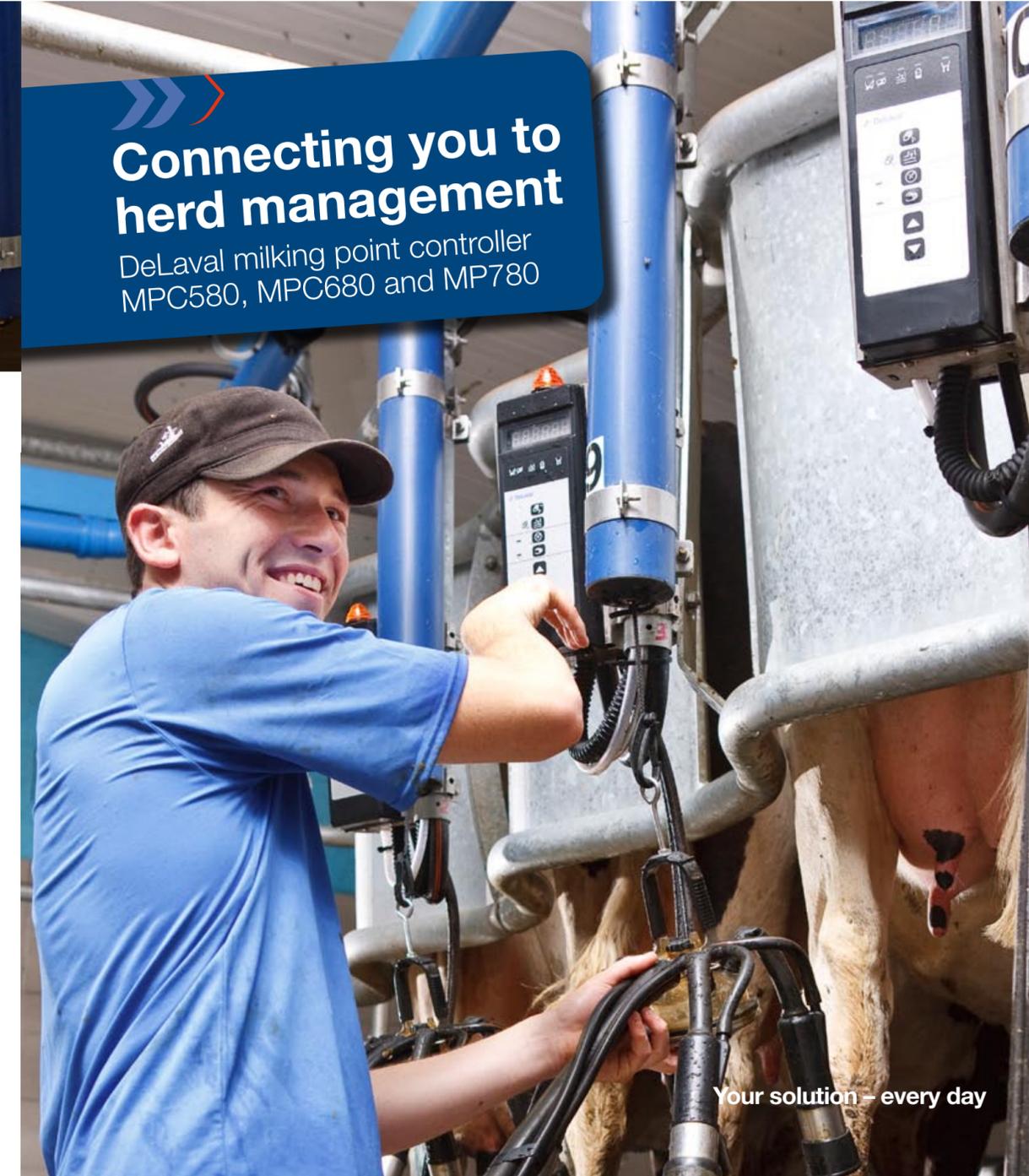


Streamlined efficiency for professional parlours



Connecting you to herd management

DeLaval milking point controller MPC580, MPC680 and MP780



Your solution – every day

Clear and precise data on every cow, coupled with flow-controlled milking and automatic take-off. DeLaval integrated milking point controllers give you everything you need for fast, efficient milking, and help you to optimize your herd's performance.

Elegant integrated milking point

DeLaval milking point MP780 provides for easy and efficient milking, and connects to ALPRO for access to all cow data. It automatically sends information to and fro: you get all the information you need in a clear and precise manner, yield information is sent automatically; and you can also update information on the spot from parlour observations.

