



# ELECTRIC CONVECTION STEAMER ON CABINET BASE



## SPECIFICATIONS:

Shall be a Southbend Model \_\_\_\_\_, convection steamer with electric steam boiler base, ASME code stamped and National Board registered. The steamer shall be constructed of #4 finish stainless steel type 304, with a cooking chamber of one-piece, all welded, 316 stainless steel and shall be:

- ECX-2S, 13.875" W x 10.875" H x 19.875" D (352 mm x 276 mm x 504 mm).
- ECX-10S, 13.875" W x 17.375" H x 19.875" D (352 mm x 441 mm x 504 mm).

The chamber shall be fully insulated and provided with removable stainless steel pan supports. The doors shall have a removable inner liner of stainless steel with full perimeter gasket seal, an outer shell of one piece all welded stainless steel, a positive lock and seal mechanism and a stainless steel drip trough connected to drain to collect condensate when door is opened.

Steamer controls shall be accessible through a full removable side panel and each compartment shall include a 60 minute mechanical timer with ready pilot and cooking light and shall interrupt steam flow to the chamber when the door is opened during cooking cycle and shall be reactivated when the door is closed. An audible signal which will sound at the end of the cooking cycle.

The cabinet base with electric boiler and controls shall be provided with full perimeter angled frame, reinforced boiler mountings, electric boiler with controls, all stainless steel exterior, hinged door(s) with magnetic latch and 6" (152 mm) stainless steel legs fitted with adjustable bullet feet on the front and adjustable flanged feet on the rear for securing to the floor. Standard boiler controls shall include automatic water level control, pressure gauge, water gauge glass, operating pressure control with pressure safety control, safety relief valve and cathodic protector.

COMPARTMENT PAN CAPACITY					
MODEL	STANDARD BOILER	PAN DEPTH			
		1"	2-1/2"	4"	6"
ECX-2S	24 kW	6	3	2	1
ECX-10S	36 kW	10	5	3	2

## OPERATION SHALL BE BY:

Electrically heated steam boiler operating at 9 - 11 psi (62 - 76 kPa) and rated at:

- 24.0 kw (ECX-2S standard)
- 36.0 kw (ECX-10S standard)

The steam boiler shall be equipped for operation on:

- 208 VAC, 3 Phase, 60 Hz
- 240 VAC, 3 Phase, 60 Hz

The controls shall be equipped for operation on 115 VAC, 1 Phase, 60 Hz

## OPTIONAL ITEMS AT EXTRA COST:

- 36.0 kw
- 42.0 kw
- 48.0 kw (240 VAC min.)
- 220 VAC, 3 PHASE, 60 Hz
- 380 VAC, 3 PHASE, 60 Hz
- 415 VAC, 3 PHASE, 60 Hz
- 480 VAC, 3 PHASE, 60 Hz
- 600 VAC, 3 PHASE, 60 Hz
- 380/220 VAC, 3 PHASE, 60 Hz, 4 wire
- 415/240 VAC, 3 PHASE, 60 Hz, 4 wire
- CSD-1
- Automatic boiler blow down
- 36" wide cabinet
- Stainless steel rear panel
- Stainless steel frame
- Split water line
- Adjustable front flanged feet
- Load compensating timers
- Cabinet size (48" or 60")
- Correctional Package

## ACCESSORIES:

- Spray and rinse assembly
- De-liming kit (DPA-1) not available with CSD-1
- Water in "Y" strainer
- Steam take-off kit (STOK)

