

# 2 OR 3 COMPARTMENTS, GAS FIRED STEAM BOILER, 300M BTU, 36" WIDE CABINET BASE WITH NICKELGUARD™

Project \_\_\_\_\_  
 Item \_\_\_\_\_  
 Quantity \_\_\_\_\_  
 FCSI Section 11400 \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Date \_\_\_\_\_

## Models

### 2 COMPARTMENTS

- PGM-300-2

### 3 COMPARTMENT

- PGM-200-3



- Heavy Duty, free floating, cast aluminum compartment doors
- Compartment Door Hinges have adjustable hinge pins and self-lubricating bushings
- Door Gasket replaceable without tools
- Pressure Gauge for compartment Operating Pressure
- Compartment Slide Racks are removable without tools, for easy cleaning
- Type 430 Stainless Steel: external enclosure, Table Top and eight gauge plate cooking compartments
- Modular Cabinet Base with Hinged Doors
- High efficiency Gas-Fired Steam Boiler with NickelGard and Automatic Water Fill on start-up
- Automatic Water Level Control System with Low Water Power Cut-off Circuit
- Steam Boiler equipped with High-limit Pressure Safety Switch and Safety Valve
- Automatic Steam Boiler (boiler) Blowdown allows intermittent control, complete with additional Manual Drain Valve
- Steam Boiler with Electronic Spark Ignition
- Single Cold Water Connection (no hot water required)
- 6" Stainless Steel Legs with level adjustment and flanged feet
- Gas Pressure Regulator and Control Valve
- Standard Voltage 115 volts, 60 hz, single phase
- All Major Components are serviceable from the front of unit
- Secondary Low Water Cut-Off, factory installed (CALG)  
(Required for AZ. AR. CA. CO. CT. DE. FL. GA. HI. IL. IA. KS. MD. MA. MI. MN. MT. NE. NV. NM. NC. OK. OR. PR. RI. TN. UT. VA. WA. WV., Buffalo, NY, Wash. DC)
- Stainless Steel base Frame (FSS)

## Short Form Specifications

Shall be \_\_\_\_ Compartments, CLEVELAND, Pressure Steamer, Model PGM-\_\_\_\_ - \_\_\_\_ , Gas-fired Steam Boiler, \_\_\_\_ M BTU input; \_\_\_\_ volts, single phase. Each Cooking Compartment equipped with: 60 Minute Timer; Pressure Safety Valve; Heavy-duty, free floating Door with Safety Interlock; and synchronous operating Steam Inlet and Exhaust/Drain Valves. Solid State Controls operate Water Level and Steam Boiler (boiler) Safety Functions. Automatic Steam Boiler (boiler) Blowdown with additional Manual Drain Valve.

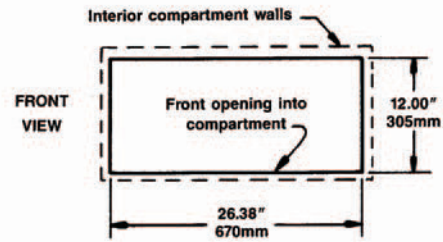
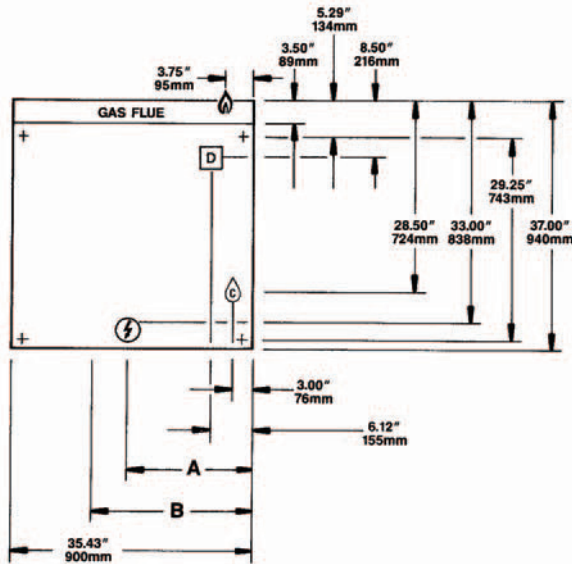
## Standard Features

- 5 psi Operating Pressure in cooking compartments
- Mechanical interlock prevents unlatching door while compartment is pressurized
- Timers, one per compartment, are mechanical style with audible signal
- Thermostatic Trap vents cooking compartment automatically
- Steam Inlet Valves and Exhaust Valves interlocked for synchronous action
- 8 psi Compartment Safety Valve
- Capacity per compartment for eight, 12" x 20" x 2 1/2" deep Cafeteria Pans, or four, 18" x 26" Bun Pans

## Options & Accessories

- 15 psi for Kettle Operation, includes Power Take-Off (PTO)
- Kettle Interconnecting Kit (IMK)
- Stainless Steel Insulated Flue (SSF)
- Special Compartment Slide Racks
- 12" x 20" Cafeteria Pans 1", 2 1/2", 4" or 6" deep
- Intermediate Pull-Out Shelf (POS)
- Gas Option, other than natural
- Water Filters
- Correctional Packages

