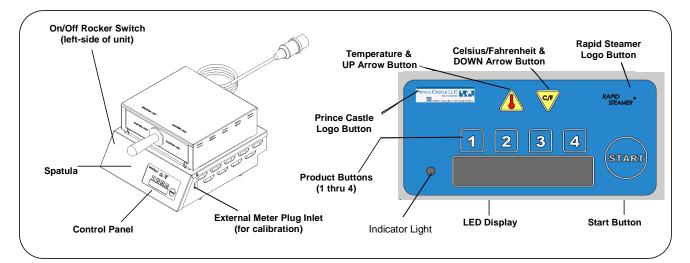
# Operation Manual



# Steamer 625-Series

# **Product Identification**



#### LIMITED WARRANTY

This product is warranted to be free from defects in material and/or workmanship for a period of (2) two years from the date of original installation, not to exceed 30 months from date of shipment from our factory. Any component which proves to be faulty in material and/or workmanship will be replaced or repaired (at the option of Prince Castle, LLC) without cost to the customer for parts or labor. This warranty covers on location service (i.e. trip charges and/or mileage). Travel mileage is limited to 100 miles (200kilometers) round-trip (one-trip warranty) from an authorized service agency or its sub-service agency.

This warranty is subject to the following exceptions/conditions:

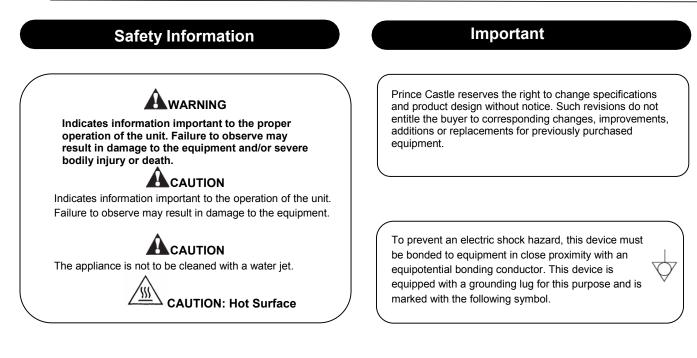
- The warranty does not cover the water tube part no. 625-357S in addition to any consumable items such as gaskets, o-rings and light bulbs.
- The warranty does not cover water containment problems such as foreign material in water lines or inside the solenoid valves due to inconsistencies in water quality.
- Water pressure problems or failures resulting from improper/incorrect voltage supply are not covered under the limited warranty.
- The use of any non-genuine Prince Castle parts voids the warranty.
- The warranty does not include overtime charges or work done by unauthorized service agencies or personnel.
- Damage caused by carelessness, neglect, and/or abuse (e.g. dropping, tampering or altering parts, equipment damaged in shipment, by fire, flood or an act of God) is not covered under this warranty.

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Water Tube Replacement
NOTE: Due to continuous improvement, the unit you received can be slightly different from what is described in this manual.







# Installation

Remove the unit from the carton and inspect for signs of damage. If there is damage to the unit:

- notify the carrier within 24 hours of delivery
- save carton and packaging materials for inspection purposes
- contact your local dealer, or if purchased directly, the Prince Castle Sales Department at 800-722-7853 or 1-630-462-8800 to arrange for a replacement unit.

#### WATER CONNECTION REQUIREMENTS

If this is a new installation, accessory - 625-104S or 625-330S Regulator Assembly Kit is required for the 625-MCDEUC/MCDAUC/MCDNC. The 625-MCDUKC comes with the 625-276S Regulator Assembly. Always use area codes fordetermination. NOTE: When installing this unit, the ambient temperature at the mounting site should not exceed 37.8°C (100°F).

#### CAUTION

All electrical connections must be in accordance with local electrical codes and any other applicable codes.

Plug the unit into an applicable electrical receptacle. Connect the water line to the back of the unit.

