

S90/USB

S90/USB Pasteuriser for Donor Human Milk



- ✓ Product Code: S90/USB
- ✓ Fully automatic operation **S1**
- ✓ Refrigerated rapid cooling from 62.5°C/144.5°F to 25°C/77°F within 10-12 minutes and a final milk temperature of 4°C/39.2°F **S3**
- S11** Capacity - 36 x 130ml/250ml Bottles
72 x 130ml Bottles with foil seals
- S8** 72 x 100ml Bottles with foil seals **S9**
96 x 50ml Bottles with foil seals
36 x 120ml Glass Bottles
36 x 240ml Glass Bottles
- ✓ Multiple pasteuriser basket sizes for different size bottles, 50ml, 100ml, 120ml (glass), 130ml, 240ml (glass), 250ml bottles **S14**
- S5** ✓ Stainless steel construction, easy clean
- ✓ Bottle defrost and warmer cycle
- ✓ Foil seal bottle option - best practice for safe treatment and transportation
- ✓ Probe driven Pasteuriser to ensure greater accuracy of treatment time and temperature
- ✓ Multilingual control touch screen which gives a detailed visual of activity so the user can view progress of the cycle
- ✓ Operator friendly with step by step instructions displayed on control touch screen
- ✓ Electronic proof of treatment, touch screen displays final results and cycle data can be transferred via USB to milk bank computer **S4**
- ✓ Adjustable water levels to enable full submersion or part submersion of bottle and cap **S3**
- ✓ No residue water traps

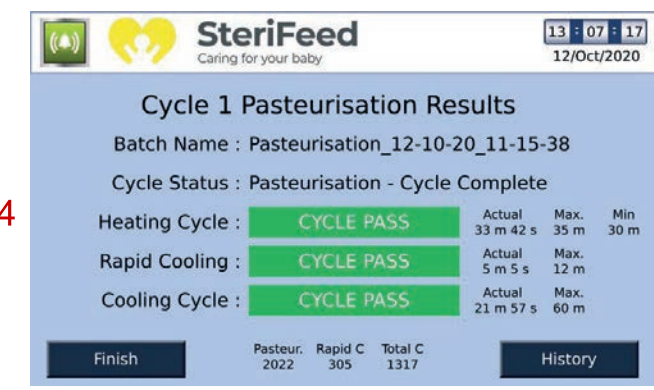
- ✓ Cleaning cycle
- ✓ Simple installation and easy to use
- ✓ 35 years global market experience
- ✓ Meets all world milk banking guidelines
- ✓ Global market leader
- ✓ 500 Pasteurisers running in over 60 countries

Technical Specifications listed on Pages 8-9

S90/USB



Operator friendly touch screen PLC



S4

S13

Final results and cycle data displayed at the end of pasteurisation

Greater accuracy of pasteurisation times and temperatures:

S4

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/USB 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 is also extremely efficient in dealing with load variation.

S12

Process Verification

A time and temperature reading is taken every 15 seconds, recording the exact temperature of the milk, time and date. The pasteurisation results are shown on the touch screen at the end of the cycle. This information is downloaded onto the USB to give a permanent record of satisfactory treatment for

S13

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 are recommended for use with this equipment. SteriFeed bottles are rigid and have been specially designed for pasteurisation so as to not collapse in the pasteurisation cycle. Either an integral seal or an induction safety seal is suitable. These bottles are sterile for single use but can be re-used using dish washing equipment with a disinfectant cycle. With the option of single or reusable bottles available from SteriFeed.

Baskets

Flexible Basket options available for all bottle sizes. See pages 12 - 13.

General Features

- Fully automatic operation
- Programme selection to give specified temperature and times which are normally between 62.5°C - 63°C (145.4°F) x 30 mins for mothers' milk, 67°C (152.6°F) x 4 mins for special feeds **S3**
- Cycle time will depend on the temperature of the incoming hot water and cold water supply
- Programme Logic Control (PLC) to facilitate any future changes to time and temperature
- Visual fault finder

Safety Features

- Audible and visual alarm
- Rapid refrigerated cooling with a final milk temperature of 4°C/39.2°F to minimise the regrowth of bacteria in accordance with the NICE - UK Guidelines **S2**
- Fully submerging bottles during the heating process to ensure the entire bottle is treated (as previously 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).
- Electronic data verification of the milk temperature to ensure proof of treatment in accordance with the HMBANA - North American Guidelines **S4**
- No residue water traps