



Herringbone parlour milking systems

The efficient system built with your business in mind





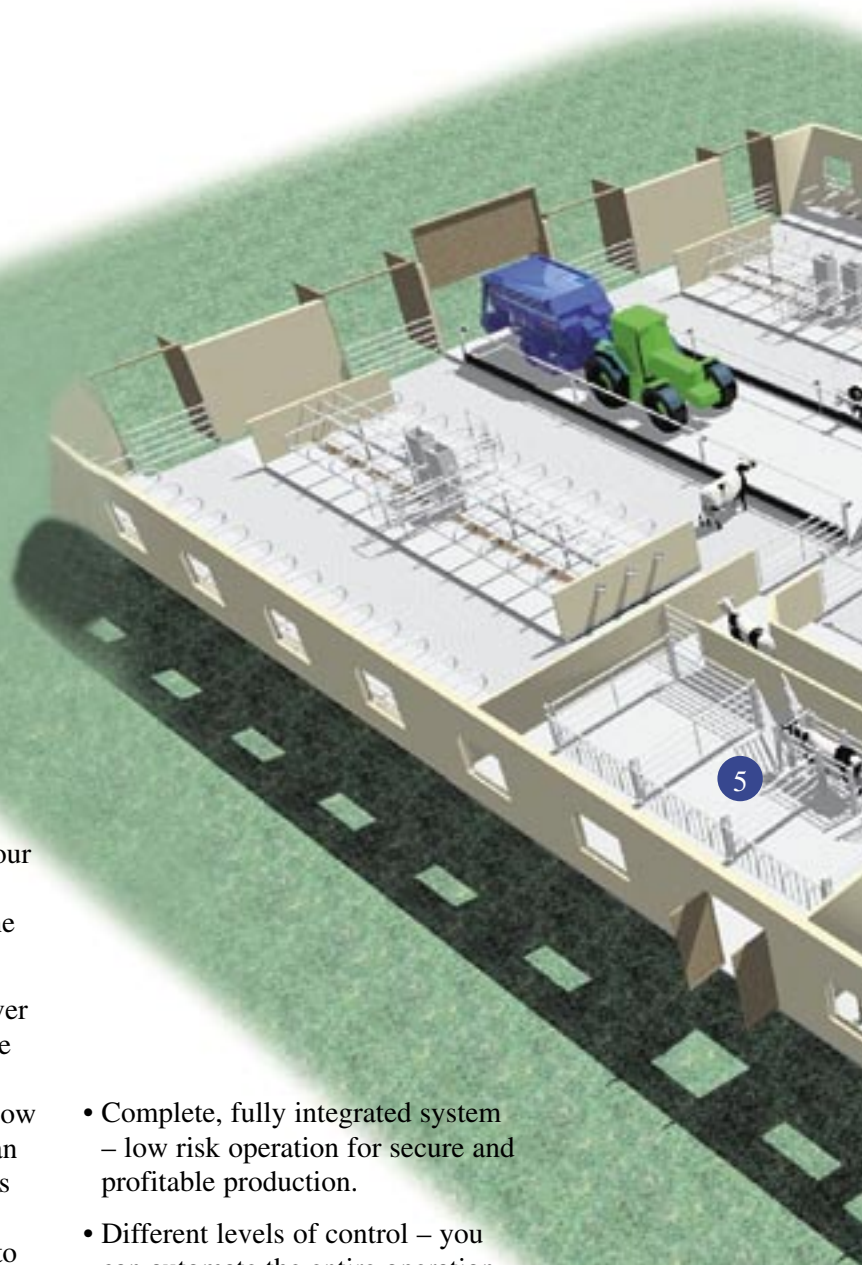
Herringbone parlour milking systems

Introducing one of the most labour effective batch milking parlours available today – the herringbone parlour milking system.

This is the system that will deliver high throughput and efficient use of labour through its capacity to promote calm and harmonious cow traffic. Consequently, milkers can work without stress and spend as little time as necessary assisting the cows. And you will be able to spend less time in the parlour, and more time on other tasks around the farm and with the family.

The herringbone milking system also supports shorter milking sessions. This means that cows can spend more time eating, drinking and resting, and hence achieve higher milk production.

- Complete, fully integrated system – low risk operation for secure and profitable production.
- Different levels of control – you can automate the entire operation or selected parts of the milking operation.
- A wide range of options that you can choose from to customise the system according to your specific needs.
- You can depend on our service program to support you all the way.





