

# PRODUCT CATALOGUE

Smart solutions for  
efficient milking



MILKLINE®

MILKLINE®



# WELCOME TO THE **MILKLINE** PRODUCT CATALOGUE

Work smarter: increase the quality of your production, improve the well-being of your animals and maximise the profitability of your farm.

Inside, you will discover a comprehensive selection of products and complete systems dedicated to the production of milk and the care of animals worldwide.

Our extensive range is designed to meet the diverse needs of farmers and producers, offering innovative solutions that enhance efficiency and effectiveness.

Each product is crafted with reliability in mind, ensuring that you can achieve maximum high-quality production with confidence.

Whether you're looking for advanced milking equipment, animal health solutions, or sustainable farming practices, our offerings are tailored to support your goals.

We encourage you to explore the following pages and find the ideal solution that perfectly aligns with your specific requirements and aspirations in the agricultural sector.

**Your journey toward optimizing production and ensuring animal welfare starts here!**



MILKING

3



MILK QUALITY &  
ANIMAL HEALTH

51



MILK  
REFRIGERATION

55



FEEDING

57



FARM  
MANAGEMENT

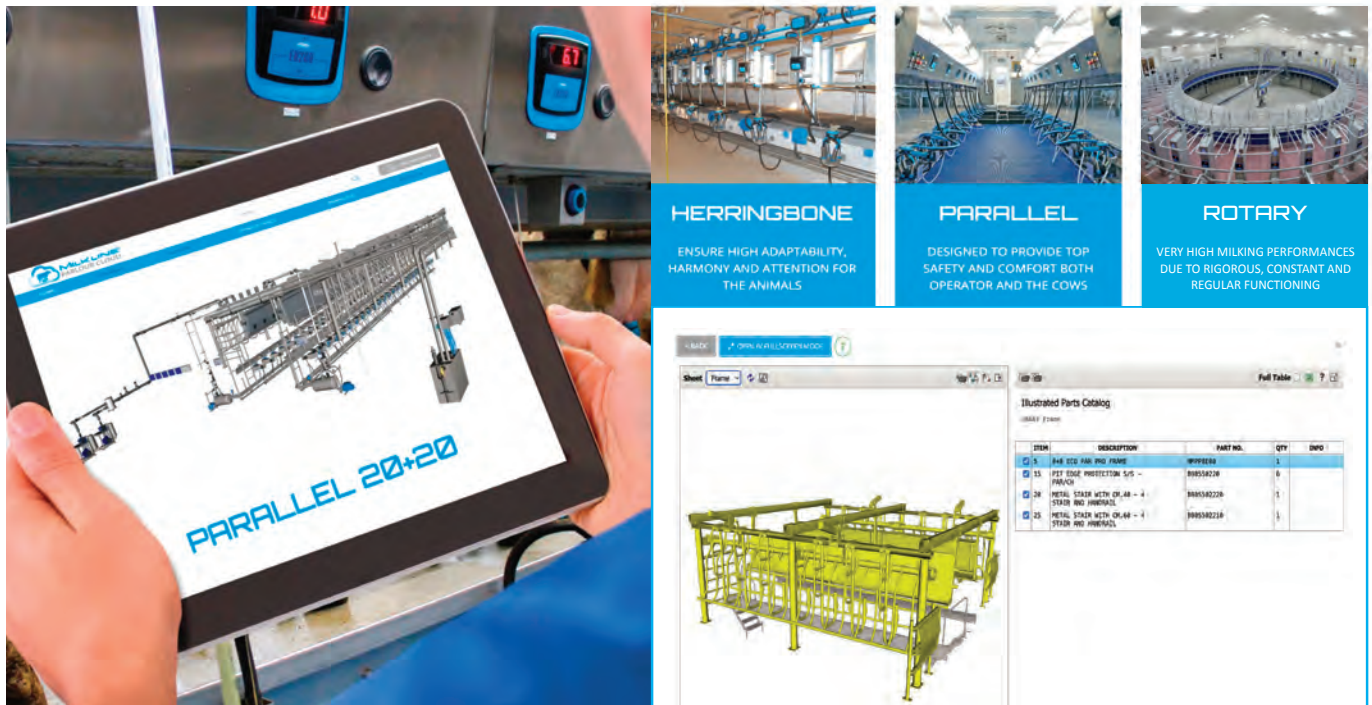
63





[milkline.com/MPC](http://milkline.com/MPC)

