

Pasteurisers for Donor Human Milk & Special Diets

Sterifeed pasteurisers are in use in Children's Hospitals, Special Care Units and Hospital/Community Milk Banks worldwide, with over 275 pasteurisers running in over 35 different countries. Sterifeed pasteurisers meet all world human milk banking guidelines for the safe treatment of human milk.

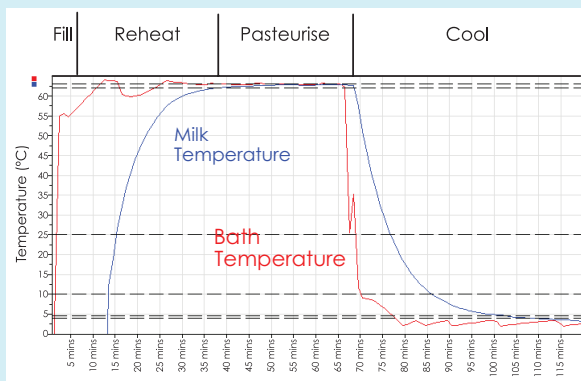
- Fully automatic operation; heating followed by refrigerated cooling
- Heating cycle 62.5°C / 144.5° F for 30 minutes
- Refrigerated rapid controlled cooling cycle from 62.5°C/144.5° F to 25°C/77° F within 10-15 minutes with a final milk temperature of 4°C / 39° F
- SD card, control bottle and probe to measure milk temperature every minute of the pasteurisation cycle for proof of treatment
- Electronic proof of treatment on PC
- Multi lingual control touch screen PLC
- Probe driven to ensure greater accuracy of treatment time and temperature
- Bottle agitation to ensure milk homogeneity
- Bottle defrost and warmer cycle
- Multiple pasteuriser basket sizes for different size bottles
- Changeable water levels for choice of submersion of the bottle on the cooling cycle
- Foil seal bottle option - best practice for treatment and transportation
- No residue water traps, eliminating equipment sterilisation cycle
- Operator friendly
- Stainless steel construction
- Simple installation
- Meets all world milk banking guidelines
- 35 years global market experience



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Time and temperature graph at 62.5°C for 30 minutes

Specifications

Dimensions/mm 603W x 705D x 911H
 Chamber/mm 400L x 400W x 250H – 40 litres
 Electrical 230v/1Ph/50Hz – 2000 watts
 Full Load Current 9.2A
 Electrical Consumption 2.12 kWh
 Internal Control Voltage 230v/24v
 Capacity 9.36 litres (36x130ml, 36x250ml, 96x50ml, 72x130ml with foil seals)

Water Consumption 85 litres
 Noise level 45 dBA@1m
 Heat output during cooling 1.7 kWh

All models are available in 50 Hz

Harmonized Standards BS EN 378-2:2008 & A1:2009
 BS EN 60204-1:2006 & A1:2009,
 BS EN 61000-6-3:2007 & A1:2011,
 BS EN 61000-6-1:2007
 CE Directives 2004/108/EC, 2006/42/EC,
 2006/95/EC
 Construction 97/23/EC
 Stainless steel

Guarantee: The pasteurisers are guaranteed against faulty materials and workmanship for a period of one year.

Greater accuracy of pasteurisation times and temperatures

The control of the pasteurisation cycle was previously achieved by measuring the bath temperature and using this to discern the temperature of the feed in the bath. This can lead to longer cycle times to ensure the various quantities of milk have been treated.

The S90 uses a microprocessor to control the pasteurisation cycle via the ACTUAL temperature of the milk assisted by the external probe in the control bottle. This results in very accurate cycles, both in terms of pasteurisation control and cooling set points. It also is extremely efficient in dealing with load variation.

Process Verification: The Sterifeed SD Card 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. Which 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 sterile for single use but can be re-used using dishwashing equipment with a disinfectant cycle.

Baskets: Flexible Basket options available for all bottle sizes.

General Features:

- Fully automatic operation
- Programme selection to give specified temperature and times which are normally between 62.5°C – 63°C (145.4F) x 30 mins for mothers' milk, 67°C (152.6F) x 4 mins for special feeds
- Rapid, precise cooling of feeds to 4°C (39.2F) 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.

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