



ADVANCED WATERLESS PRIMO TECHNOLOGY VS. OBSOLETE WATER-JACKET DESIGN



THERMAL CONDITIONING TANK

PRIMO 500

A waterless thermal conditioning tank engineered for extreme-temperature process work. Digitally controlled Modified Direct™ heating delivers fast, even, repeatable heat without a water jacket. Built for continuous industrial service. Not hobby use.

- 2-3× Faster Melting
- Waterless · No Water Jacket
- Stainless Steel Lid Included
- Up to 50% Lower Energy Cost
- Built for Continuous Production

[Base platform PRIMO 3000 →](#) · [Category page →](#)

304 SS INTERIOR · 1" DRAIN VALVE

CAPACITY	TEMP RANGE	POWER	INTERIOR	SPRING 2026 BASE PRICE
495 gal / 3500 lb (1874 L / 1597 kg)	32–400°F (0–204°C)	6,630 W	304 SS	\$18,995

Extreme-temperature configuration · Standard PRIMO limit 212°F / 100°C

TECHNICAL SPECIFICATIONS

PERFORMANCE & CAPACITY

Working Capacity	495 gal (1874 L) / 3500 lb (1597 kg)
Operating Temperature	32–400°F (0–204°C)
Standard Limit	212°F / 100°C (non-X)
Heat-Up Rate	2–3× vs. water-jacket
Energy Use	Up to 50% lower

CONSTRUCTION & MATERIALS

Inner Tank	304 stainless, #4 finish
Outer Shell	Impact-resistant steel
Insulation	Energy Star qualified
Interior	Rounded, easy-clean
Material Integrity	US steel, Hg/Pb/rad-free

HEATING & CONTROLS

Heating Type	PRIMO Waterless Heating System
Heating Power	6,630 W
Electrical Service	110–120 V, 220–240 V, 480 V or 600 V
Controller	Digital material-temperature

DISPENSING & SAFETY

Drain Valve	Standard 1" 304 SS
Ball Valve	1" brass or 304 SS
Dispensing	Heated spout, clog-free
Power Switch	Illuminated, resettable
Protection	Reset breaker / fuses

DIMENSIONS



INNER DIMENSIONS	
Inside Diameter	50.0"
Inside Depth	50.0"

OUTER DIMENSIONS	
Length × Width	52.0" × 52.0"
Height	52.0"

ENGINEERED ADVANTAGES



WATERLESS HEATING

No water jacket to maintain, refill, or replace. Less downtime and no corrosion.

EVEN HEAT DISTRIBUTION

Controlled, uniform heating delivers consistent, repeatable production batches.

DIGITAL TEMP CONTROL

Digital material-temperature control holds target temperature for repeatable processing.

RUGGED INSULATED BUILD

304 stainless tank inside an impact-resistant insulated shell, built for long industrial service life.

APPLICATIONS

- Thermal Process
- Chemical
- Specialty Manufacturing
- Coatings
- Adhesives
- Industrial Materials

OPTIONS & ACCESSORIES

Smooth-weld food-grade interior	+\$1,600
Hinged lid + agitator/mixer	+\$1,875
24" SS welded stand	+\$725
SNAP melting-tank wax filter	+\$69.95
Custom configurations & sizing	on request

Spring 2026 pricing, subject to change.
Current pricing at [WaxMelters.com](#)

WHAT'S INCLUDED

- 304 stainless double-walled insulated tank
- Stainless steel lid
- Standard 1" 304 SS drain valve + 1" brass or SS ball valve
- Factory-set digital temperature controller
- Professionally palletized for safe transit