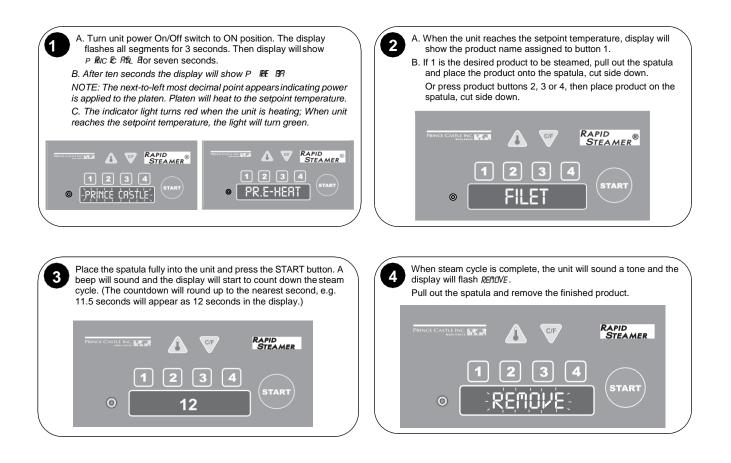
#### CAUTION

Water connection must provide maximum water pressure of 20  $\,$  –30 psi (138-207KPa)

This equipment is to be installed with adequate backflow protection to comply with applicable Federal, State and Local codes.