1. Milk room
2. Machine room
3. Parlour
4. Collecting yard with DeLaval cow mover
5. DeLaval sort gate



Isn't it time you invested in a high-profit milking system?

To be as competitive as possible in today's tough market situation, you need to be sure you are investing in the best. One of the most critical resources for any farming business is an up-to-date milking system.

Undoubtedly, your business will rely on the milking system, day in and day out, for years to come.

The right system will ensure you the highest levels of milk quality and productivity – factors that are crucial to success. It will also enable you to earn profits, both now and well into the future.

That's why you should choose a system that features the highest quality and cutting-edge technology. At the same time, you need to be sure that the system you are investing in is designed to cater to the physiological demands of your animals.

High throughput, high efficiency systems that make for good business

The herringbone parlour milking system is modular, which means that it supports a range of possible combinations to suit individual demands, needs and requirements.

It is also the system that carries the highest stamp of quality. Only the most efficient and reliable components are selected. And every little detail has been incorporated to ensure a smooth and continuous milking process, and the highest labour efficiency in the parlour.

All in all, when used in accordance with specifications, this system will deliver high quality milk, considerable timesavings and an environment conducive to better productivity and output. Certainly these are reasons why it makes good sense to invest in a DeLaval herringbone parlour milking system.

Combining high level comfort and ergonomics in one outstanding system



The herringbone parlour supports fast and efficient cow traffic.

It takes a deep-rooted understanding of the natural physiology of cows, together with years of dedicated study to be able to develop a system that fulfils every milking criteria and business need, a system that incorporates the highest quality and most advanced technology to produce performance and profits.

The herringbone parlour milking system will provide you with the perfect environment for your milking operations, allowing you to achieve profitable milk production.

DeLaval herringbone parlour 30° and 50°

These parlours prioritise smooth traffic, flexibility and comfort. Moveable breast rails ensure smooth loading and gently position the cow close to the milker for optimal udder visibility and access. Wide cow passages allow rapid exit when the milking is over.

The herringbone parlours make milking easier for all involved.



DeLaval herringbone parlours 30° and 50° allow for easy reach and an ideal view of the udder.

Tailored to your needs

DeLaval herringbone parlour milking systems are highly flexible and modular, which means that it can be adjusted to suit the needs of your herd. This flexibility assures continuous smooth cow traffic and good milking performance.

The pit floor for your comfort

DeLaval adjustable floor is a hydraulically operated pit floor that has been designed to provide express comfort. The floor is highly flexible and offers optimal working conditions for milkers.



DeLaval adjustable floor enables you to adjust the height according to the milker's needs.

Simplified cluster operation

The cluster is held within easy reach – its close proximity and a good view of the udder makes attachment a simple and hassle-free procedure.

Peace of mind for milkers

DeLaval herringbone parlour milking systems ensure good cow positioning in relation to the milking equipment and the milker. The protective rump rail and overall design provides additional peace of mind, enabling milkers to concentrate on the task in hand. They stay alert throughout the operation, which reduces tiredness and the risk of work-related injuries.



Maintaining an ideal traffic flow in your parlour

DeLaval cow mover

Calm and continuous cow traffic before and after milking is important for maintaining work efficiency. DeLaval cow mover takes charge of the cows in the collecting yard and ushers them forward and into the parlour.

Cows are moved forward without electric pulses. This makes them remain much calmer so you have a more relaxed environment to work

in. The cows have plenty of time to move forward without being pushed. And should a cow be touched, the gate will stop immediately and re-start automatically.

The gate then reverses over the cows so that a new group can enter. Dual control boxes provide you with full control from both the parlour and the collecting yard and therefore ensure complete safety.

DeLaval sort gate

On exiting the parlour, the cows will pass through the DeLaval sort gate. This gate has been designed to enable you to quickly separate cows needing special attention. The big advantage with DeLaval sort gate is that the cows can be separated without ever disturbing the main flow of traffic.



From the collecting yard...

...to the parlour.





Milking clusters designed to bring out the best in your cows



Cows enjoy the perfect fit of Harmony Plus™ and milkers appreciate its well-balanced ergonomics. Fitting this cluster is second nature.

