

2 OR 3 COMPARTMENTS, CABINET MOUNTED,  
ELECTRIC STEAM BOILER, 24, 36 OR 48 KW, 36"  
WIDE CABINET BASE

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

**Models**

2 COMPARTMENTS

- PEM-24-2
- PEM-36-2
- PEM-48-2

3 COMPARTMENT

- PEM-24-3
- PEM-36-3
- PEM-48-3



- Capacity per compartment for eight, 12" x 20" x 2 1/2" deep Cafeteria Pans, or four, 18" x 26" Bun Pans
- 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 gage plate cooking compartments
- Modular Cabinet Base with Hinged Doors
- High efficiency Electric Steam Boiler with 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 Pressure Gauge
- 6" Stainless Steel Legs with level adjustment and flanged feet
- Single Cold Water Connection (no hot water required)
- Secondary Low Water Cut-Off, factory installed (CALE)  
(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)
- Standard Voltage 208-240 volts, 60 hz, single phase, three wire
- All Major Components are serviceable from the front of unit

**Short Form Specifications**

Shall be \_\_\_\_\_ Compartments, CLEVELAND, Pressure Steamer, Model PEM- \_\_\_\_\_ - \_\_\_\_\_, Electric Steam Boiler, \_\_\_\_\_ kw, \_\_\_\_\_ volts, \_\_\_\_\_ ph, three wire. Each Cooking Compartment equipped with: 60 Minute Timer; 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.

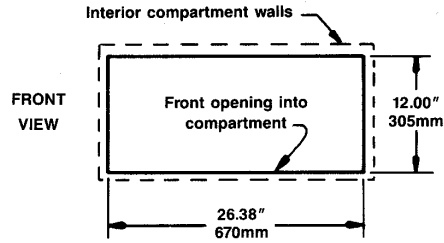
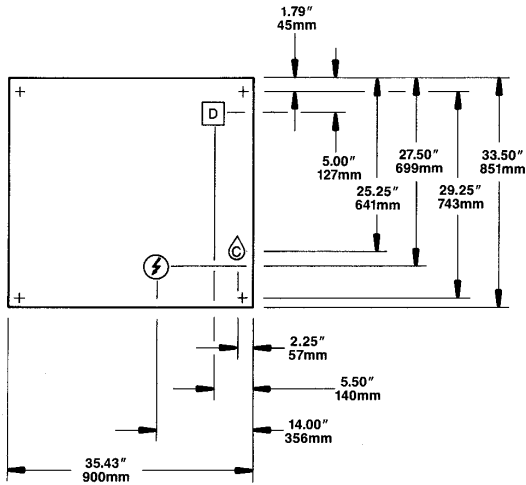
**Standard Features**

- 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

**Options & Accessories**

- 15 psi for Kettle Operation, includes Power Take-Off (PTO)
- Kettle Interconnecting Kit (IMK)
- Stainless Steel gas flue cover, insulated (SSF)
- Special compartment Slide Racks
- 12" x 20" Cafeteria Pans 1", 2 1/2", 4" or 6" deep
- Intermediate Pull-Out Shelf (POS)
- Voltages, other than standard
- Water Filters
- Correctional Packages

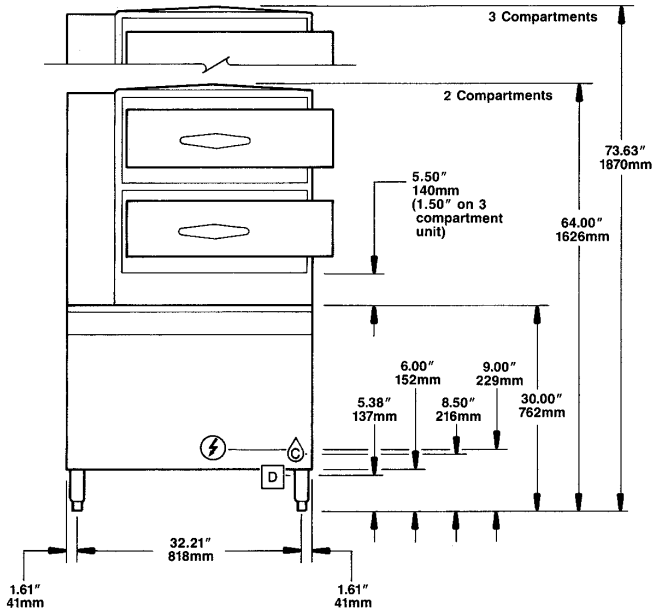
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**COMPARTMENT HAS CAPACITY FOR:**

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 (3 - 12 gpg)
pH value:	7.0 - 8.5
CL (Chloride):	max 50 ppm
Cl2 (free chlorine):	max 0.1 ppm
SiO2 (silica):	max 13 ppm
NH2Cl: (mono-chloramine)	max 0.1 ppm
Total Alkalinity:	50 - 100 ppm



ELECTRIC ⚡						
KW	Volts	Watts	Ph	Amps	Wire	
24	208	21,500	3	59.7	3	
	220	24,000	3	63.1	3	
	240	24,000	3	57.8	3	
	440	20,200	3	26.5	3	
	480	24,000	3	28.9	3	
36	208	32,200	3	89.5	3	
	220	36,000	3	94.6	3	
	240	36,000	3	86.7	3	
	440	30,200	3	39.7	3	
	48	208	42,900	3	119.2	3
220		48,000	3	126.1	3	
240		48,000	3	115.6	3	
440		40,300	3	52.9	3	
480		48,000	3	57.8	3	

WATER Ⓒ	DRAINAGE Ⓓ	CLEARANCE
1/4" NPT Cold Water Inlet 35 psi minimum 60 psi maximum	The Floor Drain must be located <b>outside the confines of the equipment base.</b>  1 1/2" I.P.S. common drain. Do not connect other units to this drain. Do not use PVC pipe for drain.	Right - 3", Left - 3", Rear - 3" (12" on control side if adjoining wall or equipment is over 30" high for service access)  <b>Contact factory for variances to clearances.</b>

**Shipping Weight**

Model -	Weight -
PEM-24-2	830 lbs
PEM-24-3	940 lbs

Cleveland Range reserves right of design improvement or modification, as warranted.

(NOT TO SCALE)