

DeLaval Parlour Range

A System Approach

A man in a blue DeLaval uniform stands in a dairy parlour. He is smiling and has his arms crossed. A large blue ribbon graphic curves around him, containing the text 'IT ALL REVOLVES AROUND YOU'. The parlour is filled with blue hoses and equipment.

**IT ALL REVOLVES
AROUND YOU**

 **DeLaval**

IT ALL REVOLVES AROUND YOU

Throughput is the fast lane to profitability: if you want to achieve smooth cow-flow and fast milk let-down, cows must feel relaxed in the parlour. Our extensive research and development helps ensure a fast, efficient and thorough milking process from the moment your cows enter the milking parlour until the moment they leave.

DeLaval offers a range of parlours that are adapted to the needs of you and your farm. Every parlour is designed so you and your animals are comfortable and safe at all times.

At DeLaval, we help you achieve fast throughput by helping to ensure cow traffic runs smoothly, milking equipment performs optimally, and that milking is fast and effective. In this way, you can maximise throughput and milk yield, while minimizing costs per litre of milk.

With the help of our parlour range, dairy farmers around the world are producing high quality milk, effectively – parlours that are reliable with a proven track-record.



**The more
relaxed the cow,
the faster the
cow-flow.**

PARALLEL PARLOUR

DeLaval P100



A parlour that is not only easy to operate, but easy to plan and install, easy to maintain.

DeLaval P100 parlours are modular and able to fit into the footprint of your existing barn or new build. So if you're looking for flexibility, as well as the latest in milking technology, we're sure there's a P100 to suit your plans.

Ideal solution for **MidiLine farms**

Perfect parlour for **retrofit farms**

Straight rump rail or specially designed butt pan with gutter options

Modular design **easy to fit** your space

Up to **45%*** less surface to be cleaned

Cow and milker **comfort**

Space saving conventional exit

Suspended sequence gates and adjustable breastrail for **better farm operation**

Compared to parallel parlour with fast exit

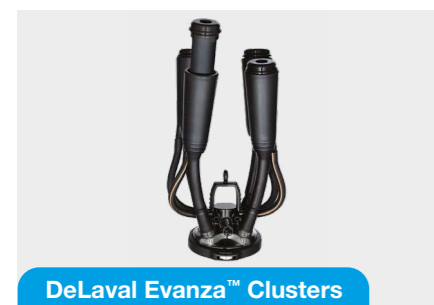
DeLaval does not claim that these results are typical and this information does not constitute a warranty nor guarantee of service. Actual performance and improvement will depend on a number of factors, including prior milking practices, type of cows, farm and herd maintenance practices.

KEY FEATURES

DeLaval EasyMilk™

Whether you're looking for a swing over or a double up, the P100 is optimised for ease of operation and milker comfort with its wide alley, comfortable milking position, specially designed butt pan and high visibility from the pit.

Compatible with state-of-the-art DeLaval Eanza™ clusters, system connected InParlour Feeding and DeLaval Flow-Responsive™ Milking your P100 can help you extract more milk, in less time whilst unlocking more efficient, less stressful routines for milkers.



DeLaval Eanza™ Clusters



High Visibility



InParlour Feeding

DeLaval EasyFit™

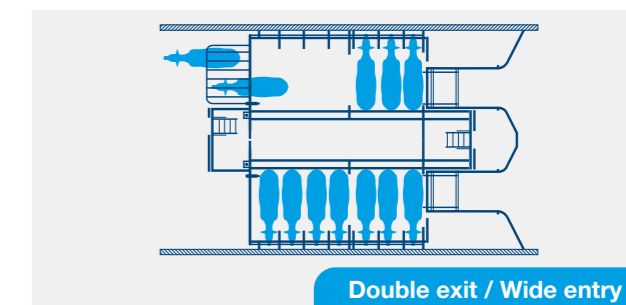
DeLaval P100 parlours are modular and able to fit into the footprint of your existing barn or new build. With 1x3 to 2x40 options, designing a P100 to fit your space is easy. Speed up your milking time and make life easy in your brand new or retrofitted milking environment.



Modular Design - 1x3 to 2x40 sizes available

DeLaval EasyFlow™

Featuring a wide entry and double exit, cows move smoothly through the P100, and with its adjustable breastrail and sequence gates clearly defining the space for each cow, parlour loading is seamless, so your cows stay comfortable and relaxed.



Double exit / Wide entry

PARALLEL PARLOUR

DeLaval P2100



With the flexibility to match your herd, farm and budget.

DeLaval P2100 is ideal for family farms and operations with expanding herds. DeLaval P2100, with its swing-up exit, gives you the flexibility to tailor a parlour that matches your needs: for your herd, your barn and the way you work. Even the neck-rails can be adjusted to accommodate different cow types and sizes.

Extra wide entrance lane

Comfortable cow position

Quick entry, easy turning. Fast loading of cows

Adjustable to herd size

Strong robust parlour

Easy to operate and clean

Buttpan with kick-off protection

Sliding entrance gate for cow comfort and operator safety

Excellent cow comfort thanks to neck-rail design

Gang-Exit™, Gang-Index™, All-Exit™, All-Index™ and Exit plus™

KEY FEATURES

FastFlow

The wide entrance lane with sliding entrance gate encourages faster loading of cows. The well designed front exit creates generous space from the rump rail to the sequence gates. This makes it comfortable and easy for cows to turn into their milking place.



Easy Parlour Access

SwingUp - Open Bottom Neck-Rail

Uniquely designed with an understanding of how cows move - entering in a natural position, not having to lift their head above a bar or into a frame. This means fast loading - and higher throughput. They are also fully-adjustable to accommodate different cow types and sizes.