**CHOOSE THE ANIMAL TO MILK...  
AND CONFIGURE YOUR PARLOUR IN FEW CLICKS**



**THE UNIQUE DIGITAL PLATFORM THAT MAKES  
YOUR BUSINESS EASIER THAN EVER.**

**Set up your parlour in just a few clicks, sell it or buy it  
with fast and secure negotiation.**



**PREPARE AND  
PRESENT YOUR OFFER**

Customise your milking parlour in real time with the 3D configurator: an intuitive and fast tool to obtain a quotation for a milking parlour, complete and ready to hand over to the customer.

**Anywhere, anytime.**



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## MILKLINE'S MILKING SYSTEMS ARE DESIGNED TO MEET FARMERS' NEEDS: FROM SMALL FAMILY FARMS TO LARGE FARMS



• Herringbone .....	4
• Parallel.....	7
• Rotary .....	10
• Crowd Gate .....	12
• Solutions for sheep and goats.....	13
• Mobile milking trailer for sheep and goats .....	15
• Milking buckets .....	16
• Milking trolleys .....	17
• RTS pipeline milking system.....	18
• RTS milking control units.....	19
• Milk metering .....	21
• Pulsators .....	23
• Milking control units .....	26
• Milking clusters .....	31
• Liners and tubes.....	34
• Milking technology for sheep and goats .....	35
• Receivers .....	39
• Milk pumps.....	40
• Milk transfer control systems.....	41
• Vacuum pumps.....	42
• Vacuum level control systems .....	45
• Cleaning units.....	47
• Accessories .....	50

## MILKING

MILKLINE'S MILKING SYSTEMS ARE INTEGRATED SOLUTIONS DESIGNED TO MEET YOUR NEEDS WHEN IT COMES TO QUALITY, COMFORT AND PROFITABILITY.

Milkline's qualified and experienced staff will provide a highly customised service, and will support you in your day-to-day activities.

The health of your herd, the quality of your milk and the profitability of your farm are our primary concerns.

# Herringbone

## MILKLINE'S HERRINGBONE MILKING PARLOURS ARE IDEAL FOR LARGE HERD MILKING WITH MINIMAL SPACE REQUIREMENTS

Milkline's herringbone milking parlours provide higher milking rates, maximise space efficiency and fit many existing layouts, making installation simple and economical. The individual splash guards ensure faster animal positioning, smooth and regular animal traffic and comfortable milking for both operator and animal. Thanks to the rear stall suspended design, the operator has wide access and complete visibility without obstacles over the udder, enabling easier work and early detection of any abnormalities. Milkline's herringbone milking parlours are available in different configurations - 30°, 60° or 70° side milking - and with different options to best suit your needs.



### Main features

- › 30°, 60° or 70° milking stalls
- › Hot-dip galvanised steel structure
- › Stainless steel pit edge protection
- › Side exit
- › Stairs to milking pit
- › Full integration with Milkline's milking solutions



FLEXIBILITY AND  
VERSATILITY



SMOOTH ANIMAL  
TRAFFIC FLOW



HIGHER MILKING RATES



### Options

- › Milking stall columns clamped to the floor
- › Electronic controller to manage the pneumatically operated entrance/exit gates
- › Stainless steel cabinet to house electronic components
- › Full stainless steel carpentry
- › Nipple for milk tube fitting



