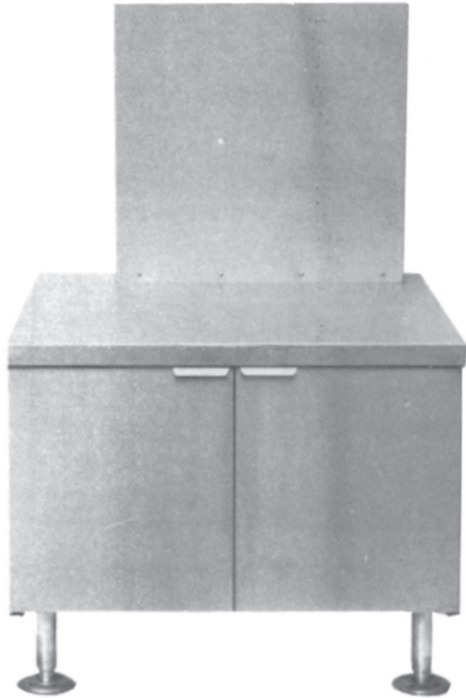




## ELECTRICALLY OPERATED STEAM GENERATOR



- CG-220S
- CG-325S
- CG-330S

### OPERATION SHALL BE BY:

Gas operated 15 psi (103 kPa) steam boiler operating on 115 VAC:

- Natural Gas
- L.P. Gas
- 200,000 BTU (24" cabinet)
- 250,000 BTU (36" cabinet)
- 300,000 BTU (36" cabinet)

### STANDARD FEATURES:

- Water Treatment System
- CSD-1 boiler controls
- Automatic boiler blowdown
- Electronic ignition
- Steam take off kit

### OPTIONS & ACCESSORIES

- Floor Protective Panel for 36" Gas Boiler Based Cabinets and Up (aluminum panel, painted on top with special anti-reflective black paint) (8976-1-SB)
- Floor Protective Panel 24" Gas Boiler Based Cabinets (aluminum panel, painted on top with special anti-reflective black paint) (8978-1-SB)
- 220 VAC operation (GBVS-1)
- Pressure reducing valve (PRV-2)
- Correctional package
- Ball float trap (BFT)
- Water in "Y" strainer (Condenser feed)
- Nickel plated boiler shell (NPBS)

### STANDARD CONSTRUCTION SPECIFICATIONS

Shall be a Southbend Steam model CG-220S, CG-325S or CG-330S, gas fired steam boiler suitable for operation at any pressure from 5-15 psi (34-103 kPa) and to operate on 115 VAC.

Boiler shall be mounted in a cabinet base:

- 24" (610 mm) wide 200,000 BTU.
- 36" (914 mm) wide 250,000 or 300,000 BTU.

Polished #4 finish stainless steel cabinet base shall be a modular design.

Shall be equipped with 6" (152 mm) stainless steel legs with 4 adjustable flanged feet, reinforced stainless steel counter top, and hinged doors with magnetic latches.

All piping shall be confined within cabinet.

Unit shall come standard with automatic water level control, pressure gauge, water gauge glass, pressure control with secondary safety pressure control, safety relief valve, split water line, automatic boiler blow-down, CSD-1 boiler controls, steam take off kit, and electronic ignition.

Thermostatically controlled cold water shall automatically condensate exhausted steam into water before releasing it to the drain.

