



STEAM JACKETED KETTLES

TWO KETTLES WITH ELECTRIC STEAM BOILER CABINET BASE MODEL (2)CTDC/3-20-SE

Unit shall be a Groen Model (2) CTDC/3-20-SE, with two 20 quart stainless steel tilting steam jacketed kettles, with cabinet mounted (Specify 24, 36 or 48KW) electric steam boiler, per Bulletin 34Gd and as follows.



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



CONSTRUCTION: Kettles shall be Type 304 stainless steel with solid one-piece welded construction, with tubular stainless steel support arms. Rim shall be triple reinforced to resist abuse, with a welded "Butterfly" shaped lip, for easy pouring. Kettles shall have two operating handle lugs so that handle can be attached on right or left side. 36" wide cabinet base shall have stainless steel frame, top deck, double panel access doors, side and rear panels and 6" legs. Front legs shall be adjustable bullet feet while back legs shall have adjustable flanged feet. Cabinet design and trim shall match other HyPLUS™ modular equipment.

FINISH: Cabinet base shall be finished to a #3 uniform finish. Kettle exteriors shall be polished to a bright high buff finish. Accent strip shall be matt finish polyester film ensuring maximum ease in cleaning and maintaining an attractive appearance.

ASME CODE & UL APPROVAL: Cabinet mounted steam generator shall be ASME Code constructed and National Board registered for operation up to 15 PSI. Kettles shall be coded and registered for operation up to 55 PSI. Electric boiler is UL listed.

SANITATION: Unit shall be designed and manufactured to meet NSF known health department and sanitation codes and be NSF listed.

SINKS/FAUCET: Unit shall have one large flush mounted pouring sink mounted in front of both kettles. Sink shall be piped to common drain and provided with a removable anti-splash screen. Unit comes standard with hot and cold water faucet with swing spout.

CONTROLS: Electric steam boiler shall be provided with a power-ON switch, reset light, start switch, exterior mounted pressure gauge, water level sight glass, low water sensor and pop safety valve. Kettle steam control valves and hot and cold water faucets are front mounted for easy access.

PERFORMANCE FEATURES: Unit will shut off if water level is too 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 170°F. Kettles shall operate dependably at any steam pressure between 5 and 55 PSI.

CABINET BASE STEAM SOURCE: Unit shall have an electrically heated cabinet mounted pressure boiler to provide approximately 12 PSI steam to the kettles. Available with 24, 36 or 48 KW power ratings delivering 2.2, 3.5 and 4.7 boiler horsepower respectively. Heating elements are total immersion type and replaceable. Boiler has auxiliary manual drain valve to simplify maintenance.

INSTALLATION: Specify 208, 240 or 480 Volt, three phase, 50 or 60 cycle electric service. Unit requires 3/8" NPT hot and 1/2" NPT cold water supply lines. Requires single free venting 1 1/4" NPT drain for automatic and manual boiler drain, kettles and sink. Kettles are completely pre-piped to electric boiler.

STEAM SOURCE FOR OTHER EQUIPMENT: If additional equipment (steam kettle) is to be powered by cabinet mounted boiler, power take-off valve is provided. To ensure proper performance, generator must be properly sized to meet boiler horsepower requirements of kettles AND any additional equipment.

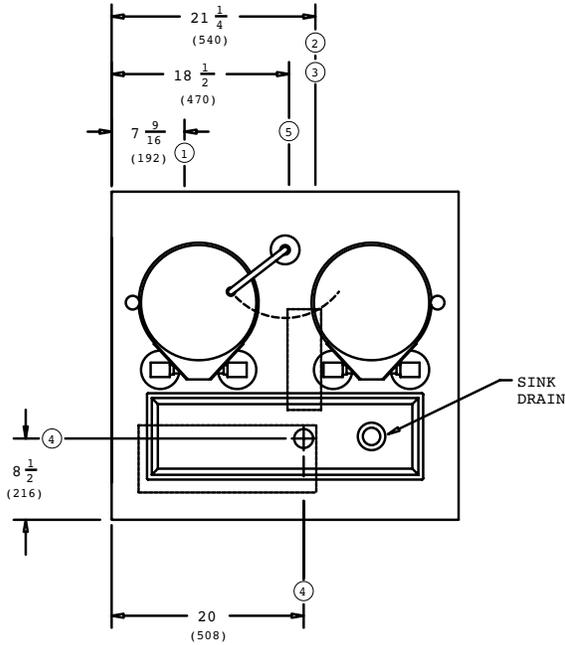
WATER SUPPLY REQUIREMENTS: All water boiler systems are subject to contamination and failure due to mineral content found in most water supplies. To minimize service problems, a water treatment (softening) system is recommended when water quality is found to exceed limits stated below and in operator manual. Recommended MINIMUM water quality standards are: total dissolved solids (TDS) content should not exceed 30 parts per million; and the water pH should be 7.0 or higher.

