

DeLaval E-Series Rotaries

A System Approach



**IT ALL REVOLVES
AROUND YOU**

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The expertise we have gained designing, manufacturing and monitoring the highest throughput milking systems in DeLaval history have been applied to make our rotaries throughput machines.

To deliver this requires not just a milking platform, but a fully integrated milking system – which is why all of our E-Series Rotaries share the same engineering approach with more information, more automation, more functions and more technology than we've ever included before – harness all that power to deliver superior throughput.

It's not just the milking itself that is simpler, calmer and more comfortable than our previous rotaries; but also the service, support and advice that is an integral part of what makes your Rotary one of the most efficient milking systems available today.



Animal Welfare

E-Series Rotaries are designed to get your cows into position quickly, to milk them quickly and gently, and to get them back to feed smoothly and calmly. It does this by working with the cows, not against them.



Farm Profitability

Designed to optimize fast milking and good cow flow from a system with one agreed cost for servicing, maintenance and consumables – that's what the E-Series Rotaries are all about.



Work Efficiency

With the built in features and overall design of the DeLaval E-Series rotaries milking efficiency can be maximized for any rotary installation from a grassland rotary, to the 24/7 milking environment.



Food Safety

With our best milking technology, vacuum technology, transport and storage solutions – the E-Series Rotaries are at the forefront of food safety in the dairy industry.

TAKING A
360° VIEW OF
YOUR FARM

Make
every labor
hour count.

This brochure introduces our standard release of E500. Some features, components and services mentioned herein are optional to the customer. With the flexibility brought by optional features, components and services, you may choose your own version of E500 and your desired level of services based on your budget and needs. Results may vary and are not guaranteed. DeLaval does not claim that the results mentioned in this brochure 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 milking practices, type of cows, farm and herd maintenance practices.



Go with the Flow

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

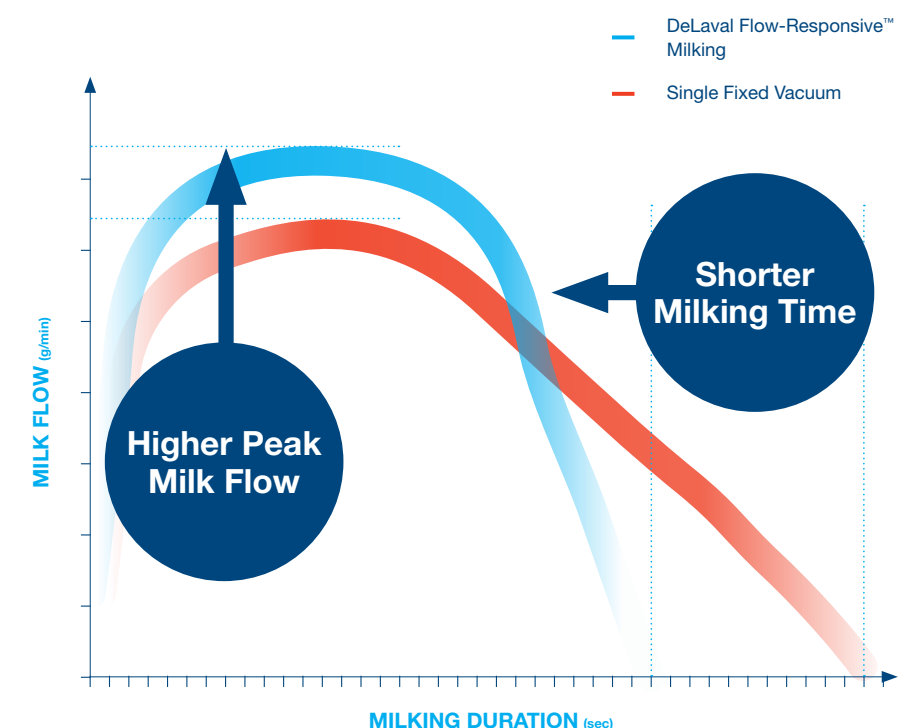
There are three models to choose from, and multiple points of possible customization within each.

Every one of our rotaries shares the same DNA, which means that you can be sure that a DeLaval Rotary will help you go with the flow.

DeLaval Flow-Responsive™ 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 single vacuum efficiency gap by harnessing milk flow and go with the flow.



Total control is at the heart of every DeLaval Rotary

Introducing the DeLaval Rotary Cockpit™

It is about giving access to more information, more automation, more functions and more technology than we've ever given them before – and to deliver it so that one person can control every milking safely, comfortably and easily, from a central point – the place where you get total control – the Cockpit of a DeLaval Rotary.

Comfort start

Automatic start, fast attachment with low physical stress.

Cow back off system

For E100 and E300 this reduces unnecessary second rotation cows, helping to improve throughput.

Emergency mode

For E100 and E300 redundancy is built into to allow rotation of the platform to remove cows during a failure. For the E500 redundancy is built in to allow the rotary to keep operating at a safe speed and keep all other safeties active.

Crowd gate control

Crowd gate controls are integrated in the rotary controller for automatic advance of the crowd gate during milking operations.

Non-negotiable health and safety features

The Rotary Controller shows on the touch screen all the safety trip positions and shows if they are triggered during the milking session. Health and safety is a priority at DeLaval.



Farm Monitoring Camera

The DeLaval Farm Monitoring Camera provides safe supervision of the cows. The portable and wireless receiver allows for constant supervision of the cows. The milker can keep an eye on the exit area, backing gate and holding yard.

Visual alarms

Quick visual alarms to avoid milking disruptions and to help workers and cows operate safely.