Physiology and technology in perfect harmony

The milking cluster is the only real point of contact between cow and machine. As such, you cannot be too careful in selecting the right cluster – one that will suit both the physiology of your herd and the demands of your business.

Milking clusters that will suit your needs perfectly

DeLaval parlour milking systems offer you the flexibility of choosing from a number of different cluster options. The range comprises:

Harmony®, Harmony Plus™, DeLaval cluster TF360 and DeLaval cluster HCC150.

Harmony clusters

The Harmony range includes both Harmony® and Harmony Plus™. These clusters are so revolutionary in concept and design that they are setting the standard the world over.

Harmony clusters are lightweight and made of high quality material to deliver excellent milking performance.

The well-proven design combines gentle teat treatment with high flow



Harmony®

characteristics. The clusters provide optimum massage of the teats as well as minimise teat end impact and vacuum fluctuations. Moreover, Harmony clusters enable high-yielding cows to maintain their

udder health and high-quality milk production.

All of these features help to simplify handling and speed up attachment.

Attaching Harmony clusters will be a simple, natural procedure for milkers and will take much of the strain out of their daily work.

Harmony Plus™

Research has shown that most cows have their front teats located further apart and higher up than their rear teats. The breakthrough design of Harmony Plus™ reflects this difference with an asymmetric claw that ensures a perfect match to the natural shape of a cow's udder.

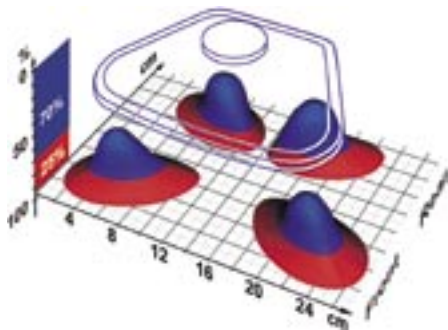
Harmony Plus™ fits most cows perfectly and its unique design ensures less slips and fall-offs.



Harmony Plus™ provides optimum stimulation of the teat so as to heighten milk production. It also helps keep udders and herds healthy.

A recent study conducted revealed milkers worked approximately 20% faster as a result of better milking performance.

Furthermore, the fact that Harmony Plus™ is so lightweight takes a great load off milkers.



The 3D chart shows the result of a survey on teat locations on a range of cow breeds. The data clearly show there is a difference in the distance between front and rear teats. Harmony Plus™ is designed to cater for this difference.

DeLaval cluster TF360

DeLaval cluster TF360 is designed to provide high flow capacity and a stable vacuum level, thereby ensuring good udder health and improved milk quality.

Incoming milk is evenly distributed over the claw base and is extracted through the specially formed centre pipe into the milk tube. In this way,

the minimum air gets to the milk, thereby safeguarding the quality of the milk.



DeLaval cluster TF360

DeLaval cluster TF360 incorporates a proven liner design with minimum teat end impacts and vacuum fluctuations. This liner design supports good udder health and helps you attain superior milk quality.

DeLaval cluster HCC150

DeLaval cluster HCC150 is suitable for lower yielding herds and short milking hours. It has been designed to provide stable vacuum conditions, efficient liner movement and optimum cluster position.



DeLaval cluster HCC150

Breakthrough liner technology

DeLaval liners are developed according to the cow's physiology and the suckling motion of the calf.

The thin, elongated lips allow the liner to closely follow the contour of the teat, which means that the teat is not squeezed at the end of milking. Consequently, milk flow is not impaired.

DeLaval liners are designed to milk out efficiently and hygienically. To maintain their high quality and consistently top results, we strongly recommend that you replace your liners with original DeLaval liners at the stipulated replacement times.



A choice of milking points to suit your requirements



ALPRO® Windows* herd management means reliable herd data analysis.



DeLaval activity meter helps provide control of your herd's breeding.



ALPRO® processor is dedicated to continuously providing real-time information.

With DeLaval herringbone parlours you can tailor the milking point to suit your needs. From the basic parlour to the most automated version, DeLaval can personalise your parlour to suit you.

ALPRO® – the professional herd management tool

ALPRO® is a totally integrated system for monitoring and controlling milk production on a dairy farm.

Every hour of every day in every year – ALPRO® controls feeding, records milk yields, monitors cow activity and provides you with immediate access to crucial information. This system provides information support through herd health maintenance, feeding, breeding and even future planning.

