

**E****3500 ELECTRIC BOILER BASE  
STEAMER/KETTLE COMBINATION**

JOB NAME: \_\_\_\_\_

ITEM NO.: \_\_\_\_\_

NO. REQUIRED: \_\_\_\_\_

**MODELS**

- 3500M42MT6E** - 6 pan steamer with 6 gallon kettle on 42" wide electric boiler base
- 3500M42MT10E** - 6 pan steamer with 10 gallon kettle on 42" wide electric boiler base
- 3500M42MT12E** - 6 pan steamer with 12 gallon kettle on 42" wide electric boiler base

**DESCRIPTION**

Will be a Market Forge Model 3500 Electrically Powered Convection Steam Cooker. Will be integrally mounted on a cabinet base containing electrically powered steam boiler.

The 3500 will be of double-wall construction with 1" (25mm) thick insulation between cooking compartments and exterior walls, and will have two 18 gauge stainless steel welded cooking compartments with coved internal corners, and a 16 gauge stainless steel front panel.

Each cooking compartment on the 3500 has a positive slam action, field-reversible door constructed of Type 304 stainless steel. Door latches are spring loaded. The inner door gasket is a one-piece NSF-approved silicone rubber gasket. The cooking compartment is equipped with a door interlock (switch) that shuts off steam to the cooking compartment when the door is opened. Each compartment will be equipped with a perforated steam inlet baffle positioned for precise application of high velocity steam across the surface of food. Factory installs units with door opening from the right, see diagram on back

Controls for each compartment will include a 60-minute timer with constant steam mode, an indicator light, steam inlet solenoid valve, pressure relief valve, vacuum breaker, an automatic cold water condenser system, and a removable drip trough. Each compartment will be independently and automatically controlled by setting the cooking time on the 60-minute timer. At the end of cooking time, indicator light will turn off and a continuous signal will sound. Signal is silenced by returning the timer to the OFF position.

Stainless steel cabinet base will match other Market Forge stainless steel equipment and enclose steam boiler. Base with stainless steel frame will be equipped with 6" (152mm) stainless steel legs and adjustable bullet feet, reinforced stainless steel counter-top, and stainless steel lift-off front cover and left front door.

The CSD-1 compliant steam boiler features operating and high limit pressure control and nickel plating. The steam boiler will be automatically filled with water and brought to pressure when water and heat switches are turned on and automatically drained under pressure when water and heat switches are turned off. A cold water condenser will automatically condense all exhausted steam before it is released from the cooker and steam boiler drain. Also includes an ASSE approved backflow preventer, automatic water level control, low water cut-off, water strainer and cathodic protector. For more boiler information see the M24E-M36E spec sheet (14-0112).

The 6, 10 and 12 gallon steam jacketed kettle comes equipped with a hot and cold faucet, sink with splash guard and a steam control valve.

3500M42MT10E  
Shown**CAPACITY**

Each steamer compartment will accommodate the following:

- (6) 12" x 20" x 1" deep pans
- (3) 12" x 20" x 2 1/2" deep pans
- (2) 12" x 20" x 4" deep pan

**SHIPPING WEIGHT**

- **3500M42MT6E** - 605 lbs (274 kg)
- **3500M42MT10E** - 610 lbs (277 kg)
- **3500M42MT12E** - 615 lbs (279 kg)

**OPTIONS & ACCESSORIES (at additional charge)**

- **Pans & Covers**
  - 12" x 20" pan cover
  - 12" x 20" x 1" solid pan
  - 12" x 20" x 1" perforated pan
  - 12" x 20" x 2-1/2" solid pan
  - 12" x 20" x 2-1/2" perforated pan
  - 12" x 20" x 4" solid pan
  - 12" x 20" x 4" perforated pan
  - 12" x 20" x 6" solid pan
  - 12" x 20" x 6" perforated pan
- 6" Flanged Feet
- Digital Countdown Timer
- Prison package, includes lockable stainless steel hinged control cover, tamper proof screws, (4) 6" adjustable flanged feet
- Steam Take Off Kit (98 - 4463)
- Filter System
- 42/48 kW
- 60" water hose with quick disconnect

FOOD SERVICE EQUIPMENT  
Electric Steamer/Kettle Combination**MARKET FORGE**  
INDUSTRIES INC.

**E****3500 ELECTRIC BOILER BASE  
STEAMER/KETTLE COMBINATION**

DETAILS &amp; DIMENSIONS

**ELECTRICAL REQUIREMENTS**

Volts	Phase	36kW	42kW	48kW
208 (197-219)	3	100	117	-
240 (220-240)	3	91	-	116
480 (360-500)	3	47	-	58

Details of other electrical systems available upon request.