Natural Position During Milking

Gang-Index

Air-powered indexing - gently but firmly positions each cow for consistent indexing, better udder prep and more comfortable attachment. Saving the operator time whilst also providing more comfort and greater safety. Fully adjustable to find comfort and performance balance.



Duplex Cylinder for Indexing

ComfortPlace

The natural position continues through the exit. There is no need for any cow to lift their head above a barrier while exiting. This makes for fast exiting and high throughput. Exiting of all cows on each side with one push of a button also helps save operator time.



Natural and Comfortable Exiting

PARALLEL PARLOUR

DeLaval P500



The most advanced parallel parlour we have ever created. Get Ready for Synchronized Milking.

The DeLaval Parlour P500 represents the most significant evolution of parallel parlours. It is more than just a series of little changes – it represents a whole new approach to the task of milking.

When everything works together your milking system delivers the smoothest, calmest, most complete process from entry to exit. That's why we call it synchronized milking.

Designed for **24/7** operation on medium to large farms

Quieter milking environment*

3 cow flow control options

Up to ***56%** reduction in exit cycle time with DeLaval SynchroSweep™

Robust, low noise, light weight sequence gates made from industrial HDPE material

ZERO obstructions at cow exit

100" (2540mm) max ceiling height requirement for DeLaval SynchroArc™

Up to ***30%** reduction in overall platform width

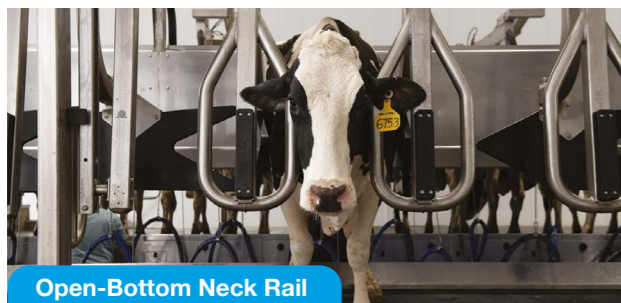
Cow Comfort Sequence Gates removed during milking

* Data collected on test farms and pilot farms. Data compared to DeLaval Champion. Results may vary and are not guaranteed.

KEY FEATURES

DeLaval SynchroArc™

DeLaval SynchroArc™ is so much more than an open-bottom neck rail with no obstructions. It has been designed to increase milking routine efficiency with a smaller footprint and fewer vertical space requirements.



Open-Bottom Neck Rail

DeLaval SynchroSweep™

DeLaval SynchroSweep™ is the best sequence gate we have ever developed. Its independently controlled, non-overlapping sequence gates deliver a quieter milking process, improved cow flow and comfort, and can be removed during milking, reducing stress on cows and equipment.



Non-Overlapping Sequence Gates

DeLaval SynchroControl™

DeLaval SynchroControl™ provides more technology, more functions and more information so that your parlour can be operated safely, comfortably and efficiently.



Control at your Fingertips

One Touch Exit

With Exit Plus, the entrance gate, DeLaval SynchroSweep™ and DeLaval SynchroArc™ are controlled automatically.

This fully automatic process means that the milker can focus getting ready to milk the next group.



Automated Exit Sequence

DeLaval HB50

DeLaval HB50 offers even better cow positioning, operator comfort and durability. Optimal cow positioning, closer to the milker, makes it safer and more comfortable to milk, while increased size of key components has added to the overall strength and life of the parlour.

DeLaval HB50 can fit many existing layouts, making installation simple and economical. The conventional exit from DeLaval HB50 doesn't need a wide building in order to fit so it is ideal for renovating your existing HB30 or tandem building. It allows you to fit more stalls to milk your herd faster without having to completely rebuild. Conventional exit also allows you to install feed mangers for in-parlour feeding.

Ideal for retrofit installations

Wide entry improves cow flow

Strong and durable design

Excellent milker comfort

Conventional exit saves building space

Cows are milked through the rear legs

Perfect cow comfort and cow visibility

Compatible with DeLaval MidiLine™ Swingover System

KEY FEATURES

PerfectProcess

We have stall sizes to suit Jersey and cross breed cows. With improved nutrition and breeding the average size of cows continues to increase. A new parlour stall needs to cater for cow size increases over 15 to 20 years. DeLaval HB50 stall has 800mm and 760mm cow center spacing to give bigger cows high comfort, while still offering a comfortable two metre wide pit.



PerfectMix

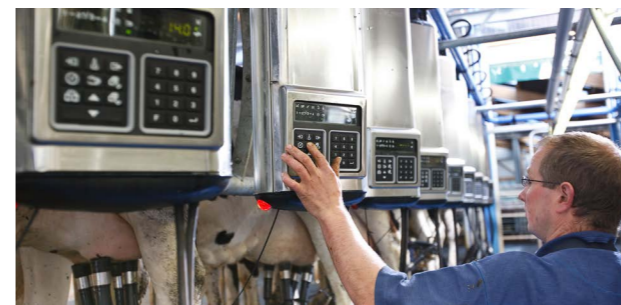
DeLaval HB50 is already renowned for its durability but now it is even stronger because the stall's rump rail and frame components are made from heavy duty steel tubing. An optional suspended beam frame adds further strength and longevity. This stronger beam frame gives added rigidity for bigger parlours, and is optional for smaller ones.