DeLaval milking point MP100

Built for smaller herd needs, the DeLaval milking point MP100 provides reliable milking equipment without high automation. Well-established functions – like pulsation – are tailored to smaller herd installations and can be configured with Duovac® flow controlled milking.

DeLaval milking point MP400 with automatic cluster take-off

DeLaval milking point MP400 monitors milk flow and ensures automatic cluster take-off at the right moment. DeLaval can also provide optimal herd settings, to further prevent the possibility of teat damage and poor udder health.

The milking point MP400 encourages milk flow from attachment to release via an electronically controlled pulsator – for fast milking and good udder health.

The combined components are based on solid field research and testing. They incorporate simple installation, higher productivity, greater reliability, first-class hygiene and an improved working environment.

Professional dairy farm management requires an automated system that gets the job done – efficiently and effectively – while growing with your business.



DeLaval milking point MP400 ensures automatic cluster take-off at the right moment.

* Microsoft® Windows™ is a registered trademark of Microsoft Corporation, USA.

**DeLaval milking point MP700.
High level automation puts
you in full control**

The DeLaval range of milking equipment is second-to-none and the MP700 is no exception.

All the components are enclosed in a stainless steel cabinet, ensuring parlour noise reduction and greater durability.

DeLaval milking point MP700 reduces walk time – by incorporating gate control – and can record accurate milk volume via linkage with the DeLaval milk meter MM15 or MM25.

You have immediate access to the cow database and all herd management functions, providing real-time solutions.

**DeLaval milk meters.
Your solution to reliable
and simple recording**

Recording daily milk yields is primary to fine tuning your herd and keeping it healthy. Recording results help you adjust parlour conditions and provides essential input for long-term herd improvement.

DeLaval offers milk meters and milk indicators to compliment all milking points. These range from milk yield indicators – for overall production and feeding management – to full ICAR-approved milk meters that detail cow management.



DeLaval milking point MP700 provides you with immediate access to your herd's database.

DeLaval has a range of milk meters to suit individual requirements.

Systems that ensure the highest quality milk flows from your parlour



DeLaval cleaning unit C200 automatically cleans your milking system.

Packed with cost-saving features for decreasing water and detergent consumption, the easily installed units require minimal operational space.

DeLaval is always at hand to provide you with expert advice and professional support. We also have a wide range of powder and liquid detergents to ensure your parlour as clean as possible.

The areas of the milking system that have the greatest effect on overall milk quality are cleaning, cooling and vacuum flow. These are essential to maintaining top quality and therefore do not leave any room for compromise.

DeLaval cleaning unit C200 and C100E.

Effective cleaning at the touch of a button. It is vitally important that your parlour is thoroughly cleaned after each and every milking. This is a key factor maintaining high quality milk. Effective cleaning means having full control of several different parameters – like water temperature, detergent concentration, mechanical force and cleaning duration. Trying to manage these parameters manually takes time and is prone to error.

DeLaval cleaning units solve this problem automatically, utilising a safe and simple operation procedure.



Quiet and direct-driven, DeLaval vacuum pump DVP generates a reliable vacuum and cuts maintenance and energy costs.



DeLaval cooling tank for fast, efficient milk storage.

Stable vacuum you can depend on

A stable vacuum pump is one of the most important milking system features, because effective operation depends on it. DeLaval vacuum pump DVP is a direct-driven vacuum pump, delivering smoother, quieter vacuum flow and reduced service. Noise levels can in fact be reduced to a low 72 dB!

DeLaval vacuum pump DVP is built to deliver more suction per KW – saving energy – and uses less running oil. Also, DeLaval vacuum

pump oil assures good lubrication in all temperatures, aiding the pump's effective operation and lifespan.

You save money and milking-related headaches, with DeLaval vacuum pump DVP.

