



## ELECTRIC COUNTER STEAMER

Auto Fill, Auto Drain



R18A-4



☐ R18A-4

### OPERATION SHALL BE BY:

Electrically heated steam generator operating at 0 psi (0kPa) with field replaceable elements rated at 10 kW.

The steam generator shall be equipped for operation on:

- ☐ 208 VAC, 10 kW, 3 Phase, 50/60 Hz \*
- ☐ 240 VAC, 10 kW, 3 Phase, 50/60 Hz \*
- ☐ 220 VAC, 8.4 kW, 3 Phase, 50/60 Hz \*

**\* UNIT SHALL BE FIELD CONVERTIBLE TO SINGLE PHASE**

### STANDARD FEATURES:

- Water Treatment System
- 304 stainless steel exterior
- 316 stainless steel cooking chamber with coved corners
- Heavy gauge stainless steel door with full perimeter gasket
- Positive lock and seal mechanism with spring release door
- Illuminated power switch
- Ready indicator light
- Cooking indicator light
- 60 minute electromechanical timer with end of cycle audible alarm
- Removable stainless steel pan supports
- Electromechanical controls
- 4" adjustable legs
- Drain tempering system for 140 degree temperature requirement (requires 1/2" cold water connection)

### OPTIONS & ACCESSORIES AT ADDITIONAL COST

- |                                                                             |                                                                       |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------|
| <input type="checkbox"/> 380 VAC, 8.4 kW, 3 phase, 50/60 Hz                 | <input type="checkbox"/> Correctional package                         |
| <input type="checkbox"/> 415 VAC, 10 kW, 3 phase, 50/60 Hz                  | <input type="checkbox"/> Load compensating timer                      |
| <input type="checkbox"/> 380/220 VAC, 8.4 kW, VAC, 3 Phase, 50/60 Hz 4 wire | <input type="checkbox"/> High sensitivity level controls (R.O. water) |
| <input type="checkbox"/> 415/240 VAC, 10 kW, VAC, 3 Phase, 50/60 Hz 4 wire  | <input type="checkbox"/> Stacking kit for (2) units                   |
| <input type="checkbox"/> 120 minute timer                                   | <input type="checkbox"/> 28" high single unit stand                   |
| <input type="checkbox"/> Constant steam feature                             | <input type="checkbox"/> 23" high double unit stacking stand          |

### STANDARD CONSTRUCTION SPECIFICATIONS

Shall be a Southbend Steam model R18A-4 (4 pan) counter convection steamer with electric steam generator, c-CSA-us and NSF certified.

Unit shall be constructed of #4 finish 304 stainless steel with a one piece welded 316 stainless steel cooking chamber with coved corners.

The door shall have a removable inner liner of stainless steel with full perimeter gasket seal, an outer liner of one-piece all welded stainless steel, and a positive lock and seal mechanism.

The steamer shall be provided with removable stainless steel pan supports and adjustable leveling feet.

The control housing shall be constructed of stainless steel with a full access removable panel.

The controls shall include an illuminated three way power switch (On / Off / De-lime), a pilot ready light, a pilot cook light, 60 minute

electric timer with audible alarm at the end of the cooking cycle.

Steam flow to the cooking chamber shall be interrupted when the door is opened and shall be reactivated when door is closed.

Standard features include a de-liming port located at the rear of the generator tank, de-lime mode power setting, automatic blow-down valve, solid state liquid level controls and split water connections for simple hook up to a water treatment system (included).

The steamer is constructed so that it may be mounted flush to a counter top or on 4" (102 mm) legs.

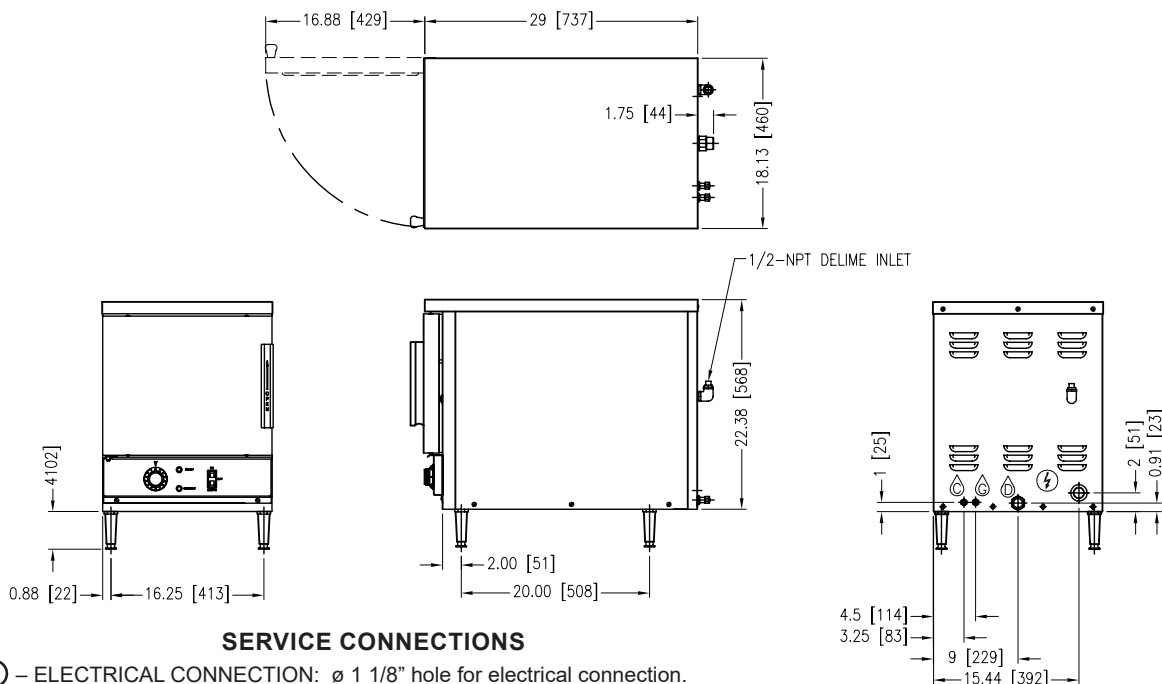
The steamer may also be stacked using a stacking kit.

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



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

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**SERVICE CONNECTIONS**

- ⚡ – ELECTRICAL CONNECTION:  $\varnothing$  1 1/8" hole for 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).
- 💧 – GENERATOR WATER: 3/8" (10 mm) O.D. tubing at 25-50 psi (170-345 kPa).
- 💧 – DRAIN: 1" (13 mm) NPT

**ELECTRICAL CHARACTERISTICS**

MODEL	AMPS/PHASE							
	208V, 10 kW		220V, 8.4 kW		240V, 10 kW		380V, 8.4 kW	415V, 10 kW
	1 PH	3 PH	1 PH	3 PH	1 PH	3 PH	3 PH	3 PH
R18A-4	48.1	27.8	38.2	22.1	41.7	24.1	12.8	13.9

**COMPARTMENT PAN CAPACITY AND SPECIFICATIONS**

MODEL	PAN DEPTH	INCHES	1"	2.5"	4"	6"	SHIPPING WEIGHT	MINIMUM CLEARANCE	
		MM	25	64	102	152			
R18A-4	Total Quantity of Pans		8	4	2	2	172 lbs. [78 kg]	SIDES BACK	0 0

**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.**