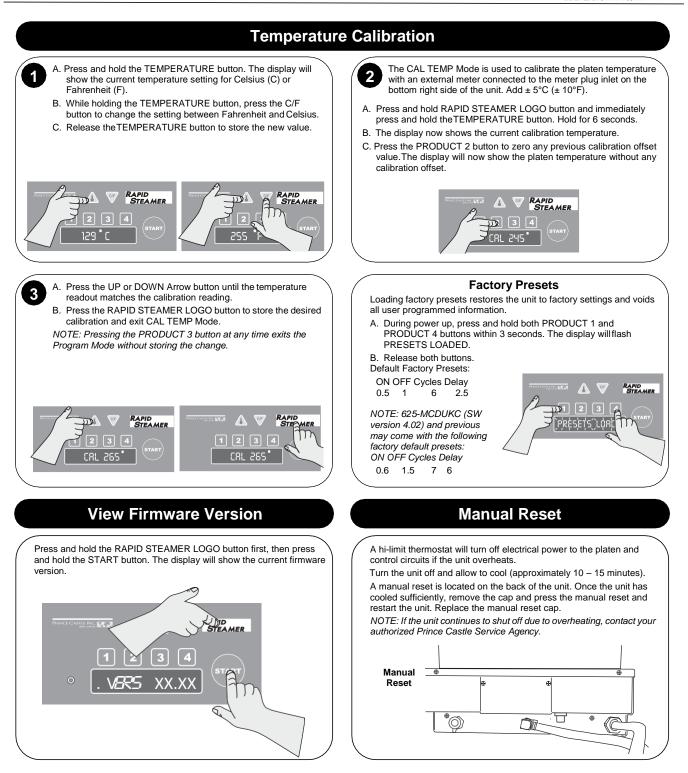


# Operation

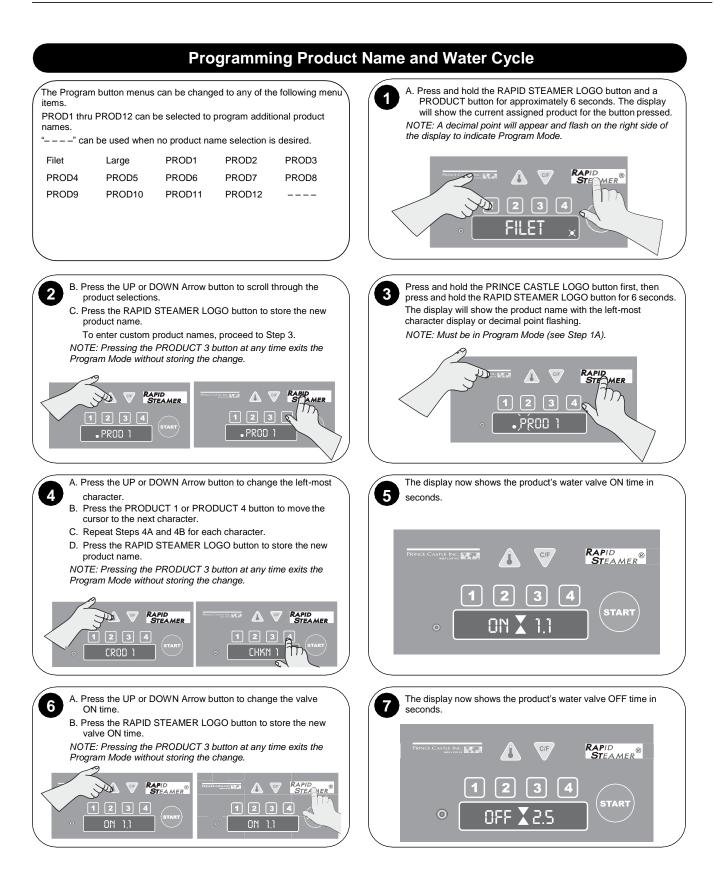


# Steamer 625-Series

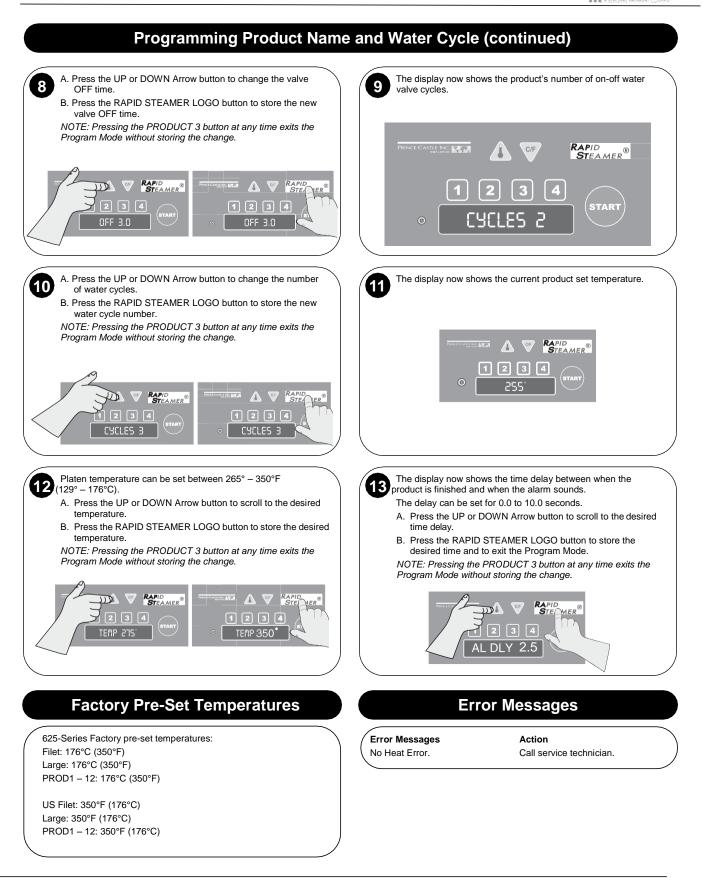




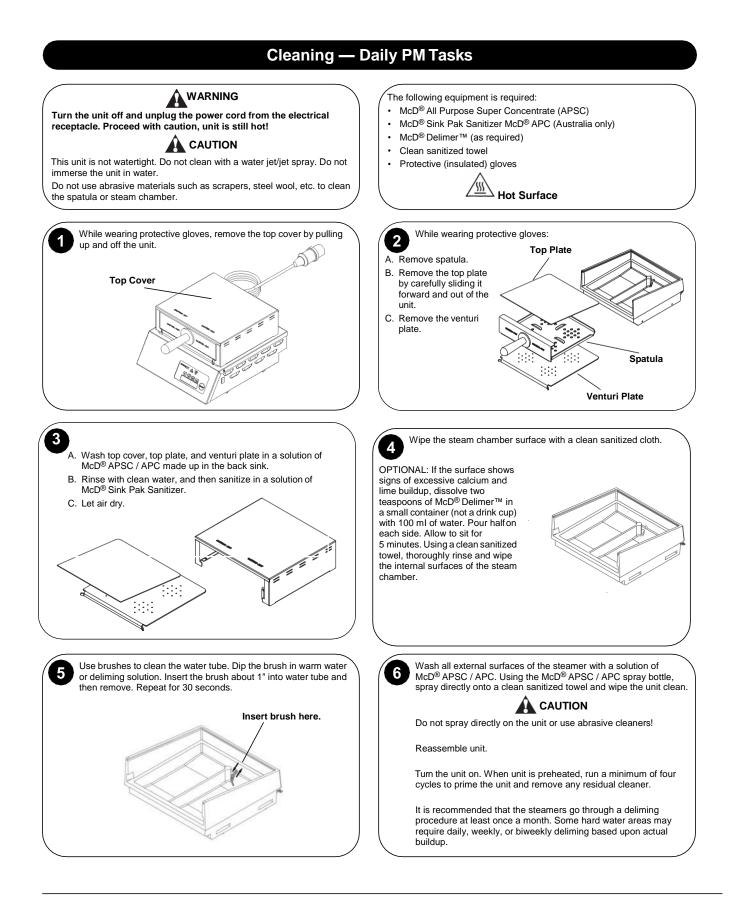




# Steamer 625-Series

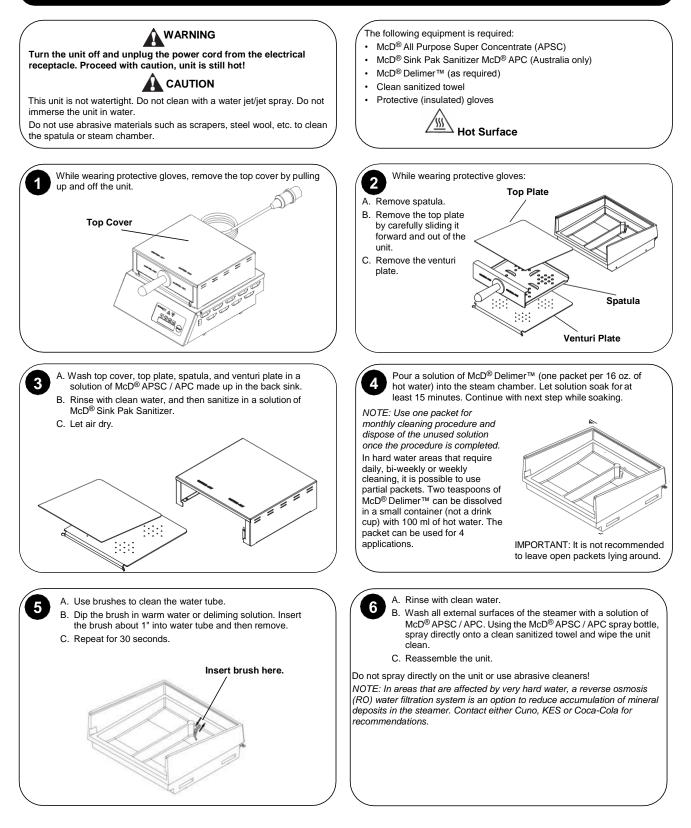








# Cleaning — Monthly PM Tasks





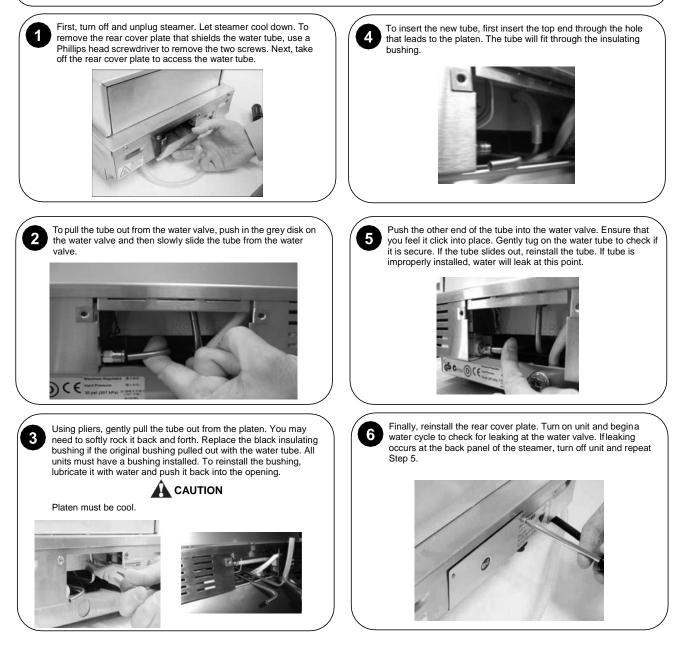
TM

# Troubleshooting Guide

PROBLEM	PROBABLE CAUSE	SOLUTION
Unit will not heat up; "DISPLAY" is lit. On/Off switch is ON.	Loose connections.	Check continuity wiring.
Unit heats up but will not steam. Display reads "REMOVE" at end of cycle.	Water supply is not connected or shut off. Regulator has pressure set too low.	Disconnect water line and check if water is flowing through main water supply. Check water pressure at regulator to ensure unit is receiving water.
	Water delivery tube clogged.	Replace water tube.
	Defective main PC board or water solenoid.	Call service technician.
	Water supply line is pinched.	Straighten water line.
Unit steams continuously.	Defective main PC board or water solenoid.	Call service technician.
Unit is flooded.	Water pressure too high.	Turn input water regulator to between 20 and 30 psi.