PerfectComfort

Operator safety is prioritized in DeLaval HB50. With no posts between the cows, there's no risk of the milker's arm being kicked against a post. With the cow close to the pit and the kick rail closer to the cow, the udder is easy to reach. This speeds up cluster attachment while

reducing the risk of back strain, and there is less chance of the cow kicking back. A heavy, galvanized steel pit edge with a blue plastic edging is now standard in DeLaval HB50. This creates a warm, soft surface for the operator to lean against or to move along.



DeLaval swing over system - MidiLine™ ML3100

Parallel or Herringbone - DeLaval MidiLine™ can easily be fitted on new or existing parlours - for an economical and cost-effective swing over solution.

- Cost-effective and cluster efficient
- Modular design for flexible and fast installation
- Swing over arm for good cluster alignment

Excellent
milker
comfort

Strong
and durable
design

Conventional
exit saves
building
space

Get more done with DeLaval MidiLine™ ML3100

High-end design. Top-tier efficiency

The sleek, ultramodern lines of the new DeLaval MidiLine™ ML3100 are a reflection of its advanced farm management capabilities. In other words, not only is it a pleasure to look at, but because it's packed with timesaving options, it's also a pleasure to work with.

Easy to use

The entire Parlour range is compatible with our state-of-the-art DeLaval Eanza™ clusters. Designed to help you extract more milk, in less time whilst unlocking more efficient, less stressful routines for milkers.

Easy to maintain

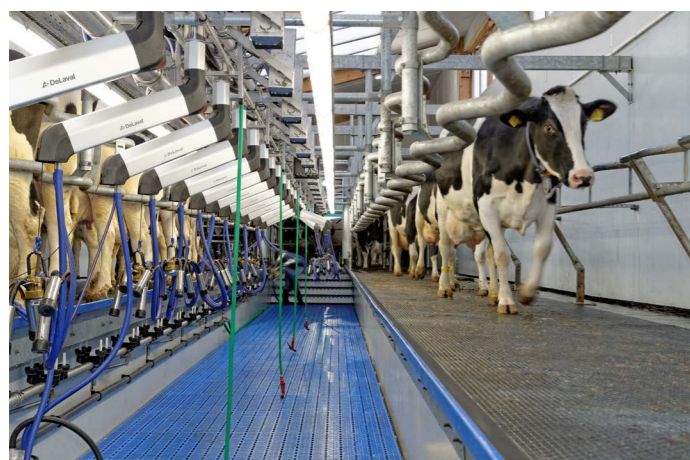
The design of the swing-over arm helps fast and easy maintenance. With plug-and-play replacement of wearing parts, you can finish routine maintenance tasks in a matter of minutes. DeLaval ML3100 is also easy to keep clean thanks to its sleek housing.

More management – more cows

Many farmers are increasing the size of their herds. Others simply want to reduce milking times. Whatever your needs, DeLaval MidiLine™ ML3100 – with its wide choice of farm management options – can help you get more done faster. With DeLaval ML3100, you decide on the level of management automation that suits you. As your herd grows, you can increase the level step by step: from automated cluster removal, to full integration with DeLaval DelPro™ Farm Manager.



ADD VALUE WITH AUTOMATION



DeLaval MidiLine™ ML3100

With DeLaval MidiLine™ milking systems, you can add automation as you go.

With DeLaval MidiLine™ milking systems, you can add automation as you go, from simple take off automation with ML2100, to full herd management connectivity with ML3100, the choice is yours.

Automations made easy with DeLaval MidiLine™

- DeLaval ID system automates cow identification, collects data and registers actions.
- Milk metering provides accurate yield recording for individual cow management
- Sort gates identify and sort cows based on herd management decisions
- Automatic DeLaval body condition scoring

BCS identifies incorrect feed balance

- Automated feeding reduces labour and optimises feed utilisation
- Activity metering enables 24/7 automated heat detection
- DeLaval DelPro™ Farm Manager provides the overview needed for making daily management decisions

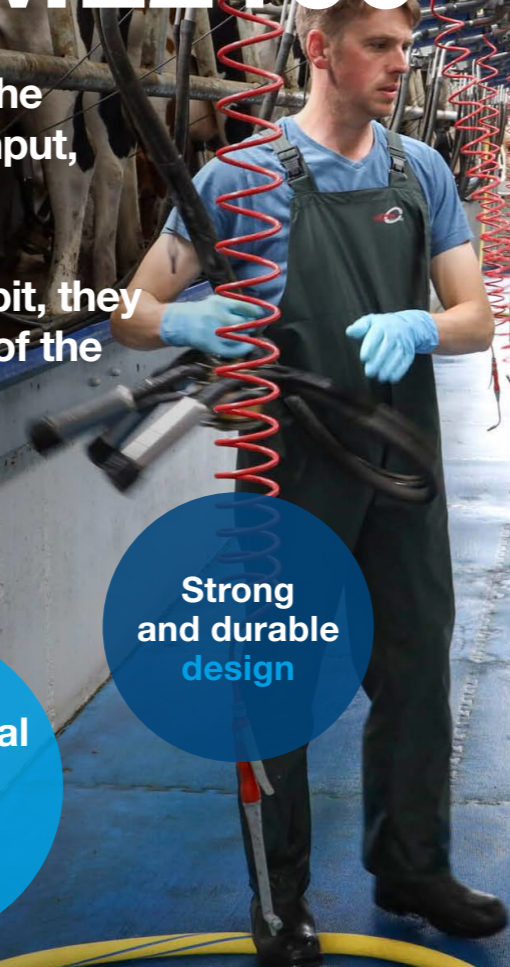
DeLaval swing over system - MidiLine™ ML2100

DeLaval MidiLine™ ML2100 is the ultimate low input, high throughput, batch milking system. It makes maximum use of each cluster – positioned in the middle of the pit, they swing over to serve both sides of the parlour – very cluster efficient.