**SERVICE CONNECTIONS**

<b>EP</b>	<b>Power Supply</b> - Use wire suitable for at least 90°C. Nominal amp per line wire.
<b>CW1</b>	<b>Cold Water</b> - 3/8" (10mm) NPT for cold water to boiler. Cold water lines will have a maximum of 50 PSI (3.5kg/cw2) and a minimum of 25 PSI (1.8 kg/cw2) water pressure (Water may be filtered).
<b>CW2</b>	<b>Cold Water</b> - 3/8" (10mm) NPT for cold water to condenser and kettle fill faucet. Cold water lines will have a maximum of 50 PSI (3.5kg/cw2) and a minimum of 25 PSI (1.8 kg/cw2) water pressure.
<b>HW</b>	<b>Hot Water</b> - 3/8" (10mm) NPT female for hot water to kettle fill faucet. Hot water line will have a maximum of 50 PSI (3.5kg/cw2) and a minimum of 25 PSI (1.8 kg/cw2) water pressure.
<b>D</b>	<b>Drain</b> - Pipe full 2" (50mm) NPT to flush floor drain capable of receiving water flowing at a maximum rate of 5 gallons (19 liters) per minute. DO NOT MAKE SOLID CONNECTION TO FLOOR DRAIN.
<b>ST</b>	<b>Steam Take-off</b> - Connection for operation of adjacent steam powered equipment.

**OPERATION WILL BE BY**Electrically powered, A.S.M.E. constructed and National Board Registered, 15 PSI (1 kg/cm<sup>2</sup>) steam boiler rated at 36kW**NOTE:** The only available space to supply utilities to the boiler is the 6" (152mm) space between the floor and the cabinet base. PVC & CPVC Pipe are not acceptable materials for drains.**WATER SUPPLY**

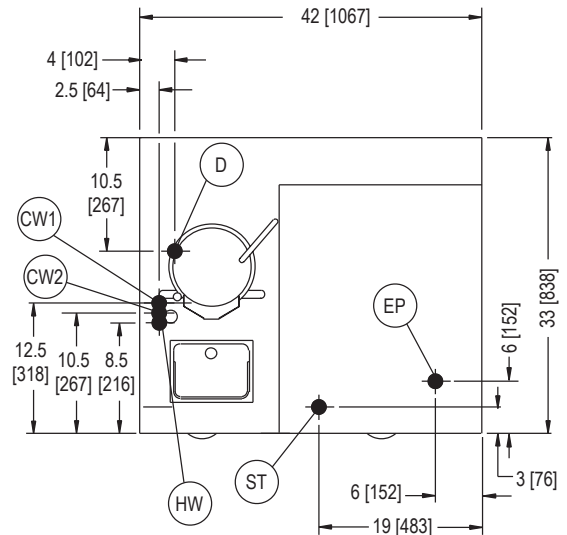
Good quality water feed is the responsibility of the owner. Water quality must be within the following general guidelines.

TDS: 40-125 ppm      Hardness: 35-100 ppm      Chlorine: <0.2 ppm  
 Silica: <13 ppm      Chlorides: <25 ppm  
 Chloramine: <0.2 ppm      pH: 7.0 - 8.5

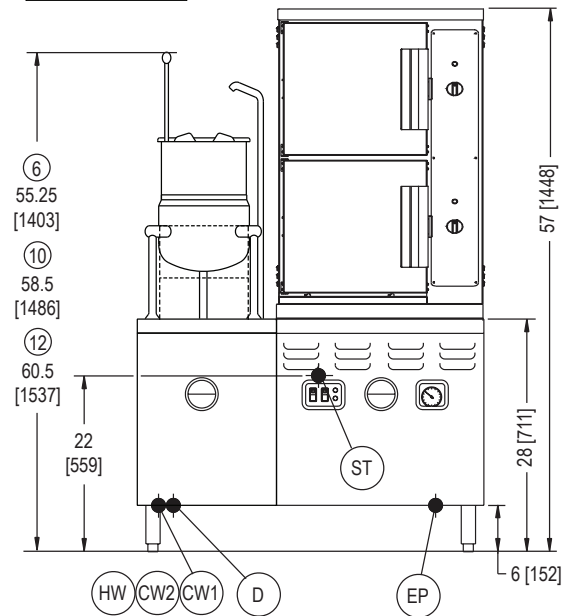
The best defense against poor water quality is a water treatment system designed to meet your water quality conditions.

Appliance to be installed with backflow protection according to federal, state or local codes.

DIMENSIONS ARE IN INCHES [MM]



- ⑥ 6 Gallon kettle
- ⑩ 10 Gallon kettle
- ⑫ 12 Gallon kettle



The manufacturer reserves the right to modify materials and specifications without notice.

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