	Defective platen, water solenoid or relay.	Call service technician.
Bun temperature is too cold.	Water pressure too low.	Turn input water regulator to between 20 and 30 psi.
	Not enough water CYCLES.	Check for proper programming of Filet steam cycles. Increase number of CYCLES until desired results are reached.
	Water ON cycle too short.	Check for proper programming of Filet steam cycles. Increase ON time until desired results are reached.
	Partially clogged water tube.	Clean/delime the water tube.
Bun temperature is too hot.	Water pressure too high.	Turn input water regulator to between 20 and 30 psi.
	Water ON cycle too long.	Check for proper programming of Filet steam cycles. Decrease ON time until desired results are reached.
	Too many water CYCLES.	Check for proper programming of Filet steam cycles. Decrease number of CYCLES until desired results are reached.
Not enough moisture in bun.	Water pressure too low.	Turn input water regulator to between 20 and 30 psi.
	Platen not hot enough.	Increase platen temperature.
	Water ON cycle too short.	Check for proper programming of Filet steam cycles. Increase ON time until desired results are reached.
	Not enough water CYCLES.	Check for proper programming of Filet steam cycles. Increase number of CYCLES until desired results are reached.
	Water OFF cycle is too short/long.	Check for proper programming of Filet steam cycles. Increase/decrease OFF time until desired results are reached.
	Partially clogged water tube.	Clean/delime water tube.
	Out-of-date buns.	Use fresh buns.
Too much moisture in bun.	Water pressure too high.	Turn input water regulator to between 20 and 30 psi.
	Water ON cycle too long.	Check for proper programming of Filet steam cycles. Decrease ON time until desired results are reached.
	Too many water CYCLES.	Check for proper programming of Filet steam cycles. Decrease number of CYCLES until desired results are reached.
	Water OFF too long/short.	Check for proper programming of Filet steam cycles. Decrease/increase OFF time until desired results are reached.
Water is leaking from behind the unit.	Water tube not properly pushed into valve.	Completely push tube into valve until you feel it click.
	Faulty water valve.	Call service technician.
Bun sticking to spatula.	Spatula cool.	Keep in steamer between uses.
	Spatula surface compromised.	Replace spatula, do not clean with abrasive pad or cleaners.