KE004046-85

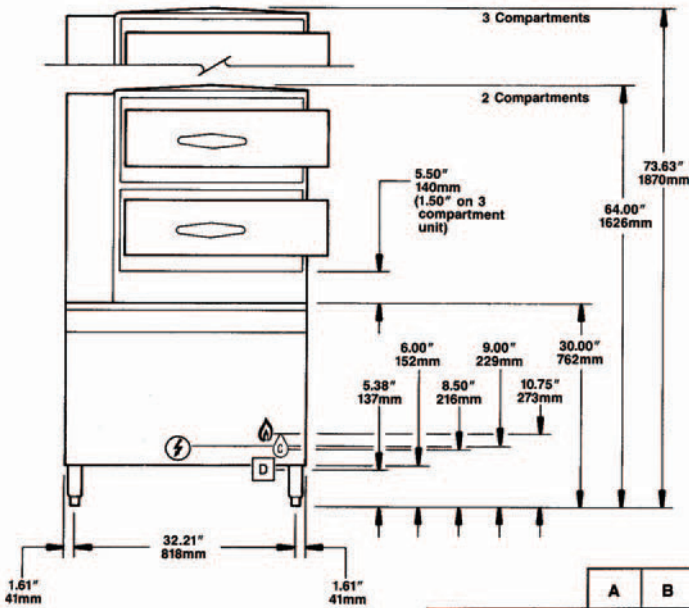


**COMPARTMENT HAS CAPACITY FOR:**

|                           |                   |
|---------------------------|-------------------|
| Eight, 12" x 20" x 2 1/2" | Cafeteria Pans or |
| Six, 12" x 20" x 4"       | Cafeteria Pans or |
| Four, 12" x 20" x 6"      | Cafeteria Pans or |
| Four, 18" x 26"           | Bun Pans          |

**WATER QUALITY REQUIREMENTS  
(Boilers, Generators)**

|  |                             |
|--|-----------------------------|
| TTDS:                                    | 50-250 ppm                  |
| Hardness:                                | 50 - 200 mm<br>(3 - 12 gpg) |
| pH value:                                | 7.0 - 8.5                   |
| CL (Chloride):                           | max 50 ppm                  |
| Cl <sub>2</sub> (free chlorine):         | max 0.1 ppm                 |
| SiO <sub>2</sub> (silica):               | max 13 ppm                  |
| NH <sub>2</sub> Cl:<br>(mono-chloramine) | max 0.1 ppm                 |
| Total Alkalinity:                        | 50 - 100 ppm                |



|         |    | A     | B     |
|---------|----|-------|-------|
| PGM-200 | IN | 23.38 | 23.63 |
|         | mm | 594   | 600   |
| PGM-300 | IN | 18.63 | 23.63 |
|         | mm | 473   | 600   |

**Shipping Weight**  
 Model -  
 PGM-300-2 Weight - 974 lbs  
 PGM-200-3 Weight - 1,100 lbs

| GAS   |  | ELECTRIC   | WATER   | DRAINAGE   | CLEARANCE  |
|---|--|--|---|--|--|
| NATURAL   | PROPANE  | 115V - 1 PH<br>25 watts per compartment<br>50 watts for Steam<br>Generator Control | 1/4" NPT Cold Water Inlet<br>35 psi minimum<br>60 psi maximum<br><br>Boiler feed<br>5.0 Amps<br>** Do not connect to GFI<br>outlet. See note below. | The Floor Drain must be<br>located outside the<br>confines of the<br>equipment.<br><br>1 1/2" IPS common drain.<br>Do not connect other units to<br>this drain.<br>Do not use PVC pipe for<br>drain. | Right - 6", Left - 6", Rear - 6"<br>(12" on control side if adjoining<br>wall or equipment is over 30"<br>high for service access)<br><br>For use in non-<br>combustible locations.<br>Contact factory for<br>variances to clearances. |
| 3/4" IPS for 220,000 BTU or<br>less. 1.00" IPS for 250,000<br>BTU or more.<br>Supply pressure:<br>4.00" W.C. minimum<br>14.00" W.C. maximum | 3/4" IPS for 220,000 BTU or<br>less. 1.00" IPS for 250,000<br>BTU or more.<br>Supply pressure:<br>12.00" W.C. minimum<br>14.00" W.C. maximum |  |   |  |  |
| Manufacturer must be notified if unit will be used above<br>2,000 ft. altitude.   |  |  |   |  |  |

**NOTES:**

\*\*DO NOT CONNECT TO GFI OUTLET. CLEVELAND RANGE RECOMMENDS GAS FIRED 120 VOLT STEAMERS BE HARD WIRED DIRECTLY TO ELECTRICAL SYSTEM.  
 Cleveland Range reserves right of design improvement or modification, as warranted.  
 Many regional, state and local codes exist and it is the responsibility of the owner and installer to comply with the codes.  
 Cleveland Range equipment is built to comply with applicable standards for manufacturers. Included among those approval agencies are ASME/N. Bd, NSF and CSA (AGA, CGA).  
 Cleveland Range reserves right of design improvement or modification, as warranted.

(NOT TO SCALE)