All in one

DeLaval MP780 has full MPC680 functionality housed in its sleek vertical stainless steel cabinet. Its vital equipment is always protected as the cabinet keeps dirt and water out, for trouble-free operation. The smooth surface is easy to keep clean and the quiet environment reduces milking stress for cows and operators. It fits most types of parlour, and comes pre-assembled for fast and easy installation. With DeLaval MP780 it is simple to upgrade your parlour quickly.

Integrating ALPRO milking units

The fully ALPRO connected DeLaval MP780 is always integrated in its individual cabinet. DeLaval MPC580 and MPC680 can also be integrated into gleaming cabinets, and you can combine sets of MPC580 with a certain number of MPC680 for more herd control functions.

Full horizontal cabinet

Horizontal stainless steel cabinets in a parallel parlour provide protection for MPC integrated components in a clean environment. Bonus options: you can choose to integrate balanced and sliding hose support in the upper cabinet, and udder lights to brighten up the milker's working environment. Service access is easy, with fingertip touch on a smart latch to open and close the cabinets.

Individual vertical cabinet for parallel rotary

The narrow DeLaval MPC580 is shaped to integrate into parallel rotary stall units. Its limited user interface ensures milkers focus on milking, but get the most important alerts and can sort once from the milking point. Install an MPC680 at strategic places – close to the rotary entrance or inside the platform – to access advanced herd management, e.g. so the operator can remote-control other milking points for a distant retraction, or accurately ID milk samples from inside the platform.

Easy service

Service and troubleshooting are easy with milking point integration. This secures your operation with reliable functionality and minimizes downtime.

Herd management – getting it right

Today's demands for profitable milk production demand state-of-the-art herd management.

Whether you want to benefit from improved milking, feeding, breeding, sorting, weighing, or data analysis for decision support, ALPRO™ is the key. ALPRO is a modular system – so you can start with what you most need, and gradually add on more herd management functionality. With each cow clearly identified, ALPRO milking points allow tracking of individual milk yield and deviations; you can boost milk production with in- or

out-of-parlour feeding; avoid unnecessary manual labour with the automatic sorting system; improve breeding performance with the activity meter system; or gain a better grip on herd health with all the sensors combined with information on individual and group body weight. The ALPRO system offers you multiple combinations to deliver the herd control solution you need.

Whichever ALPRO connected milking point you choose, you will gain efficient milking performance and information you can use to optimize herd productivity.

DeLaval MPC580, MPC680, and MP780

Main features	Main options
Duovac™ *	Comfort Start
Vacuum on delay	Remote start and manual button
Let-down delay	In-parlour feeding one feed
Post-milking phase	In-parlour feeding two feed**
Vacuum shut-off delay	Entrance and exit gate operation**
Milk sweep	Indexing cows**
Forced take-off limit	Back flush
Pulsation stop	Post stripping with Alfast
Cow number, yield, and expected yield	Retention bar in parallel rotary
Don't milk, dump, and low yield attention	Early kick-off detection***
Sort cow function	Abnormal milking performance alarm
Treat, feed indication and remind codes*	Blood and conductivity detection***
Full herd management data exchange**	

* Optional in some MPC580 and 680 applications ** Available with DeLaval MPC680 and MP780 *** When used with DeLaval milk meter MM27BC

Everything you need at your finger tips

Choose from standard, integrated take off...

...to premium control

You know the importance of good information, as well as consistent and efficient milking routines, to optimize your herd's productivity. Data on every cow helps you to manage your herd, to make the right decisions at the right time. Whatever your herd management challenges, DeLaval milking point controllers will be a key part of your success.

Information where you need it

You need good information to optimize your herd's performance: to know if a cow's performance is below expectations, if milk yield is way down, if the cow has not eaten her concentrate feed, if a cow needs special attention when being milked, if blood is detected in the milk or conductivity changes significantly, or if a cow is ready for insemination – and so on. With alerts from the indicator lights and display codes on ALPRO™ connected milking points, you can take immediate action as well as update data on the spot.

Simplify your milking routine

These new generation milking points – DeLaval milking point controllers MPC580 and MPC680 and DeLaval milking point MP780 – are designed to help you maximize production with a consistent, efficient milking routine.