# Water Tube Replacement

Stores that have harder water in their areas may experience scale buildup in their water tubes, thus clogging the tube and preventing water from being dispensed into the steaming chamber. If the tube needs to be replaced, this sheet will illustrate how to replace the water tube.



Note: Four tubes replacements are supplied with initial purchase for the first year's quarterly tube replacement.

# Prince Castle Bun Steamer

# Model 625-MCD

# Daily maintenance tasks

PR 30 D1	Check water
	pressure and supply line
DD 20 D2	Clean water tuba

PR 30 D2 Clean water tube

#### Monthly maintenance tasks

PR 30 M1 Delime bun steamer

#### Model 625-MCD



# $\Delta$ Hazards

These icons alert you to a possible risk of personal injury.

# **Equipment alerts**

Look for this icon to find information about how to avoid damaging the equipment while doing a procedure.

# C Tips

Look for this icon to find helpful tips about how to do a procedure.

# Check water pressure and supply line

# PR 30D1

Prince Castle Bun Steamer Model 625-MCD

Why

To prevent water damage to internal components of steamer

**Time required** 

0 minutes to prepare

At equipment start-up

Time of day

For 24-hour restaurants: at equipment start-up

Daily

Hazard icons

**Tools and supplies** 



Screwdriver, Phillips

#### Procedure

1 Turn steamer on.



2 Check water pressure. Check the water pressure shown on the gauge on the water regulator. The gauge should show water pressure at 20 to 30 psi (1.4 to 2.1 bar).



3 Check water supply lines. Look at the water supply lines running from the ceiling to the steamer. There should be no kinks or bends in the lines.

> To remove kinks, pull the water line straight.



#### Check for water leaks. 4

2 minutes to complete

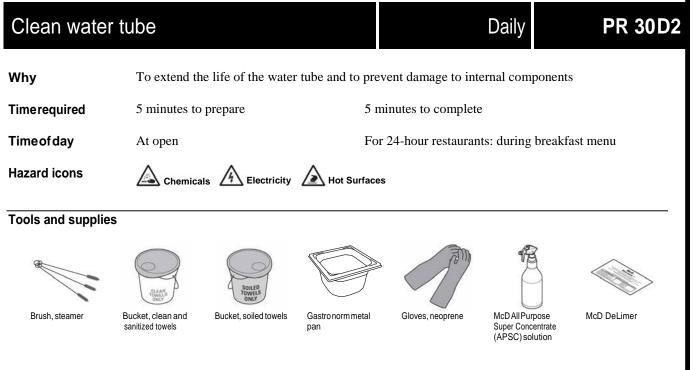
Look for puddles of water on or near the steamer. Puddles can indicate a leak. Check the toaster table shelf, the water regulator, and where the supply line attaches to the water regulator.



A leak will cause a puddle of water near the steamer. Find where the puddle is.

If it is behind the steamer, check the connection between the water valve and tube.

If it is under the water regulator, check the o-ring on the connector.



#### Procedure

**1 Turn off and unplug steamer.** Turn the steamer off. Unplug the unit. Let the steamer cool for at least 5 minutes.

> **Electricity** Unplug the steamer before cleaning the water tube.

Hot Surfaces Do not attempt to clean a hot steamer.

