

Infant Feed Pasteurisers



PASTEURISATION FOR MOTHERS' MILK facilitates the retention of immunological factors otherwise destroyed by high temperature treatments and is also known to eliminate the HIV (aids) virus.

The Pasteurisers comply with the UK National Health Service, Royal College of Paediatrics and Child Health Guidelines for the establishment and operation of Human Milk Banks. In particular the requirements for rapid cooling defined as the milk temperature drop to 25°C in less than 10 minutes, with a resultant temperature of < 10°C within the pasteurisation cycle and validated accordingly. This should be achieved before transferring to refrigeration.

The S90 TES/S180 TES represent the latest generation of Infant Feed Pasteurisers, co-invented by Professor JD Baum and developed by DJ Colgate with valuable input from Neonatologists, Microbiologists and Dieticians, which have undergone continuous research and development from the early 1980's. New features include: Milk temperature and not the bath temperature display during the entire cycle. Mixed bottle capacity, now 130ml and 250ml can be pasteurised in the same cycle, a separate bottle warming facility as standard and a remote controlled automatic wireless logging system is also available.

Pasteurisers are in use in Children's Hospitals, Special Care Units and Central Milk Banks throughout the UK, Europe and world-wide.

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CARING FOR YOUR BABY



S90TES & S180TES

Infant Feed Pasteurisers



Process Verification: The Sterifeed Data Logger requires no direct connection to a PC. The reading is taken every minute, recording the exact temperature of the milk, time and date. This information is downloaded on to the software provided to give a permanent record of satisfactory treatment for every batch. This can be printed in either graph or list format so that proof of treatment can be provided at any time.

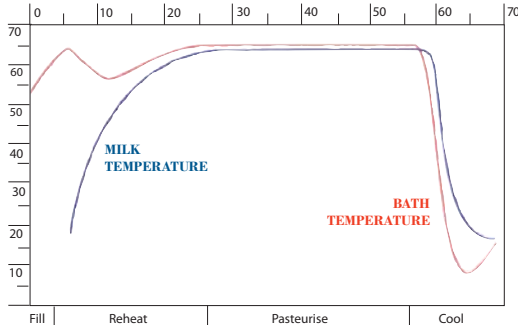
Bottles: The Sterifeed, smooth necked range of clear storage bottles is recommended for use with this equipment. Either an integral seal or an induction safety seal is suitable. These bottles are pre-sterilised for single use but can be re-used using dishwashing equipment with a disinfectant cycle. Other bottle capacities up to a 1litre may be suitable for use with the equipment.

General Features:

- Fully automatic operation
- Programme selection to give specified temperature and times which are normally 63°C x 30 minutes for mothers' milk
67°C x 4 minutes for special feeds
- Rapid, precise cooling of feeds to 10°C in approximately 20 minutes
- Cycle will depend on the temperature of the incoming hot water supply.
- Programme Logic Control (PLC) to facilitate any future changes to time and Temperature
- Visual fault finder

Safety Features:

- Audible and visual alarm for any variations.
- Feeding bottles are submerged during the heating cycle to ensure milk droplets in the neck and cap area receive the same precise treatment as the bulk of the feed (**recommended by the Health Protection Agency & The Human Milk Banking Association of North America Guidelines for the Establishment & Operation of a Donor Human Milk Bank**)
- Bottles are not submerged during cooling process when a vacuum occurs (unless safety seals are in use)
- No residue water traps eliminating equipment sterilisation cycle



Time and temperature graph at 63°C for 30 minutes

Specifications	S90TES	S180TES
Dimensions/mm	600W x 700D x 900H	1200W x 700D x 900H
Chambers/mm	400L x 400W x 250H	400L x 400W x 250H
Electrical	230v/1Ph/50Hz - 2000w	2300v/1Ph/50Hz - 2000W
Full Load Current	9.2A	21.6A
Internal Control Voltage	230v/24v	230v/24v
Capacity	36 x 250ml = 9Litres	72 x 250ml = 18Litres
Harmonized Standards	EN378-2:200, EN60204-1:1998, EN50081-1, EN50081-2	
CE Directives	89/292.EEC, 91/368EEC, 93/44/EEC	
Construction	Stainless steel	

Also available: T30 Semi Automatic Pasteuriser 3 Litre capacity
Guarantee: The pasteurisers are guaranteed against faulty materials and workmanship for a period of one year.



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Compact Infant Feed Pasteurisers



- Bench Top Version
- 3 Litre Capacity (12 bottles 130ml or 250ml)
- Full data logging verification of 'milk' temperature throughout cycle
- Rapid refrigerated cooling to less than 10C°
- Environmentally friendly - no high water volume usage
- No minimum incoming water temperature required

This Compact 3 Litre semi automatic Pasteuriser was designed to facilitate quality control of human milk or special diets. Designed for use by Milk Banks to pasteurise Donor Milk or in Paediatric Dietetic Units as an infection control tool for pasteurisation of Special Diets.

The treated milk meets all UK and international guidelines including controlled refrigeration cooling to 10C° without compromising safety. Fluctuating cold tap water temperatures cannot provide this safety level.

The performance of the T30 Pasteuriser is identical to the larger 9 Litre and 18 Litre Pasteuriser models.

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CARING FOR YOUR BABY



T30 - 12 Bottle Model

Compact Infant Feed Pasteurisers



Dual programme selection to give specified temperature and times which are normally : 63°C x 30 minutes for Mothers' Milk. Rapid, precise refrigerated cooling of feeds to less than 10°C in approximately 30 minutes. Total cycle time is 90 minutes. This will depend on the temperature of the incoming hot water supply and ambient temperature.

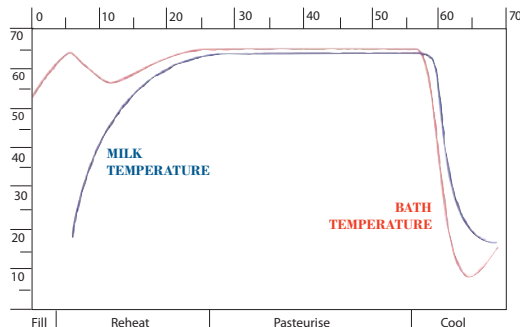
Programme Logic Control (PLC) to facilitate any further changes of time and temperature.

The Sterifeed logger requires no direct connection to a personal computer as a reading is taken every minute, recording the exact temperature of the 'milk', time and date. This information is downloaded on to the software provided to give a permanent record of satisfactory treatment for every batch. This information can be printed in either graph or list format so that the proof of treatment can be provided at any time.

Feeding bottles are submerged during the heating cycle to ensure milk droplets in the neck and cap area receive the same precise treatment as the bulk of the feed.

Bottle are not submerged during cooling, minimizing any possible dilution from aerosols of cooling water when a vacuum occurs. We recommend bottles with 'Foil Seals' (the ultimate safety feature for Milk Banking)

No residue water traps - eliminating equipment sterilization cycle.



Time and temperature graph at 63°C for 30 minutes

Specifications

Dimensions/mm	1100L x 600W x 450H
Electrical	230v 50Hz 2400 watts 11 FLA
Standards	EN60204-1, EN294:1992, AC:1993
CE	89/292.EEC, 91/368/EEC, 93/44/EEC
Bottle Capacity	12 x 250ml = 3 Litres, 12 x 130ml = 1.56 Litres
Construction	Stainless Steel
Guarantee	The pasteurisers are guaranteed against faulty materials and workmanship for a period of 1 year.

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