



# STEAMERS

## HYPLUS PRESSURELESS WITH ELECTRIC BOILER MODEL HY-10SE

Pressureless steamer with electric heated pressure boiler mounted in a cabinet base.

Certifications:

PROJECT NAME:	
LOCATION:	
ITEM NO:	
QTY:	
MODEL NO:	
AIA NO:	
SIS NO:	
CSI SECTION:	11400



### OPTIONS/ACCESSORIES:

- Flanged Feet
- Single Water Connection

**CONSTRUCTION:** Steamer cavities and cabinet base are all stainless steel construction. Steamer unit has a unitized body with removable right side panel providing access to internal components. Steamer doors are all stainless steel with strong continuous hinge and are field reversible for left or right swing. Doors are insulated and provided with a one piece, replaceable seal. Easy open handle and latch provides positive lock and seal when door is pushed or slammed shut.

Hidden magnetic door switch cuts power to blower and steam flow to that cavity, when the door is opened. Pan support racks are polished stainless steel and removable for easy cleaning. Wide drip sink with condensate drain is positioned under cavity doors.

Cabinet base has a stainless steel frame and top deck, with hinged front access panel and removable side and rear panels standard. Front and rear legs have adjustable bullet feet.

**FINISH:** Cabinet exterior including doors are finished to a #3 uniform finish. Cavity interiors are polished stainless steel. Control panel face plates are smudge resistant polyester film, ensuring maximum ease in cleaning and maintaining a brilliant finish.

**CONTROLS:** Steamer cavity controls are mounted on the front panel for easy replacement or repair and include separate ON-OFF 60-minute timer control with a constant steam setting, for each cavity. Electric boiler is provided with a power-ON switch, RESET light, start switch, low water sensor, pop safety valve, water level sight glass, and outside cabinet mounted pressure gauge.

**PERFORMANCE FEATURES:** Unit will shut off if water level is low or unit builds too much pressure. When power switch is turned "OFF", the boiler automatically drains to reduce sediment build-up, after water has cooled to 130°F. Each steamer cavity has a powerful side mounted blower, which increases steam velocity and provides efficient steam distribution throughout cavity and between loaded pans.

**CABINET BASE STEAM SOURCE:** Unit has an electric heated cabinet mounted pressure boiler to provide atmospheric steam to each chamber at a temperature of approximately 212°F. Boiler is constructed for 15 PSI maximum, 24KW model delivers 2.2 boiler horsepower, the 36KW model delivers 3.5 boiler horsepower, and the 48 KW model delivers 4.7 boiler horsepower.

### PAN CAPACITY:

Pan Size/Type	Per cavity	Total
12 x 20 x 1"	10	20
12 x 20 x 2-1/2"	5	10
12 x 20 x 4"	3	6

**INSTALLATION:** Specify 208, 240 or 480 Volt, 3 phase, 60 cycle electrical service. Unit requires two 1/2" NPT cold water supply lines and 1 1/4" NPT free venting drain.

**STEAM SOURCE FOR ADJACENT EQUIPMENT:** A 1/2" NPT power take-off valve is standard on all 36 and 48KW units. To ensure proper performance, boiler must be properly sized to meet boiler horsepower requirements of steamer cavities and additional equipment. Appropriate steam traps and piping must be professionally installed.

### WATER QUALITY REQUIREMENTS:

Containment	Water Supply
pH	7 to 9
Total Dissolved Solids (TDS)	30 to 60 ppm
Hardness	less than 60 ppm
Chlorine and Chloramine	less than .1 ppm
Chlorides	less than 30 ppm
Silica	less than 12 ppm
Undissolved Solids	less than 5 microns

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### ADDITIONAL RESOURCES:

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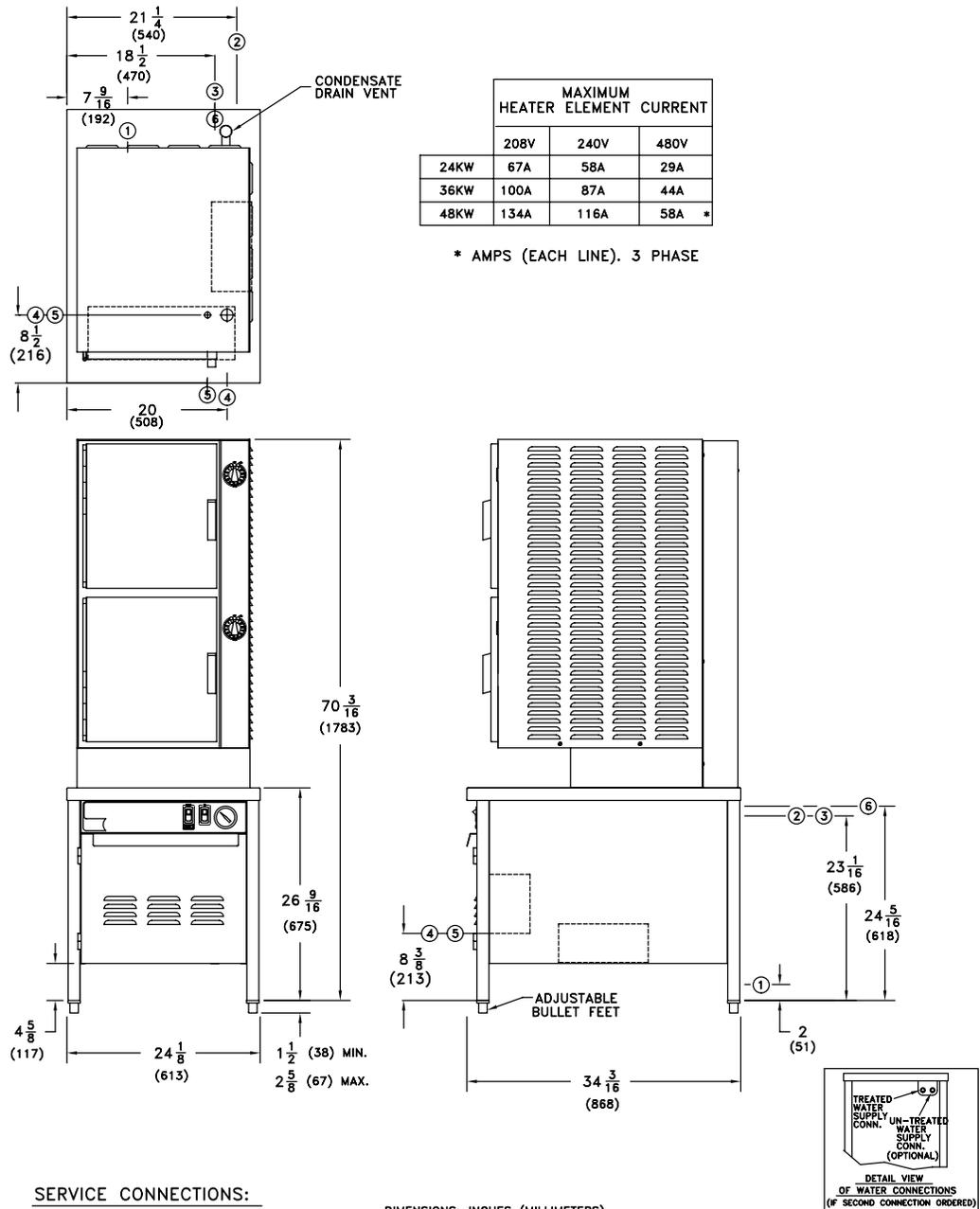
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In order to accurately choose the correct water treatment solution, a water quality test must be performed. If a "Free Start-up" is requested, the ASA will perform a water quality test and Groen will be able to suggest the best solution for your water quality. If it isn't, your local manufacturing representative can coordinate this for you.

After the "Free Start-up" is performed, Groen will add an additional 1-year parts and labor warranty. If Groen suggests a water treatment system, the system is purchased from Groen, installed, and maintained. Water related service issues will be covered for the duration of the warranty period.



**SERVICE CONNECTIONS:**

DIMENSIONS: INCHES (MILLIMETERS)

- ① DRAIN CONNECTION: 1-1/4" NPT (INCLUDES AUTOMATIC & MANUAL BOILER, STEAMERS, & CONDENSATE SPRAY)
- ② COLD WATER SUPPLY: 1/2" NPT (FOR BOILER & CONDENSATE SPRAY)
- ③ OPTION: SEPARATE CONDENSATE SPRAY 3/8" NPT (ADD KIT #MS102210)
- ④ MAIN ELECTRICAL CONNECTION ( ALL UNITS): 1-31/32" DIA. HOLE (REF. 1-1/2" CONDUIT KNOCK-OUT)
- ⑤ AUX. ELECTRICAL CONNECTION (208V/240V 48KW ONLY): 1-3/32" DIA. HOLE (REF. 3/4" CONDUIT KNOCK-OUT)
- ⑥ STEAM POWER TAKE-OFF: 1/2" NPT (NOT AVAILABLE ON 24KW UNITS)

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