North Carolina as noted on plans.

Separator Specifications:
Furnish and install ___ Thermaco Big Dipper Model No. W-1250-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 125 gallons per minute (7.89 l/s) peak flow, 300 pounds (136 Kg) of grease capacity and including as an integral part of the unit, two rotating gear hydrophobic wheel assemblies for automatic grease/oil removal, an integral flow control device, two self-regulating enclosed electric immersion heaters, a vessel vent, an integral gas trap, two digital controls for programmable operation, field reversible motor locations, field reversible grease/oil sump outlets, quick release stainless steel lid clamps, a gasketed and fully removable 304 stainless steel lid, lift-out filter basket access, an eductor transfer pump controlled by repeat cycle timer, and two separate grease and oils collection containers. Eductor pump shall be supplied with a 0.5” (13mm) female connector 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. Each electric motor equipped with overload protection.

Electrical Variations:
- W-1250-AST: 115V 50/60Hz, 1055 Watts (9.1 Amps)
- W-1250-AST-E: 230V 50/60Hz, 1055 Watts (4.6 Amps)

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