Audible alarms

Interactive Data Display (IDD)

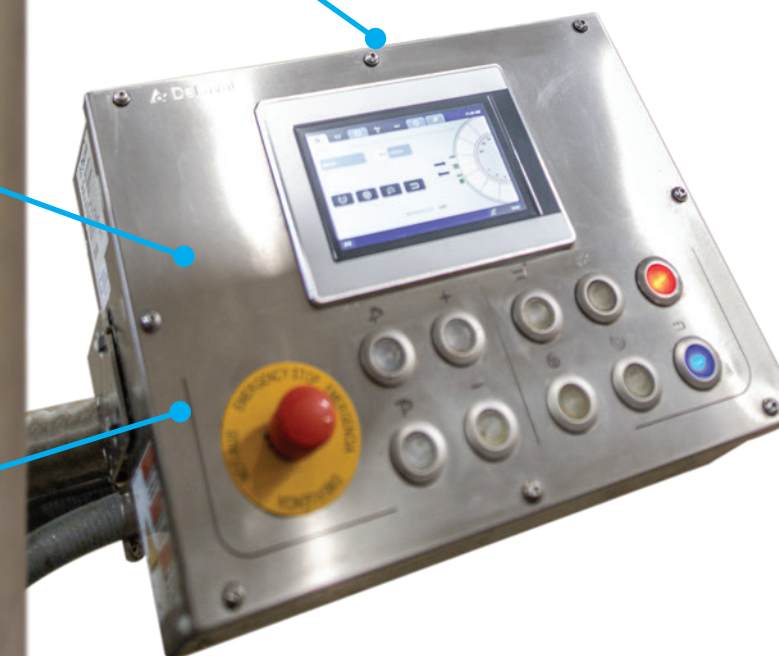
Presents the status of all cows being milked at each milking point on your rotary.

Automatic Speed Adjustment

Based on pre-programmed settings the rotary platform can automatically adjust to the required group speed, without requiring the milkers to manually interact with the rotary controller.

Controller

We use full words and graphics, not codes, so decisions can be made on the go.



Cow group speed control

Customized speed for different herds or groups.

The DeLaval Rotary E100

The most milk for your dollar

The E100 is the entry-level DeLaval Rotary, featuring everything you need to milk quickly and efficiently. Perfect for dairy farms where labour is limited, and where the milking hours per day are less than 10.

Predefined
service costs

High
throughput
with only
1 milker

Integrated
system
and tank
cleaning

Reduced
milker
workload*

Faster cow
exiting*

Rotation
speed can be
controlled by
production
group settings

Ultrafast
milk
extraction

Lower water
consumption*

Up to
1.5
cow entry
for faster
loading*

* Data recorded on Test and pilot farms.

The DeLaval Rotary E300

This is the perfect system for high throughput operations where there is the possibility of at least 2-3 hours down time on a daily basis for cleaning and maintenance. The cow flow systems are the same as those in the E500 so your performance per hour, per cow, per milking will be the same.

1
person
operation
compatible

x2
lifetime of
cartridge*

Improved udder
health due to
automatic teat
dipping and liner
disinfection

Up to
+9.3%
higher milk
flow*

Up to
7%
shorter
milking time*

Up to
58%
shorter
service time*

High efficiency
Up to
1.500kg
of milk per
FTE hour**

Less than
1 minute
to exchange
4 cartridges*

* DeLaval Evanza™ Cluster related: recorded on pilot farms.

** Data recorded on Test and pilot farms.

The DeLaval Rotary E500

When every hour counts - this is the milking system you can count on. Able to be built as large as 128 bail, these throughput machines need minimal downtime for cleaning and maintenance. The E500 features all of our leading CowFlow and WorkFlow technologies, which makes it the most efficient milking rotary we have ever built.

Throughput
up to
1066
cows per
hour¹

Reduce wash
times by
15 mins
with Auxiliary
Swivel²

86% less
required
concrete in ring
wall compared to
a 24" ring wall

Up to
6
different safety
devices⁴

Up to
7%
shorter
milking time⁵

30%
greater throughput
than existing DeLaval
rotary solutions⁶

14,400lbs/milk
per FTE Hour³
6,545kg/milk
per FTE Hour

14
different rotary
sizes available

¹ Based on 128 @ 3.38 seconds/bail

² Based on test farm data

³ 120 bail*5 sec/bail with dual pre post TSR and 2 employees

⁴ When using dual receiver configurations

⁵ Compared to standard configured milking system

⁶ When compared to a 106 PR3100HD at 4.9 sec/bail

DeLaval Performance Plans

Because performance is everything

Every DeLaval Rotary comes with a DeLaval Performance Plan, this means that we are all very clear about what you demand, and what we will deliver. From servicing and maintenance to remote monitoring of your vacuum levels - if it will help you perform, we will find a way to deliver it - because we are your performance partners.

It's about our commitment to you, and to your performance.

It all starts with the best start-up training in the business and then you can include everything from:

- Scheduled servicing and maintenance
- Performance coaching
- Liners and tubes
- Teat dips, detergents and sprays
- Vacuum adjustments
- Performance reporting and management tools from DeLaval Plus

Notes



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AROUND YOU**

How can we help?

If you are looking to install a new system, or upgrade an existing one, we would love the chance to help you find the system that is perfect for you.

A system that will meet your, and your family's needs now, and for the future.

A system that truly – all revolves around you.

Notes

DeLaval Rotary E-Series

E100 | E300 | E500

DeLaval
DelPro™

One easy to
use platform

Heat
detection

Animal
feed
monitoring

DelPro is at the heart of everything we do, and with an E-Series Rotary, it will be

THE NEXT STEP

To take the next step on your personal DeLaval Rotary journey,
either talk to your trusted DeLaval representative or for more information,
visit us at www.delaval.com



We live milk

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