## STANDARD 30° HERRINGBONE

### Specific Features

- › 30° milking stalls
- › Shaped rear barrier with individual splash guards
- › Shaped or straight front barrier

### Specific Options

- › Reinforced frames for buffalo
- › Front exit with 180° or 360° rapid exit
- › Stainless steel arm for milking cluster positioning



## STANDARD 60° HERRINGBONE

### Specific Features

- › 60° milking stalls
- › Shaped rear barrier with individual splash guards
- › Wall mounted adjustable straight front barrier



## SUSPENDED 30° HERRINGBONE

### Specific Features

- › 30° milking stalls
- › Suspended and shaped rear barrier with individual splash guards

### Specific Options

- › Front exit with 180° or 360° rapid exit
- › Stainless steel arm for milking cluster positioning







## SUSPENDED 60° HERRINGBONE

### Specific Features

- › 60° milking stalls
- › Suspended and shaped rear barrier with individual splash guards
- › Wall mounted adjustable shaped front barrier



## 70° HERRINGBONE

### Specific Features

- › 70° milking stalls
- › Suspended rear barrier
- › Shaped front barrier
- › Pneumatically operated entrance/exit gates



## CH 30° HERRINGBONE

### Specific Features

- › 30° milking stalls
- › Suspended, shaped rear barrier with individual splash guards
- › Wall mounted shaped front barrier
- › Reduced platform width
- › Adjustable animal walkway width

### Specific Options

- › Milking stall columns fixed on the pit edge
- › Stainless steel arm for milking cluster positioning



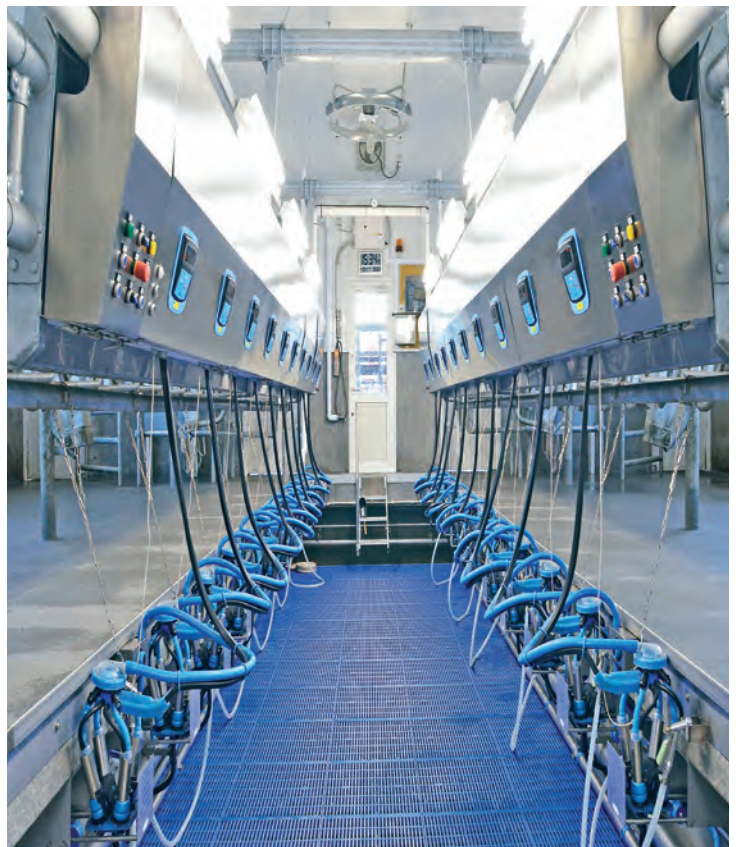
# Parallel

## MILKLINE'S PARALLEL MILKING PARLOURS SIGNIFICANTLY INCREASE THROUGHPUT PRESERVING ANIMAL COMFORT

Milkline's parallel milking parlours are ideal space-saving solutions to milk your medium-sized or large herd whilst ensuring animal comfort. The rational layout ensures stress-free animal positioning and quick exit, really maximising throughput performance. It also provides easy animal handling and shorter paths for the operator to navigate, allowing a faster milking process and a consistent milking routine. Milkline offers a wide range of options and configurations to further increase milking process efficiency in smaller spaces. Vertical lift and front exit or side exit for narrow parlours are some of the features available. The sturdy and compact frames mean durable and easy installation.



