

Ameda® Penguin® Breast Milk Warming System



Safely, Effectively and Consistently warms to
mom's ideal body temperature range every time
With Smart Warming Technology™



Delivering breast milk at ideal temperature* is critical to infant health and nutrition. Breast milk below or above ideal temperature* compromises the nutritional and immunological properties of breast milk.

* Ideal temperature refers to mom's ideal body temperature range.

Here's why Ameda Penguin is the best choice:

- Significantly lower gastric residual in preterm infants compared with when fed breast milk below ideal temperature*.
- Promotes greater feeding tolerance, especially in very low birth weight preterm infants.
- The North American Human Milk Banking Association (HMBANA) advocates warming feeds to body temperature for premature infants, particularly those at risk for necrotizing enterocolitis (NEC).

Only Ameda uses Smart Warming Technology™



- Protects from hot spots
- 360° surround warming achieves ideal temperature*
- Gentle vibration mixes feeds throughout the warming cycle
- **Dual Pouch Therma-Liner** separates breast milk/feed from contact with water in a dry pouch surrounded by a sealed wet pouch
 - This eliminates environmental pathogens that can be introduced in a traditional water bath warming method
 - Blocks airborne environmental pathogens that can be introduced by fan blowing contaminants from the air

Ameda Penguin

VS

Competing Dry Convector Brand

Ameda Penguin is Safe

Smart technology protects breast milk/feeds from hot spots
 Dual Pouch Therma-Liner protects breast milk/feeds from potential contamination
 Protects integrity of breast milk's micro/macronutrients

No active mixing during warming
 Unidirectional heating promotes hot spots
 Requires rolling & shaking of breast milk after warming

Ameda Penguin is Effective

Efficiently and consistently warms to 98°F
 Warmed breast milk/feeds stay warm and don't separate

Fails to reach 98°F

Ameda Penguin Heating is Uniform

360° surround warming achieves ideal temp
 Less potential for ice crystals

Unidirectional heating produces larger temperature variability and ice crystals

Quiet

Ameda Penguin 31dB-35dB

Exceeds the AAP and USEPA maximum recommended noise level of 45dB allowed in the NICU

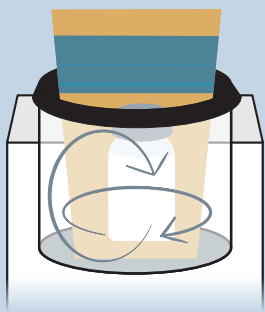


Best in class!

Warmer Comparison Chart

	Ameda Penguin Advantage	Competing Dry Convector Brand	Water in Cup
SAFE			
Effective, even warming and protection against potential water hazards	✓		
Protects breast milk/feeds from air contamination hazards	✓		
Smart technology protects breast milk/feeds from hot spots	✓		
Single patient liner design & IFU - replace every 12 hours	✓	✓	
EFFECTIVE			
Efficiently warms to 98°F	✓		
Warm from refrigerator to feeding temperature	✓	✓	✓
Warm from frozen to thawed temperature	✓	✓	✓
Warm from frozen to feeding temperature in one cycle	✓		✓
UNIFORM HEATING			
360° surround warming for a more uniform and even outcome	✓		
Gentle vibration mixes while warming, eliminating the need for shaking or rolling	✓		
CONVENIENT			
Compatible with containers of all sizes: - Fits breast milk storage containers over 250ml - Can accommodate syringes over 60ml	✓		✓
Quieter than AAP and USEPA recommended noise levels for NICUs	✓		✓
Space-saving four wells for pods or nutritional preparation area/rooms (Ameda Penguin Four Well warmer requires just one AC outlet to power 4 wells)	✓		

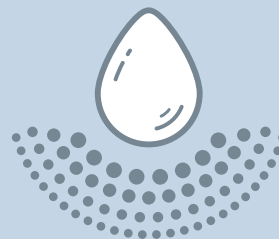
The Ameda Penguin Advantage



360° surround, consistent, low-heat distribution.



Patented Dual Pouch Thermo-Liner System prevents water and air contamination hazards.



Thermal transfer properties of water - the most efficient method of heating.



Gentle vibration technology mixes breast milk/feeds throughout the warming cycle.

Ameda Penguin Products

2-Year
Warranty



**Deluxe Penguin
Nutritional Warmer
Single Well PNW00115**

**Deluxe Penguin
Nutritional Warmer
Four Well PNW00145**

**Therma-Liner™
(6 boxes/50ct/Total 300)
PNWZIP2DCSB**

**Original Penguin
Nutritional Warmer
Single Well PNW00110**

**Perche Shelf
Deluxe & Original
PNWTKSHLV15 &
PNWTKSHLV10**

To Order:

For business-to-business orders and questions, please contact our Ameda CustomerCare™ representatives.

1-866-992-6332 • orders@ameda.com • Hours of Operation:
Monday - Friday, 8:00 a.m. – 5:00 p.m. CST

For questions, inquiries or requests for in-service appointments, contact our sales team at sales@ameda.com.

**For more information
about the advantages of
Ameda Penguin or to view
our products, visit here:**



References

1. Bransburg-Zabary S, Virozub A, Mimouni F. Human milk warming temperatures using a simulation of currently available storage and warming methods. 2015. PLoS ONE 10(6): e0128806. doi:10.1371/journal.pone.0128806
2. Gonzales, Irene & J Duryea, E & Vasquez, E & Geraghty, N. (1995) Effect of enteral feeding temperature on feeding tolerance in preterm infant)
3. Casavant SG, Bernier K, Andrews S, Bourgoin A. Noise in the neonatal intensive care unit: What does the evidence tell us? *Adv Neonatal Care.* 2017;17(4):265-73.

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