



The new generation in milking save labour and increase udder health

Automation is the first choice to ensure consistent milking procedures and a high milk quality. Furthermore, it also reduces labour and time and decreases the chance of possible human error.

The Apollo™MilkSystem developed by GEA offers the combination of these benefits. This innovative product incorporates patented technology to automatically apply post-dip, through the head of the liner at the end of milking, and automatically backflush after detach – facilitating a superior milk harvesting process.

The Apollo™MilkSystem ensures that cows are dipped completely and consistently at every milking. It applies post-dip to each teat through the head of the liner while the teat is still under vacuum and stretched out in the liner, optimally covering the teat surface with dip and sanitising the area before its exposure to the external environment. This ensures a reliable and accurate dip application by avoiding human errors while shortening the work process.

Through its automatic backflushing component the Apollo™MilkSystem prevents the spread of bacteria from cow to cow through the milking unit. After the post-dipping of each cow, every teat cup on the Apollo™MilkSystem is automatically backflushed with a sanitising solution after unit removal. Backflushing reduces the risk of mastitis-causing bacteria being transferred between cows by 95% and can also reduce the risk of subclinical mastitis, thereby improving overall milk quality and the mammary system health of a herd.

System benefits of the Apollo™MilkSystem include:

- A patented milk safety valve which keeps teat dip and backflush sanitiser from the milk supply.
- Customisable and adjustable settings for post-dip and backflush.
- Flexible design that fits into most current parlour set-ups.
- Easy-to-use software to measure and monitor teat dip usage.
- Trusted and reliable support from GEA.

The Apollo™MilkSystem is the right solution for all dairy producers that want to:

- Increase their parlour throughput.
- Reduce their labour costs.
- Reduce the probability that one sick cow infects the whole herd and thus minimise the mastitis risk.
- Improve udder health and thereby protect their final products.
- Standardise and simplify the work process and reduce stress.
- Control the amount of dip used.

The Apollo™MilkSystem was adapted for numerous parlour configurations and is available with several combinations of parlours and hose supports.

contact@gea-farmtechnologies.com



Automatic industrial milking for your benefit

Up to today, the most successful dairies in the industrial dairy segment are milking with conventional milking systems. With DairyProQ, this has changed.

With the experience of the first pilot installations, customers now have a good understanding of the advantageous product features and concept of DairyProQ: This system allows consistent high level production quality with reduced labour in the milking parlour. Thus, dairies can better focus on growth and productivity with their existing staff.

DairyProQ is not only a product but a general holistic concept. All parts, barn and animal logistics layout, feeding, hygiene solutions, service, training of staff, herd management, and working plan layout have to go hand in hand.

However, state-of-the-art technology alongside a good concept cannot be enough to be the customer's first choice. The key question is: How does GEA ensure the customer's success? Together with lead customers and internal and external dairy farming experts, GEA has developed a smart and controlled customer support concept. Key elements of this approach are:

- Introduction process in matured pilot markets with the focus on Germany, Netherlands, Belgium, United Kingdom, United States, and Canada in 2015.
- Consulting customers to make the right choice – does the system fit to my farm and management style.
- Ensuring suitable service partnership by assessment and development programs for service partners and dealers respectively.
- Start-up concept focused on centralised responsibilities: GEA Build-Up team which leads installation and commissioning, GEA site management which coordinates the building process, GEA herd management consulting.
- Service with emphasis on reliable processes: 24/7 hotline, tools for automated diagnosis of components, service optimised design for remote service during operation.

This ensures that change for the customer is easy to manage and the new process is reliable and sustainable right from the start. That this approach works well is shown by our installations in the pilot markets with herd sizes from 500 to 1,500 cows milking three times a day, which is heading stepwise to big industrial farms with 3,000 cows milking three times a day. At the same time, GEA experts are active worldwide and will initiate the market introduction for further countries in 2016. With this smooth and holistic customer support for DairyProQ, GEA leaves nothing to chance to take the lead in automated industrial milking.

contact@gea-farmtechnologies.com

engineering for a better world