Excellent
milker
comfort

Conventional
exit saves
building
space

Strong
and durable
design



Get more done with DeLaval MidiLine™ ML2100

Reduced labour costs

Herd management helps with the daily work and gives a good overview of all the data you need to lead the herd and increase profitability. An automated, animal-specific milking and feeding system reduces the workload. The automated cleaning system is perfectly tailored to the requirements of milking technology.

Reduce outlay

With a swing-over system, you get high cluster utilisation, enabling faster payback on your investment.

Fast and efficient milking

- Cows enter smoothly, settle quickly, present well and exit quickly

With excellent positioning of the cow, you can achieve a high degree of worker and cow comfort. The Swing-Over-Arm improves comfort and effectiveness. It provides clearance in the milking pit and helps to position the milking unit better on the udder.

Customised automation

- You decide the level of automation that suits you!

Whether it is a milk level meter, an automatic milking unit (ACR), or a milking place controller with full access to the herd management system, the MidiLine system can be perfectly tailored to your needs. The DelPro™ herd management system also enables the automatic feeding and sorting of cows, automated milking systems and monitoring of milking.



ADD VALUE WITH AUTOMATION



DeLaval MidiLine™ ML2100

DeLaval MidiLine, the entry-level swing-over parlour that makes automation affordable

FEATURES

Standard features include

- Fully ISO compliant
- Future proof upgradeability
- CIP cleaning

Technical Data

- Available for parlour types and sizes:
- Herringbone HB50 2 x 4/4 to 2 x 40/40
- Herringbone HB30 2 x 4/4 to 2 x 16/16
- Parallel P2100 2 x 4/4 to 2 x 40/40
- Parallel SBS 2 x 4/4 to 2 x 12/12

Optional features include

- Choice of 4 Milking points: MP150-MP580-MP680-MP780
- Swing over arm for efficient cluster alignment
- Full herd management package
- Milk metering with DeLaval MM27BC, MM15 or MM6
- Flow indication with FI7
- Flow sensing with HFC and FI2
- Comfort start for Milking point
- DeLaval automated feeding system
- DeLaval automatic cleaning units with C50, C100E or C200
- Plate heat exchange for pre-cooling milk

DeLaval Flow-Responsive™ Milking

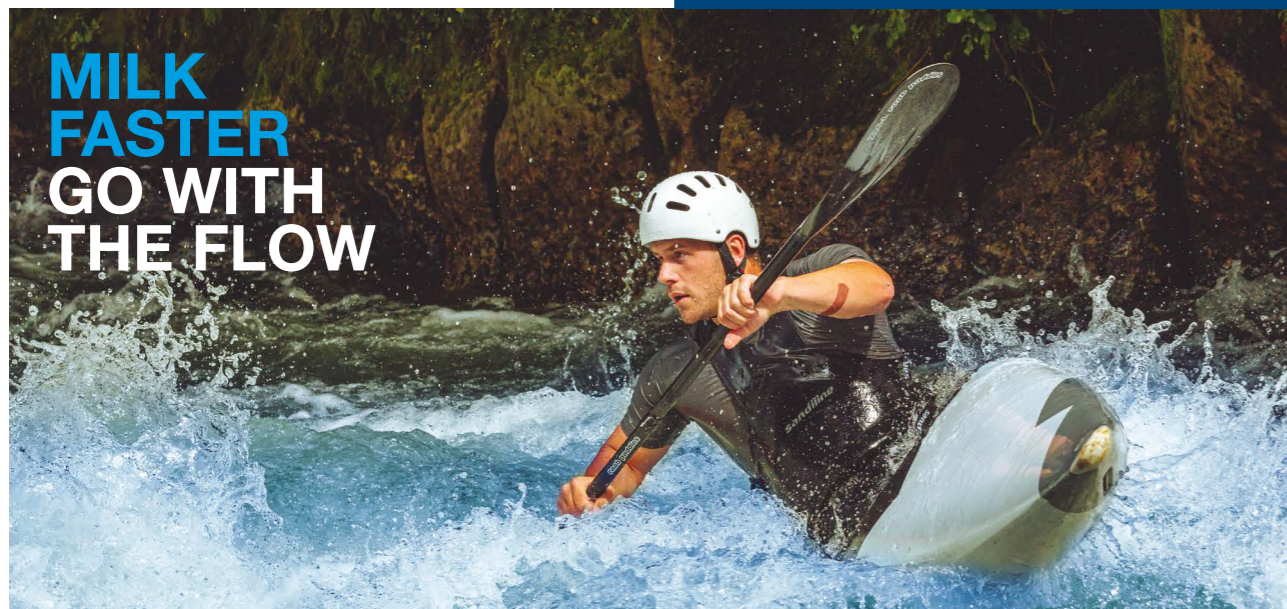
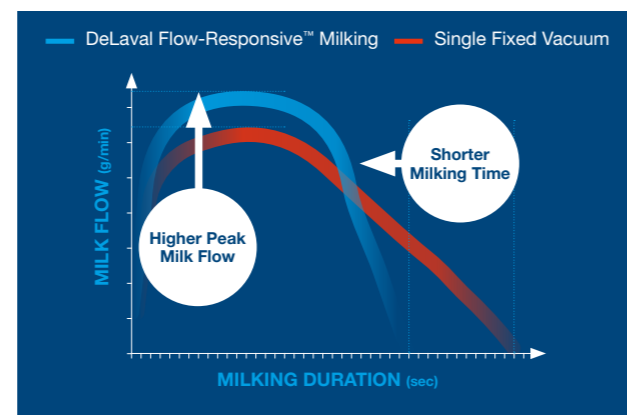
DeLaval Parlours are designed with movement in mind. Everything is about keeping your cows moving quickly, calmly and safely through a system designed to optimise effective operator hours per milking.

