



• A 21st Century Company . . . with 19th Century Craftsmanship

1125 Lunt Avenue Elk Grove Village, IL 60007-5023 USA

Phone: 847-981-3000 USA Fax: 800-2-SAVAGE World Fax: +847-981-3010 E-mail: info@savagebros.com Web: www.savagebros.com

Full-Automatic Chocolate Temperer with PLC Touch Screen Control



Features

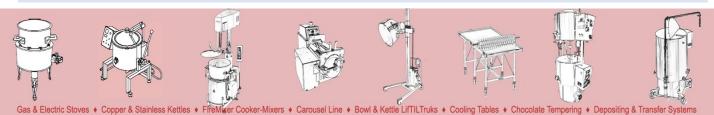
- Tank capacities of 125, 200, 300, 450 & 1,250 LBS
- All stainless steel construction for years of trouble-free use
- Visual touch-screen control of Melting, Cooling & Tempering cycles perfect repeatable tempering!
- · Continually monitor water jacket and chocolate temperatures
- Variable ON/OFF cycles for agitator
- Cooling cycle utilizes external water source, drains heat away from chocolate and out of your chocolate room



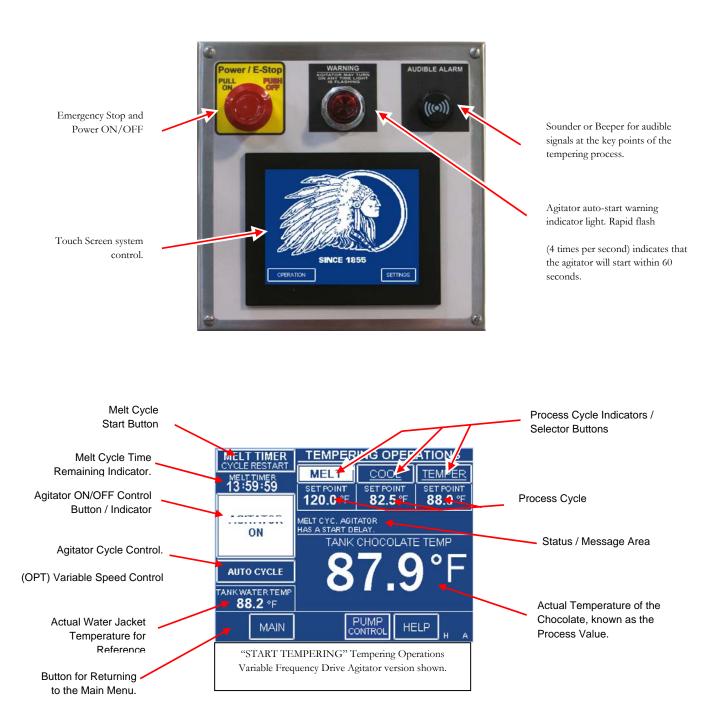


Add-On for Productivity

- · CASTERS available for mobility
- Add TRANSFER PUMP to automatically meter & move tempered chocolate to enrober or depositor
- Add DEPOSITING PUMP to fill moulds or shells multiple nozzle heads available
- Add PRE-TEMPER MELT TANK to increase tempered through-put