Cooling. For quality milk and energy savings

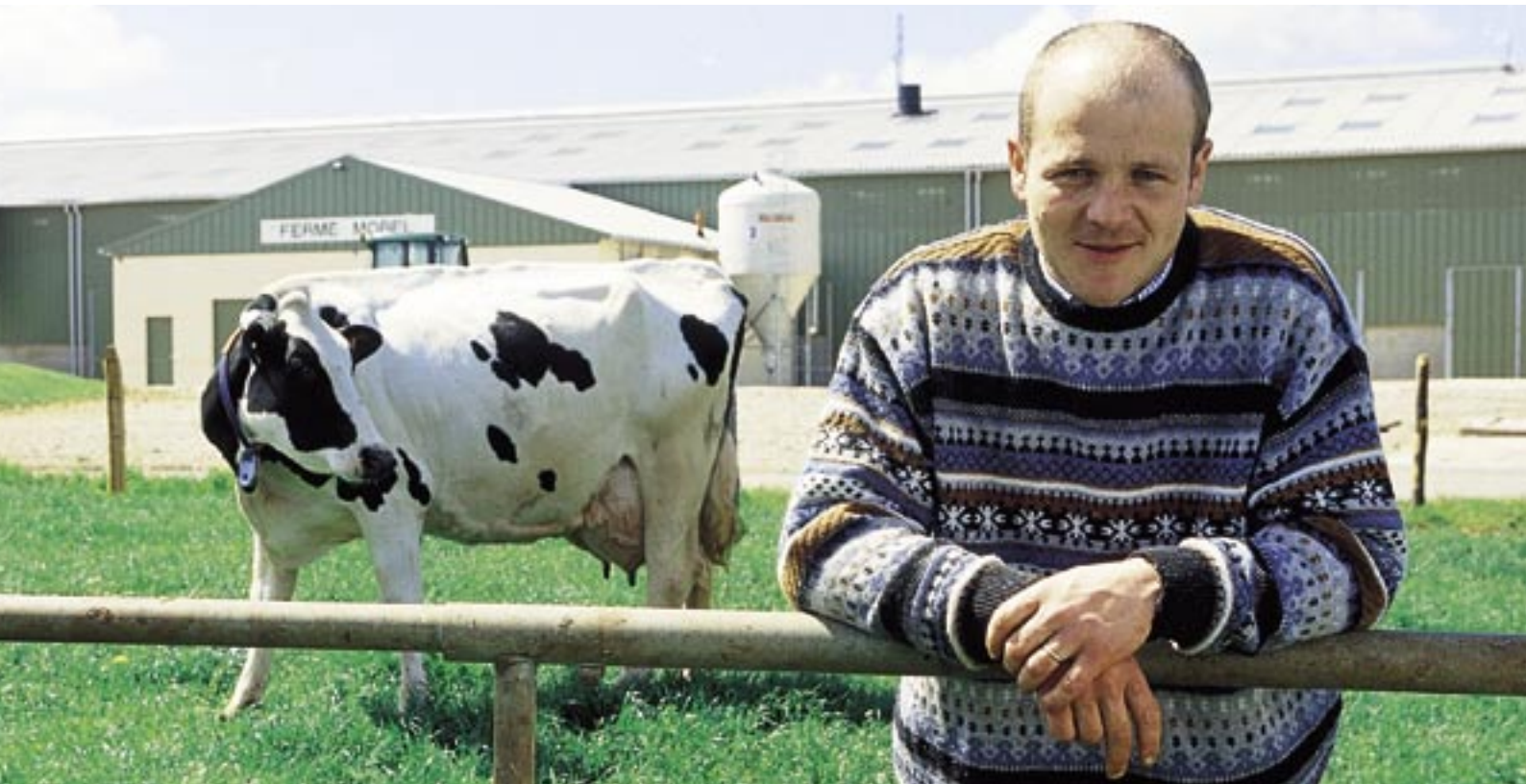
Milk has a natural resistance to bacteria after extraction. The only sure method for retaining milk quality – while controlling micro-organism' growth – is rapid cooling.

DeLaval cooling tanks adhere to

this fact, providing a constant storage temperature of 4° – 6°C.

In addition, direct expansion technology helps cut energy consumption, whilst the integrated control unit provides convenient automatic cleaning.

Herringbone parlour milking systems



Serving you even better

You and your herd depend on your milking system to be working day in and day out, all year round. Hence, we have developed a service programme that covers all aspects of after-sales service and support, including a comprehensive preventive maintenance scheme.

Most importantly perhaps, you have the assurance that all our service engineers are highly trained and dedicated to their profession. They come to you equipped with original spare parts and committed to keeping your DeLaval parlour milking system working at peak efficiency.

DeLaval parlour milking systems are the proven, effective way to raise the quality and productivity of your dairy operation. Undoubtedly, their perfectly matched, quality components work in complete harmony to create the ideal climate for both cow and milker.