- › Whole structure in hot-dip galvanised steel
- › Stainless steel pit edge
- › Suspended carpentry
- › Stainless steel front barrier
- › Stainless steel rear gutter to collect dejection
- › Pneumatically operated entrance/exit gates
- › Stairs to milking pit
- › Full integration with Milkline's milking solutions



- 💧 HIGH PERFORMANCE AND FLUIDITY
- 💧 COMPACT AND EFFICIENT DESIGN
- 💧 QUICK AND CONSISTENT MILKING ROUTINE

### + Options

- › Electronic controller for the pneumatically operated entrance/exit gates
- › Stainless steel cabinets to house electronic components
- › Stainless steel frame
- › Stainless steel milking stall columns
- › Multifunctional pushbutton for milking installed in the pit edge
- › Support rope for milking cluster



## STANDARD PARALLEL

### Specific Features

- › Ground fixed sequential gates
- › Straight front barrier

### Specific Options

- › Adaptable front barrier to the animal's length (per single stall)



## PARALLEL PRO

### Specific Features

- › Straight front barrier
- › Suspended sequential gates

### Specific Options

- › Adaptable front barrier to the animal's length (per single stall)





## PARALLEL PRO HEAVY DUTY

### Specific Features

- › Shaped 2" front barrier
- › Suspended sequential gates
- › Adaptable front barrier to the animal's length (per single stall)



## PARALLEL SIDE BY SIDE

### Specific Features

- › Side exit
- › Wall-mounted front barrier

### Specific Options

- › Suspended sequential gates







# Rotary

## MILKLINE'S ROTARY MILKING PARLOURS MAXIMISE MILKING PERFORMANCE AND EFFECTIVENESS

Milkline's rotary milking parlour is specifically designed for advanced and large dairy farms. This parlour configuration is characterised by very high milking performance and effectiveness due to rigorous, constant and regular operations. Animals step onto the platform individually and directly into the right milking stall, allowing a continuous and regular traffic flow and reducing competitive behaviour among them. Milkline's rotary platform provides excellent working conditions: milkers are totally focused on the milking process without having to deal with animal traffic; movements are significantly reduced, so all the milking procedures are performed with minimum effort.



### Main features

- Heavy-duty
- Pneumatically controlled Texas doors
- Safety stop cable around platform in operator access area
- Platform control system to adjust rotation speed depending on milking times
- Milking equipment located on inside of platform
- Milking cluster support system
- Stairs to milking pit
- Full integration with Milkline's milking solutions

- 💧 MAXIMUM MILK YIELD
- 💧 CONSISTENT MILKING ROUTINE
- 💧 OPTIMISED ANIMAL TRAFFIC FLOW



### Options

- In-parlour feeding
- Stainless steel carpentry

## HERRINGBONE PROACTIVE

### Specific Features

- › 30° milking stalls
- › Internal milking
- › Stainless steel cabinet to house electronic components
- › Available sizes = 12–40 milking stalls

### Specific Options

- › Splash guards



## PARALLEL PROACTIVE

### Specific Features

- › External milking
- › Stainless steel cabinet per milking stall to house electronic milking components\*
- › Support hose



## ROTARY PERFORMANCES

Number of places	32	40	50	60	72	80	90	100
Tour/Hour	Cows/Hour							
5	160	200	250	300	360	400	450	500
6	192	240	300	360	432	480	540	600
8	256	320	400	480	576	640	720	800