COMPONENTS & FUNCTIONS OF THE SAVAGE TOUCH-SCREEN PLC CONTROL





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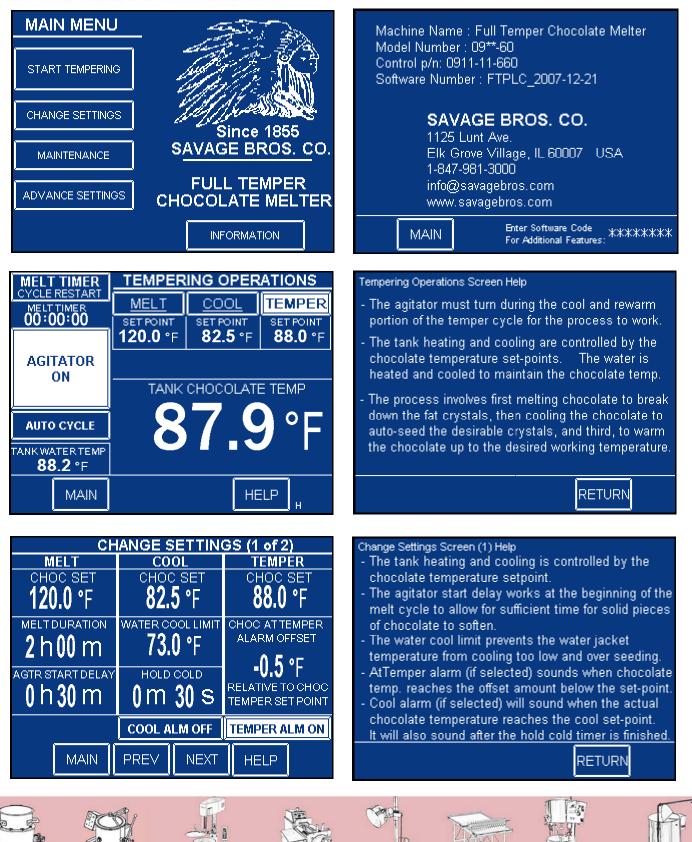
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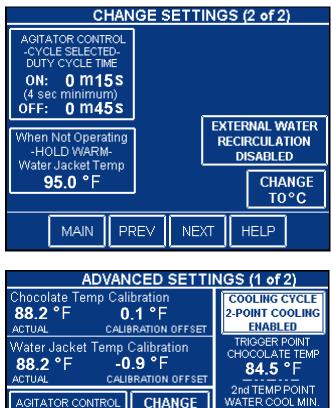


Gas & Electric Stoves + Copper & Stainless Kettles + FreMiker Cooker-Mixers + Carousel Line + Bowl & Kettle LIITILTruks + Cooling Tables + Chocolate Tempering + Depositing & Transfer Systems



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T0°C

SET

TIME

COOL WATER

UPPER LIMIT

TEMP OFFSET

0

RELATIVE TO CHOC

COOL WATER

LOW LIMIT

WATER COOL MIN.

73.0

PREV

0

NEXT

°F

NEXT

ADVANCED SETTINGS (2 of 2)

PREV

MELT CYCLE AUTO

95.0 °F

MELT WATER

UPPER LIMIT

TEMP OFFSET

0

RELATIVE TO CHOC

MELT WATER

LOWER LIMIT

TEMP OFFSET

RELATIVE TO CHOC

MAIN

-0.5

°E

MAIN

START MINIMUM

WATER TEMP

80.0 °F

POWER LOSS

RESUME OPERATION

TEMPER WATER

UPPER LIMIT

TEMP OFFSET

RELATIVE TO CHOC

TEMPER WATER

LOWER LIMIT

TEMP OFFSET

RELATIVE TO CHOC

-2.5

HELP

2 °F

HELP

Change Settings Screen (2) Help - The agitator's duty cycle timer will not function in the cooling cycle or the rewarm portion of the temper cycle. During this time the agitator must operate non-stop. - Hold warm controls the water jacket temperature. R

Advanced Screen (1) Help

- Do not adjust the calibration offset without your supervisor's authorization.

The purpose of the calibration offset is to compensate for the signal from the respective temperature sensor to provide an accurate display of the "actual" temperature as compared against your trusted hand held thermometer.

- 2-Point cooling allows for a faster cool down with a longer residence at the crystalization temperature.
- Agitator start minimum water jacket temperature allows for a solid mass to be agitated sooner.

RETURN

RETURN

Advanced Screen (2) Help

- The tank heating and cooling is controlled by the chocolate temperature setpoint.
- The tank water jacket temperature offsets limit how far above (when heating) or below (when cooling) the water jacket will get away from the chocolate temperature setpoint.
- The cool water low limit temperature is absolute and not relative to the chocolate temperature.

RETURN



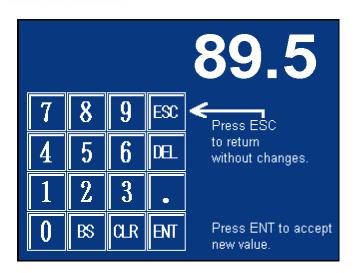
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MAINTENANCE		
Status LID OPEN		
TANK HEATER TEST	AUDIBLE ALARM TEST	AGITATOR LIGHT TEST
TANK WATER FLUSH OFF	External Water Recirculation Valve TEST	AGITATOR TEST
CHOC 88.2 °F WATER 88.2 °F		
MAIN		HELP

Maintenance Screen Help

- Do not start agitator if chocolate is solid in the tank.
 Wait until the tank water temperature is above 95°F.
- If lid switch is installed, agitator will not start if lid is open.
- Tank water flush valve control allows you to toggle on to facilitate the initial filling of the water jacket.
- Do not operate heaters without water in the tank. Damage to the heaters will occur.

RETURN