Job # \_\_\_\_\_



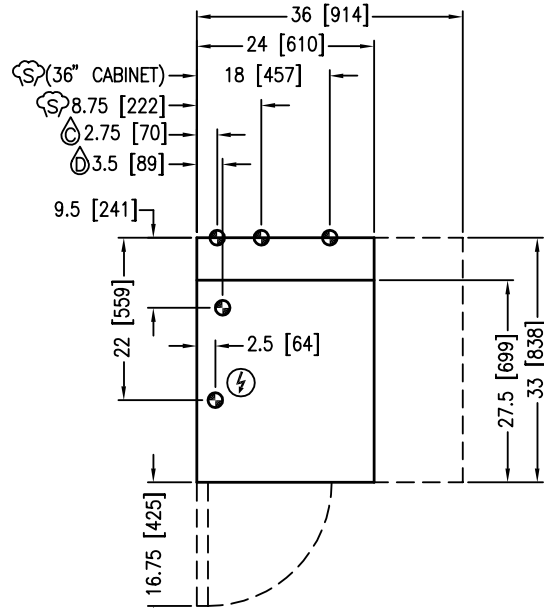
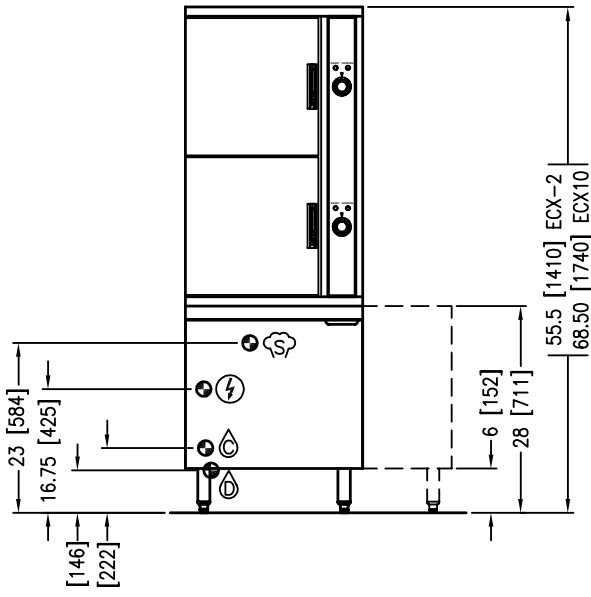
Models:  ECX-2S  ECX-10S



**REAR FLANGED FOOT DETAIL**

2 EQUALLY SPACED  
 $\varnothing 7/16"$  [11mm] HOLES  
 ON 2.5" [63mm] B.C.

MODEL	SHIPPING WEIGHT (24" CABINET)	SHIPPING WEIGHT (36" CABINET)	MINIMUM CLEARANCE	
	ECX-2S	550 lbs. [249 kg]	650 lbs. [255 kg]	SIDES BACK
ECX-10S	575 lbs. [260 kg]	700 lbs. [317 kg]		



**SERVICE CONNECTIONS**

- ⚡ – ELECTRICAL CONNECTION: Rating to be as specified on data plate.
- 💧 – COLD WATER: 3/8" (10 mm) O.D. tubing at 25-50 psi (170-345 kPa).
- 🚰 – DRAIN: 2" (51 mm) IPS piped to open floor drain. No solid connection.
- 🔥 – STEAM TAKE-OFF CONNECTION: 3/4" (19 mm) IPS optional to operate adjacent equipment.

**ELECTRICAL CHARACTERISTICS**

MODEL	AVAILABLE kW	
	STANDARD	OPTIONAL
ECX-2S	24	36, 42, 48
ECX-10S	36	42, 48

kW	PHASE	AMPS PER LINE					
		208V	220V	240V	380V	415V	480V
24	3	66.6	63.0	57.8	36.5	33.4	28.9
36	3	99.9	94.5	86.6	54.7	50.1	43.3
42	3	116.6	110.2	101.0	63.8	58.4	50.5
48	3	N/A	N/A	115.5	72.9	66.8	57.7

**WATER QUALITY STATEMENT**

Water quality is the major factor affecting the performance of your appliance. If you are unsure of water quality, consult a local water treatment specialist and have the water analyzed. Your water supply must be within these general guidelines:

- Total dissolved solids .....Less than 60 PPM
- Total alkalinity .....Less than 20 PPM
- Silica.....Less than 13 PPM
- Chlorine .....Less than 30 PPM
- pH Factor .....7.0 - 8.5

Water which fails to meet these standards should be treated by installation of water conditioner.

**FAILURE OR MALFUNCTION OF THIS APPLIANCE DUE TO POOR WATER QUALITY IS NOT COVERED UNDER WARRANTY. CONTACT SOUTHBEND FOR WATER QUALITY SOLUTIONS.**

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



1100 Old Honeycutt Road, Fuquay-Varina, NC 27526  
 (919) 762-1000 www.southbendnc.com