It's all about the Flow

A milking system that doesn't respond to the milk flow of cows is missing the opportunity to milk faster and to help you protect teat condition and animal welfare. With DeLaval Flow-Responsive™ Milking, your milking system can, for the first time, automatically adjust key parameters to better follow, and to better encourage the milk flow of your cows. Avoid the monovac efficiency gap by harnessing milk flow and go with the flow.

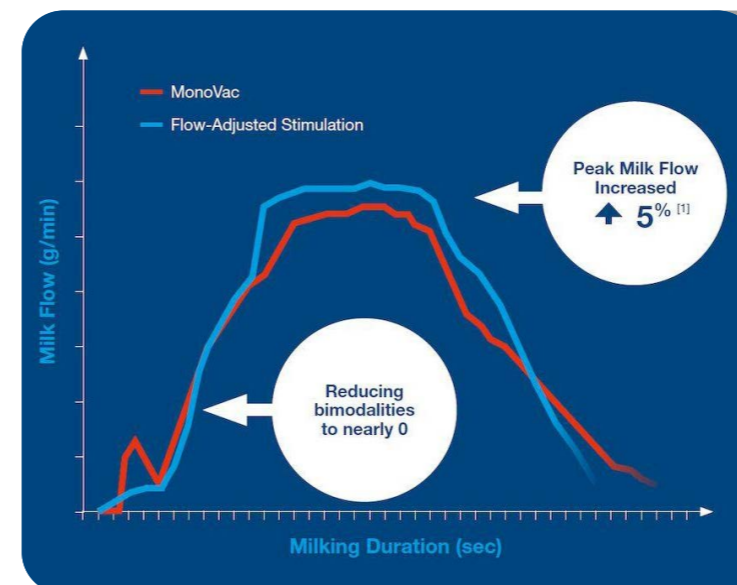
Why is it Better?

In the past, most milking systems available operated at one pulsation and vacuum level throughout each milking session. This monovac approach means an "average" vacuum level is set to reduce the inevitable gap between the cow's milk flow and the system's ability to extract that milk. Now there is a new way with DeLaval Flow-Responsive™ Milking. By more closely following the milk flow of your cows Flow-Responsive Milking is able to adjust the key milking parameters of vacuum and pulsation during each milking session. The outcome is a steeper, shorter milk flow profile.



FLOW-ADJUSTED STIMULATION

The ideal choice for any new or existing system and is suitable for both rotary and static parlours. Stimulation is performed with cups-on, allowing for faster milking and more efficient routines that may save labour and place less stress on milkers.

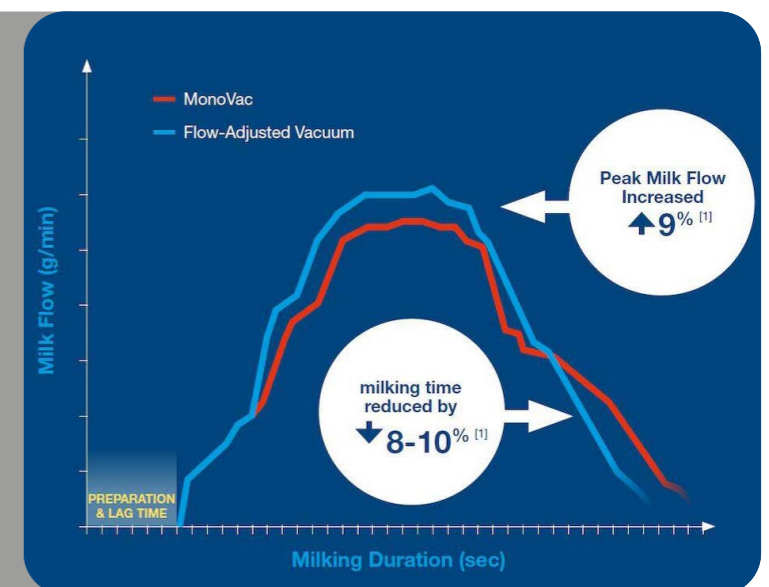


Under a monovac system, the vacuum and pulsation levels are set to be effective during the peak milk flow. This means that there was always a delay between stimulation and attachment to avoid the damage caused by high vacuum before oxytocin release and milk let-down. With DeLaval Flow-Responsive™ Milking that waiting period is no longer required. It means you can attach the cluster sooner and let the system manage the stimulation process for you, reducing bimodalities, assisting udder health, and in many cases making one-person milking a reality.

FLOW-ADJUSTED VACUUM

Designed to get the most from your herd. With improved milk flow, cows milk-out faster without compromising udder health – an ideal solution for larger operations.

DeLaval Flow-Adjusted vacuum speeds up your milk-extraction by lifting the vacuum level after stimulation is complete and high milk flow is available, and then reducing levels again once high flow has ended. This ability to adjust vacuum levels helps you to avoid the inevitable trade-off between udder health and productivity that is created by a fixed vacuum level that is either too high or not high enough at any one point in the milking process.



*Compatible with DeLaval milking point MPC580 and MPC680 onwards, For Flow-Adjusted Vacuum an internet connection is required.

* Flow-Adjusted Vacuum for MidLine milking system is not yet supported, Will be supported in the future.

Get even more out of your DeLaval Parlour milking system

When you invest in a DeLaval Parlour, you not only acquire a fully integrated system – you also integrate your farm into our eco-system of innovative products and services designed to maximise your farm's true potential.