- 2 Remove top cover, top plate, and venturi plate. Put on neoprene gloves. Remove the top cover, top plate, and venturi plate. Take them to the threecompartment-sink for cleaning.
- 3 Wash, rinse, and sanitize top cover, top plate, and venturi plate.







4 Check platen for lime build-up. Look for excessive lime build-up on the platen. That is

build-up on the platen. That is a sign of lime build-up in the water tube.

If you see excessive lime build-up on that platen, mix 2 teaspoons (10 ml) of McD DeLimer solution in  $3^{1/2}$  fluid ounces (100 ml) of water. Pour the solution on the platen. Let the solution soak for 5 minutes.



#### 5 Clean water tube.

Dip the steamer brush into a gastro norm metal pan filled with warm water. Insert the brush about 1 inch (2.5 cm) into the water tube. Brush the tube for 30 seconds.



Daily

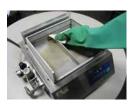
PR 30 D2

continued



# 6 Wipe platen.

Wear rubber gloves if the unit is still hot. Mop the solution from the platen with a clean, sanitized towel. Place the towel in the soiled towel bucket.



Chemicals Sanitizer solution

# 7 Clean outside of steamer.

Wipe all outside surfaces of the steamer with a clean, sanitized towel saturated with McD APSC. Place the towel in the soiled towel bucket.





8 Reinstall top cover, top plate, and venturi plate. Reinstall the top cover, top plate, and venturi plate on the steamer.



**9 Run steamer for 4 cycles.** Plug the steamer in and turn it on. Run the steamer through 4 cycles before steaming buns.



#### Delime bun steamer Monthly **PR30 M1** Why To prevent lime build-up that can be deposited on buns or can damage the equipment **Time required** 5 minutes to prepare 15 minutes to complete Time of day For 24-hour restaurants: during breakfast menu At open Hazard icons Chemicals Hot Surfaces **Tools and supplies** Brush, steamer Bucket, clean and Bucket, soiled towels Gastro norm metal Gloves, neoprene McD All Purpose McD DeLimer sanitized towels Super Concentrate pan

# Procedure

1 Turn off and unplug steamer. Turn the steamer off. Unplug the unit. Let the steamer cool for at least 5 minutes.

Hot Surfaces Do not delime a hot steamer.



Mix one packet of McD DeLimer in 473 to 600 ml (16 to 20 fluid ounces) of hot water in a gastro norm metal pan.



3 Remove top cover, top plate, and venturi plate.

Put on neoprene gloves. Remove the top cover, top plate, and venturi plate. Take them to the threecompartment sink for cleaning.





Wash, rinse, and sanitize top cover, top plate, and venturi plate.

(APSC) solution



# 5 Pour Delimer solution on platen.

Pour the Delimer solution on the platen. Let the solution soak for at least 15 minutes. The solution can be left to soak for several hours.

# 🖸 Тір

If there is a heavy build-up of lime, more than 15 minutes of soaking will probably be required.

#### 6 Clean water tube.

Dip the steamer brush into a gastro norm metal pan filled with warm water. Insert the brush about 2,5 cm (1 inch) into the water tube. Brush the tube for 30 seconds.





PR 30 M1

# 7 Wipe platen.

Wear rubber gloves if the unit is still hot. Mop the solution from the platen with a clean, sanitized towel. Place the towel in the soiled towel bucket.



Chemicals Sanitizer solution

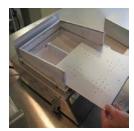
#### 8 Clean outside of steamer.

Wipe all outside surfaces of the steamer with a clean, sanitized towel saturated with McD APSC. Place the towel in the soiled towel bucket.





 9 Reinstall top cover, top plate, and venturi plate. Reinstall the top cover, top plate, and venturi plate on the steamer.



**10** Run steamer for 4 cycles. Plug the steamer in and turn it on. Run the steamer through 4 cycles before steaming buns.