They provide accurate data on every cow, clear messages and alerts; and automatically record data, with little need for manual input. Optional features can ease the work routine, such as Comfort Start to speed up cluster attachment, and remote release buttons for start/stop milking and manual mode.

Milker and cow comfort

These milking point controllers make the total milking experience more comfortable. A good option is to combine automated cluster removal with Duovac™ flow control milking. This combination, which is standard with MP780 and some configurations of MPC580 and 680, provides a safe smooth milking routine and excellent stimulation, to maintain good udder health.

The choice is yours

If you choose the streamlined DeLaval MP780, every milking point in your parlour will have full herd management connectivity, and full MPC functionality. DeLaval MPC680 will give you the same level of control, or you can combine a few DeLaval MPC680 with the more basic DeLaval MPC580 at most milking points, for a cost-effective solution with many functions at your finger tips.

These MPC's can be used with any DeLaval flow indicators and milk meters, including the technologically advanced DeLaval MM27BC. It detects blood in the milk, any change in milk conductivity, and monitors air entry in the liners for an additional focus on udder health.

You decide the level of functionality you need, for a new facility or to upgrade your current equipment. Whichever ALPRO connected milking point you choose, you gain information you can use in the right place, at the right time.

DeLaval milking point controller MPC580

This simple-to-use interface at the milking place focuses on managing milking while still offering a reliable connection to herd management. DeLaval MPC580 can operate on the system or stand-alone and is designed to provide smooth milking operation in small to medium

sized herds. Any DeLaval MPC580 can be remote-controlled by any DeLaval MPC680 installed in the parlour, so the operator doesn't have to go to the individual cow milking point. This effective and convenient feature simplifies operation control, for instance it allows you to remove a cluster from a distance in a rotary parlour.

MPC580 – colour-coded LED symbols

Indicators give the operator alerts and alarms for:

- Don't milk
- Divert milk
- Separate cow
- Low yield
- Low flow
- Forced high vacuum
- Manual milking

Easy access buttons

For the most frequent milking operations such as start/stop milking, manual milking, operate a bail gate in a rotary parlour and separate cows. More advanced functions e.g. to set remind codes or give an added feed portion, are accessed using the two menu buttons.



Control lamp

This very visible lamp will attract your attention wherever you are in the parlour.

Clear display panel

Yield information is displayed clearly so it is easy to read, and cow numbers alternate with yield during milking – and this may be all you see in a normal milking. The interactive display will show attention codes, or alarm text when needed, such as don't dump milk, low feed intake before milking or low yield, poor cluster milk out, kick off, blood, or a conductivity deviation.

Flexible configuration

DeLaval MPC580 is available with integrated pulsator, ACR valve and Duovac™ or individual separate components. This offers the flexibility you need when upgrading an existing plant.

DeLaval milking point controller MPC680

With the robust DeLaval MPC680, you interact with ALPRO™ herd management system from the parlour. Relevant attentions are indicated by coloured LED displays, to alert the operator immediately when action is required. The left key-pad controls the milking point,

remote-controls any DeLaval MPC580 and operates the gates. The right key-pad is dedicated to communicating with the ALPRO database. You can install DeLaval MPC680 at all milking points, or at selected points for full control of DeLaval MPC580.

Full control

DeLaval MPC680 has all the functions of the DeLaval MPC580, and of course much more. Flexibility in parlour configuration allows you to customize a combination of DeLaval MPC580 and MPC680.

MPC680 left key-pad

As well as buttons for the most frequent milking operations, extended easy access buttons include:

- Gate control
 - Indexing
 - Remote control of DeLaval MPC580
- Access more advanced functions e.g. to set remind codes, or (in a MidiLine™ parlour) read the cow number on the opposite side before giving an added feed portion, with the menu button.



Remote function

Any DeLaval MPC680 can remote control any MPC580 or another MPC680 in the parlour, to read or modify information on a specific cow at a specific milking place. This reduces displacement during milking and improves the efficiency of the parlour routine.

Colour-coded clear information

Provides all the coloured alarms available with DeLaval MPC580, plus:

- low feed consumption
- cow treatment
- 4 user-defined LED reminders

MPC680 right key-pad

Communicates with the ALPRO herd management system, giving access to cow data such as expected milk yield, or set remind codes.

Interactive display panel

The milker can read the same information display as on the MPC580: yield and expected yield, plus details of any alarms. The combination of rolling indicators plus the attention LED's supplies all the necessary information, with no need to hit any buttons to make the right decisions.