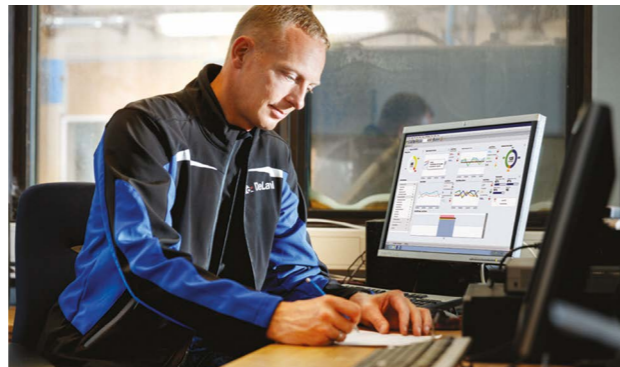
Automation

The DeLaval Parlour range provides more information, more automation, more functions and more technology than ever before. Intuitively designed so everything can be operated safely, comfortably and easily by fewer people.



DeLaval Evanza™

The entire Parlour range is compatible with our state-of-the-art DeLaval Evanza™ clusters. Designed to extract more milk, in less time whilst unlocking more efficient, less stressful routines for milkers.



DelPro™

DeLaval DelPro™ takes all the data being recorded through your parlour and does the number-crunching for you. Instead of pages and pages of numbers and charts – you get valuable information, sometimes in the form of a single number or alert.



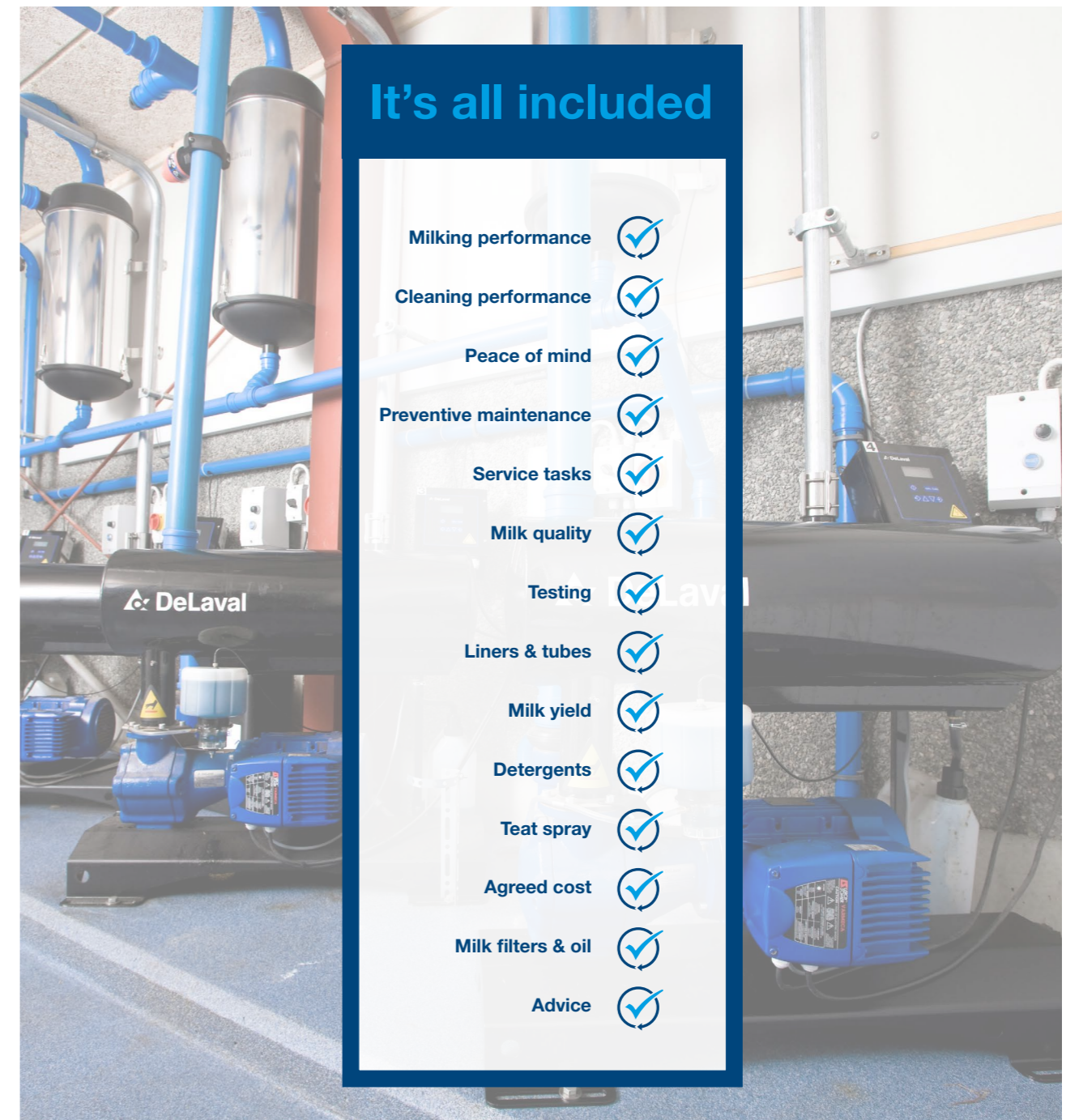
Milk Transport & Cooling

DeLaval milking systems are designed to protect the quality of your herds milk – powerful cooling and precise temperature control – locks in milk quality before it even reaches the storage tank.