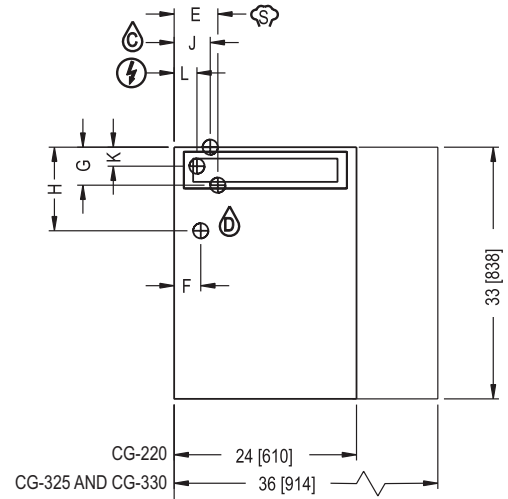
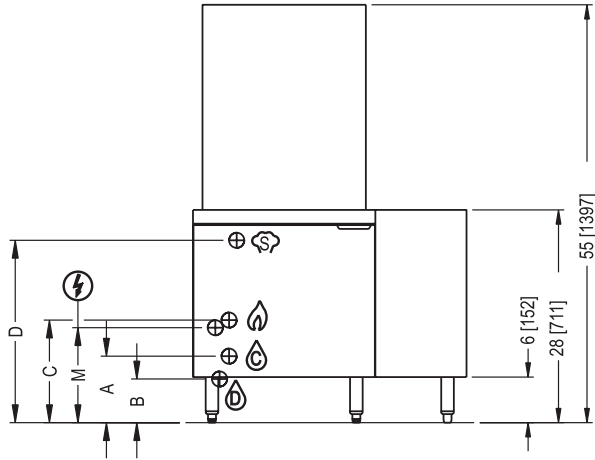
**\*SEE REVERSE SIDE OF SPEC SHEET FOR WATER TREATMENT SYSTEM STATEMENTS\***



Approval Notes: \_\_\_\_\_

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CG-220S



**SERVICE CONNECTIONS**

- COLD WATER: 3/8" O.D. tubing at 25-50 PSI (170 - 345 kPa).
- DRAIN: 2" (51 mm) IPS piped to open floor drain. No solid connection.
- ELECTRICAL CONNECTION: Unless otherwise specified, field wiring electrical connection to be 115V, 60 Hz, 1 Phase with ground.
- STEAM TAKE-OFF CONNECTION: 3/4" (19 mm) IPS optional to operate adjacent equipment.
- GAS CONNECTION: 3/4" (19 mm) IPS supply line required. Natural Gas: min 7" (178 mm) W.C., Propane: min. 11" (279 mm) W.C.

**DIMENSIONS**

MODEL	BTU/HR	UNITS	A	B	C	D	E	F	G	H	J	K	L	M
CG-220S	200,000	in (mm)	8.75" (222)	5.75" (146)	13.5" (343)	24" (610)	5.75" (146)	3.5" (89)	5" (127)	11" (279)	4.75" (121)	2.5" (64)	3" (76)	12.5" (318)
CG-325S	250,000						8" (203)		6" (152)		6.75" (171)			6" (152)
CG-330S	300,000													

**COMPARTMENT PAN CAPACITY**

MODEL	WIDTH	BTU
CG-220S	24"	200,000
CG-325S	36"	250,000
CG-330S	36"	300,000

**WATER QUALITY STATEMENT**

Water is the essential ingredient in steam equipment, water quality is the major factor affecting the performance of your appliance. Crown Steam Group offers a Comprehensive Water Treatment System which exceeds our minimum water requirements. Proof of installation and proper cartridges replacement is required for warranty coverage. Water supply to Crown Steam Group steamers must be within these guidelines.

Total dissolved solids.....	Less than 60 PPM	Chlorine .....	Less than 1.5 PPM
Total alkalinity .....	Less than 20 PPM	pH Factor .....	6.8 - 7.3
Silica.....	Less than 13 PPM		

Water which does not meet these standards should be treated with the installation of Middleby's Water Treatment System. Call 919-762-1000 if you have questions concerning your water meeting these parameters.

\*Failure or malfunction of this appliance due to poor water quality is not covered under warranty.  
**Reference [www.crownsteamgroup.com](http://www.crownsteamgroup.com) for complete warranty details and instructions.**

**DISCLAIMER**

**Terry System Cartridge Changes / Installation** – "2-3 gallons of water **MUST** be purged at each cartridge change or new installation prior to water supply being fed to the steamer. Failure to do so can result in component damage within the steamer which is not covered under warranty. For additional guidance on proper installation, refer to install documentation provided with each Terry System and Replacement Cartridge Set."

**INTENDED FOR COMMERCIAL USE ONLY.  
 NOT FOR HOUSEHOLD USE.**