OPTIONS/ACCESSORIES:

- Lift-off covers for kettles
- Basket inserts and brush kits for kettles

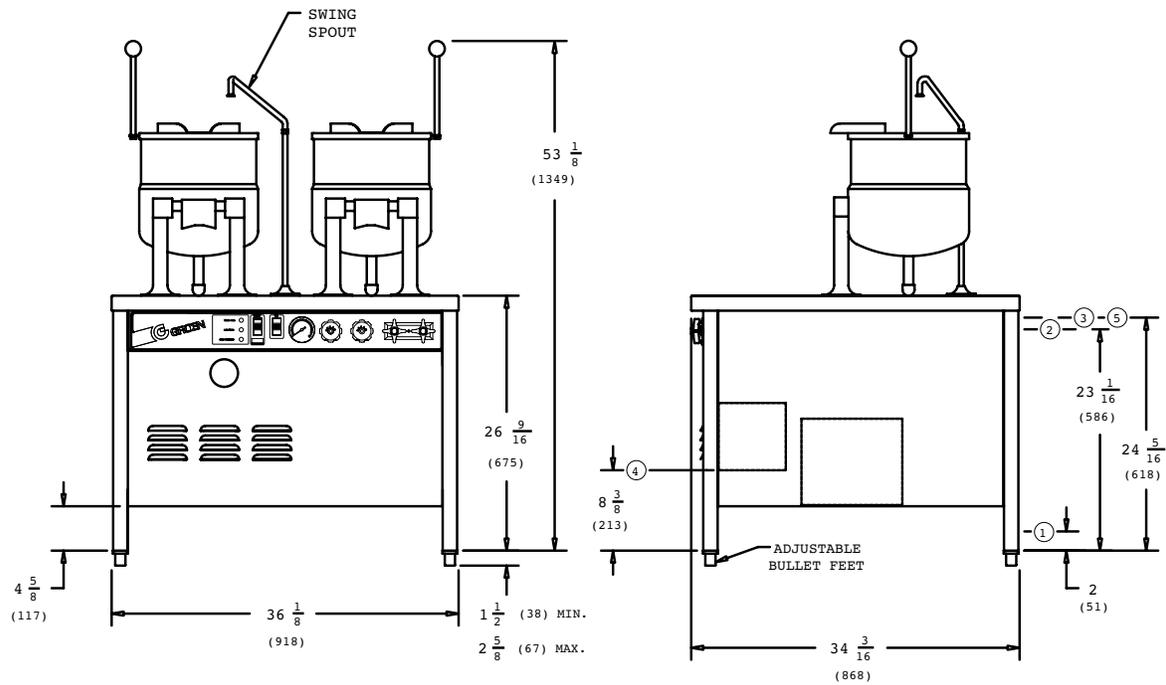
ADDITIONAL RESOURCES:

- [Request A Quote](#)
- [Sales Tools](#)
- [Find A Rep](#)



| | MAXIMUM HEATER ELEMENT CURRENT * | | |
|------|----------------------------------|------|------|
| | 208V | 240V | 480V |
| 24KW | 67A | 58A | 29A |
| 36KW | 100A | 87A | 44A |
| 48KW | 134A | 116A | 58A |

* AMPS (EACH LINE), 3 PHASE



SERVICE CONNECTION

- ① DRAIN CONNECTION 1-1/4" NPT (INCLUDES AUTOMATIC & MANUAL BOILER, ~~SEE~~ SINK)
- ② COLD WATER SUPPLY: 1/2" NPT (FOR ~~BOILER~~ FAUCET)
- ③ HOT WATER SUPPLY: 3/8" NPT (FOR FAUCET)
- ④ MAIN ELECTRICAL CONNECTION (ALL UNITS): 1-31/32" DEF. HGL-1/2" CONDUIT ~~BLACK-O~~
- ⑤ STEAM POWER TAKE-OFF: 1/2" NPT

NOTES:

- 1. DIMENSIONS IN BRACKETS () ARE MILLIMETERS.
- 2. SPLASHGUARD SUPPLIED BUT NOT SHOWN.