DeLaval InService™ All-Inclusive

The service that you need, designed around you

With an InService™ All Inclusive Performance Plan in place, we will deliver all your essential consumables as well as the scheduled servicing and expert advice all for a fixed price. Leaving you to get on with the business of dairy farming, secure in the knowledge that every time you milk, your system's performance is optimised.



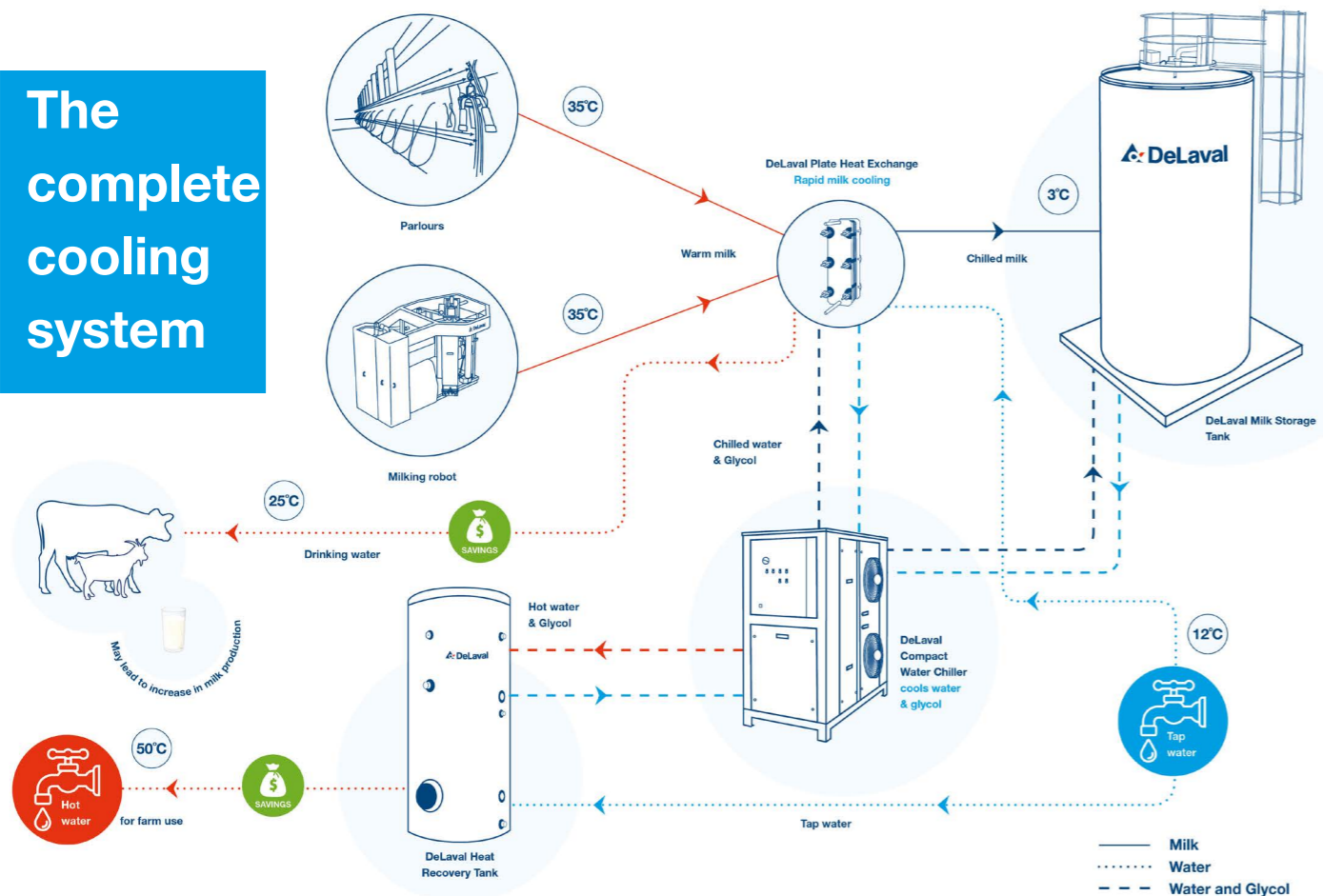
It's all included

- Milking performance 
- Cleaning performance 
- Peace of mind 
- Preventive maintenance 
- Service tasks 
- Milk quality 
- Testing 
- Liners & tubes 
- Milk yield 
- Detergents 
- Teat spray 
- Agreed cost 
- Milk filters & oil 
- Advice 

DeLaval Cooling Systems

A fresh approach to milk cooling

The complete cooling system



Faster means fresher

As soon as it leaves the udder, naturally occurring bacteria in the milk start multiplying immediately. In just two hours 1,000 bacteria can increase to 64,000. The faster you cool the milk, the more you slow this process down and the fresher your milk will be. That's why our unique range of chillers are the fastest we've ever developed.

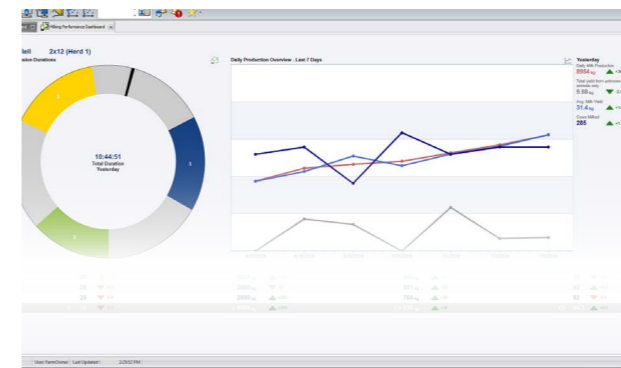


DelPro™ Farm Manager

DeLaval DelPro™ centralises, processes and analyses the many points of data recorded on your farm.

