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BELDICO PA 45

Water-free pasteurisation automate

Beldico
group



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Water-free pasteurisation automate

In its research for a continuous improvement of hygiene in the field of infant feeding, Beldico has developed a new concept of mother milk pasteurisation. It has created a complete automatic device which offers an electronic-controlled water-free pasteurisation of mother milk and formula milk. This new dry technique eliminates the risks of transmission of germs into the bottle.

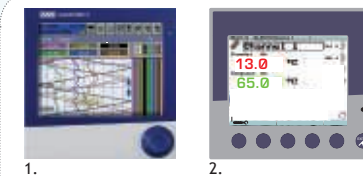
Flexible structure and capacity

- 3 independent heating blocks make it possible to choose between a pasteurisation up to 14, 28 or 42 bottles.
- The Beldico PA 45 can offer a maximum capacity of 5 040ml in 120 ml feeding bottles or 10 080 ml in 240 ml feeding bottles.
- As the heating blocks are independently regulated, mixed bottle capacities (120 ml and 240 ml) can be pasteurized in the same cycle.
- For the same reason, pasteurisation of smaller quantities of milk (30 ml, 50 ml,...) is also possible and easy.
- The total pasteurisation cycle, including heating-up, pasteurisation and cooling processes, with 3 blocks, takes about 2 hours.

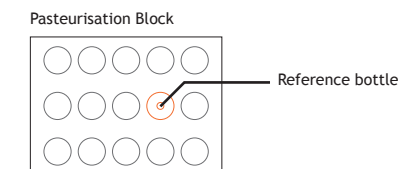


Processor

- The Beldico pasteurizer is equipped with a multi-channel process and program controller. This control device is based on a continuous reading of max. 7 probes, which ensures a correct temperature regulation during the complete pasteurisation cycle.
 - > In each of the 3 blocks, a «reference bottle» controls continuously the milk temperature and drives the pasteurisation process.
 - > 3 probes continuously control the temperature of the heating blocks.
 - > 1 probe continuously controls the temperature of the cooling liquid.
- This consistent temperature control guarantees repeatable, comparable and hygienic conditions.
- The Beldico PA 45 proposes a predefined pasteurisation cycle that can be adapted by the user to his specific requirements (e.g. 30 minutes by 63°C) and offers, after the heating cycle, an automated and rapid refrigerated cooling (<10°C)
- The pasteurizer can be started up immediately, without any heating-up procedure.
- When the machine is started-up, there is an automatic auto-check of all the parameters.



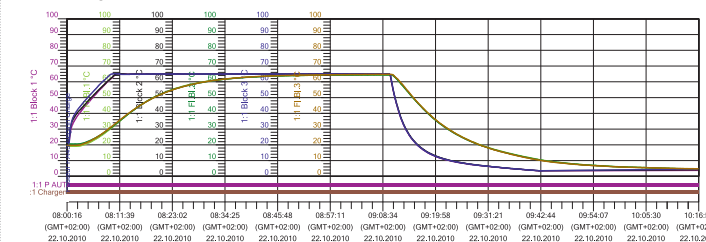
1. Writer (for display of data)
2. Control system (control and programming unit)



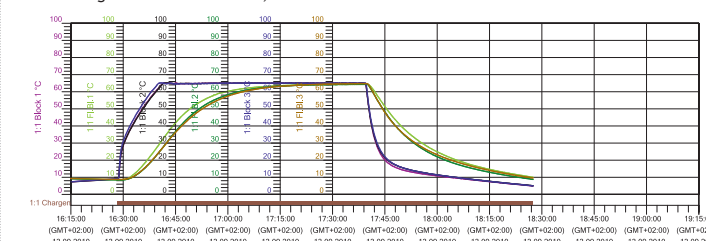
Data Recording

Cycle reports are automatically generated by the Beldico PA45, as the device is provided with a paperless integrated recorder. It allows instant recording of the milk temperature, with time and date. The data can then be downloaded on to a software, transferred to PC via interface and Ethernet or printed in different formats.

Batch diagram 42 bottles 240 ml, 3 blocks



Batch diagram 42 bottles 120 ml, 3 blocks



1. USB-Host for exchange of data (measured data, configuration data, user lists) between screen writer and PC.
2. CompactFlash®-Slot for the exchange of data (measured data, configuration data, user lists) between screen writer and PC.
3. Control-LED glows when CompactFlash®-memory card is accessed.
4. Ejector for the CompactFlash®-memory card.
5. USB device for communication with the set up program or PC.