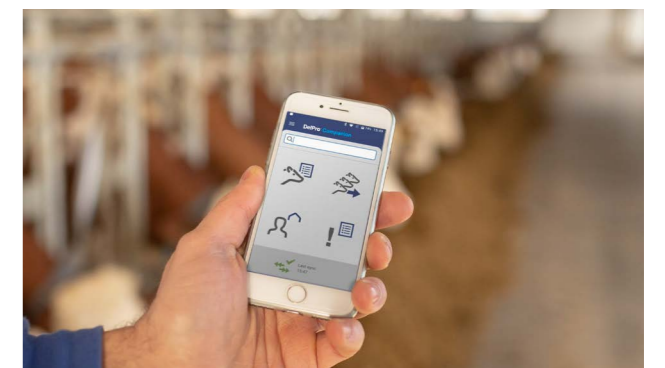
DelPro Farm Manager is the major interface to all that information. It puts the power at your fingertips so that you have everything you need to make better decisions every day.

This means that whether you need to monitor the production of one cow, a group or the whole herd; to check when your next milking system service is needed; or to create a recurring protocol to ensure that every animal on your farm receives a vaccination at exactly the right time - DelPro Farm Manager puts you in control.



Monitor Board

One screen to provide a total overview. DelPro Farm Manager is the key to turning all the data recorded on your farm into valuable, easily understood, actionable information. Your Monitor Board provides exactly this. It provides a dashboard which gives you a snapshot of everything you need to know in an easily understood and evaluated visual format.



DelPro Standard Operating Procedures

Having a consistent way of working is critical in modern dairy farming. DelPro Farm Manager with its Standard Operating Procedures supports you to orchestrate and implement actions consistently for different events such as time of insemination, treatment of a cow with ketosis or checks to be completed on fresh cows. With DelPro you reach clear actionable decisions any day of the week.

“ The P2100 is a very efficient system and the cows settled into the new parlour very easily. The cows do not have to lift their heads above a bar or into a frame which makes loading much faster ”

— William Warnock

FARM LOCATION: **TUMBLE TYE FARM, FOLKESTONE UK**
NUMBER OF MILKING COWS: **230**

Mastitis cases in the herd have **dropped significantly**

“ The Evanza clusters are a big improvement. Much easier to attach, faster milk draw and the cows are much more comfortable. We hardly ever get a kick-off and the cows stand at ease ”

* These are William Warnock's results. Yours may differ. Dairy producer testimonials reflect their real-life experience using DeLaval products. Results in testimonials have not been independently verified and DeLaval does not claim that results are typical. Testimonials do not constitute warranties or guarantees of performance



FARM LOCATION: **COUNTY KERRY, IRELAND**
NUMBER OF MILKING COWS: **210**

“ Milk production improved **more than**

10%

with the same amount of cows and that is proving our investment into the new milking system.* ”

* These are Billy O'Connor's results. Yours may differ. Dairy producer testimonials reflect their real-life experience using DeLaval products. Results in testimonials have not been independently verified and DeLaval does not claim that results are typical. Testimonials do not constitute warranties or guarantees of performance

“ Cows walk in, cows have their own space, cows are comfortable and cows milk quick. We are very happy with this setup. ”

— Billy O'Connor

THE NEXT STEPS

HOW CAN WE HELP?

If you're looking at your options for a new milking system, the first step is deciding which of the many options will deliver the best results for you. We honestly believe that the best place to start that conversation is with us, after all – we are a world class company designing and manufacturing milking system and management solutions that work hard for you.

That means that we will recommend the system that is right for you, not the system that is right for us.

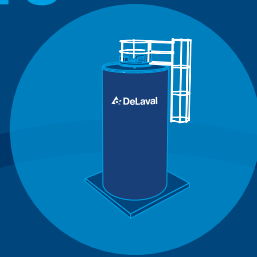
With 135 years experience in the dairy industry you can also be certain that our team will help you manage the process of designing, installing and optimizing your system to help you meet your budget and performance targets.

Creating solutions for dairy farmers is what we do, and it's all we do.

Which is why you can be sure that with a DeLaval solution – It all revolves around you.

To take the next step talk to your trusted DeLaval representative or visit us at www.delaval.com

DeLaval Parlours work well with:



DeLaval Cooling



DeLaval Evanza™



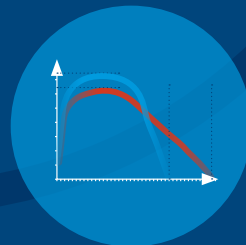
DeLaval Advisory



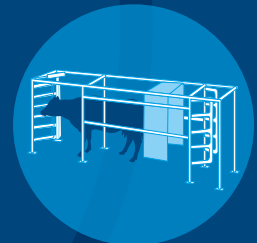
DeLaval InService™



DeLaval DelPro™



DeLaval Flow-Responsive™ Milking



DeLaval Cow-Traffic

We deliver solutions that help you get more, better quality milk from healthier animals.

That's why we don't just focus on one part of the milking process. We design, manufacture, install and maintain whole systems, and we are supporting ongoing performance of every component of those systems.

Put a DeLaval Parlour to work for you

Take the next step on your DeLaval Parlour journey, either talk to your trusted DeLaval representative or for more information [visit us at www.delaval.com](http://www.delaval.com)

Nothing in this document shall constitute a warranty or guarantee of performance. Results will vary from dairy to dairy.