## TECHNICAL DATA

Bails number	32	40	50	60	72	80	90	100
Outside Diameter (mm)	10.185	12.735	15.915	19.100	22.920	25.465	28.640	31.830
Required Building size (m)	14x20	17x22	20x26	23x31	27x35	30x37	33x40	35x42
Distance (mm)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000





## Crowd gate

### MILKLINE'S CROWD GATE HELPS OPERATORS STAY FOCUSED ON MILKING BY TAKING CARE OF COWS IN THE WAITING AREA

With crowd gate you can move cows efficiently to reduce milking time and increase cow productivity. Milkline Crowd Gate is durable and operates smoothly, reducing labor while moving cows into the parlor. It also helps keep the waiting area clean by the integrated rubber scraper.

#### FUNCTION

The crowd gate facilitates the swift movement of cows from the waiting area to the milking parlor. It matches the width and length of the pre-milking area, and can be customized with features like automatic lifting and a rubber scraper.

When equipped with these options, the gate can be raised to a height of 1.80 m, enabling the next group of animals to occupy the emptied space.

Once all the animals have entered the milking parlor, the crowd gate is lowered near the floor and operates as a scraper.



💧 AUTOMATIC ANIMAL DRIVING  
TO REDUCE YOUR DAILY  
WORKLOAD

💧 INCREASED MILKING SHIFT  
EFFICIENCY

💧 FAST AND EASY  
MAINTENANCE



#### Main features

- Heavy duty
- No stress for the animals
- Operators can stay focused on milking routine

# Solutions for sheep and goats

## MILKLINE OFFERS SPECIFICALLY DESIGNED MILKING PARLOURS FOR SHEEP AND GOATS TO MAXIMISE YOUR PROFITABILITY

Dairy sheep and goat milking requires special care due to the particular behaviour and high number of animals to be managed. Milkline's milking parlours for sheep and goats are specifically designed to allow fast, orderly animal flow and efficient milking. The high-flow milking stall configurations increase milking rate and reduce operator workload, while also creating a pleasant and comfortable milking environment. Milkline offers different milking system solutions – from traditional milking parlours to complete trailers – for in-field milking. You can choose among several configurations to best satisfy your needs.



### Main features

- › Hot-dip galvanised steel structure
- › Galvanised steel pit edge protection
- › In-parlour feeding: stainless steel feed mangers with individual access
- › Modular design to suit different herd sizes



INCREASED MILKING  
PROCESS EFFICIENCY



OPTIMISED  
ANIMAL TRAFFIC



QUIET AND COMFORTABLE  
MILKING ENVIRONMENT





## ROTARY

### Specific Features

- › Parallel milking stalls
- › Internal milking (36 ÷ 60 milking stalls) or external milking (50 ÷ 100 milking stalls)
- › Texas doors

### Specific Options

- › Skirt when milking equipment is installed around the platform



## PARALLEL

### Specific Features

- › Two exit options:
  - 90° rapid front exit with sequence gates and individual headlock per place
  - side exit with adjustable individual headlocks
- › Pneumatically operated entrance/exit gates
- › Stairs to milking pit

### Specific Options

- › Milking stalls can be mounted on an intermediate floor





# Milking buckets

## MILKLINE'S MILKING BUCKETS ARE AFFORDABLE, EFFICIENT AND LOW-COST SOLUTIONS

Milkline's milking buckets are the ideal solution for milking small herds or animals in need of special care. Entirely made in Italy and with outstanding materials to guarantee durability and easy cleaning, buckets are available in different litre capacities and materials. Milkline offers a wide and complete range of fully compatible components for milking buckets, allowing you to create a customised milking solution to perfectly suit your dairy. The operator can milk up to two animals at the same time, making the milking process faster and more efficient.



### Main features

- › Entirely made in Italy
- › Wide range of fully compatible Milkline components
- › Equipped with specifically designed programmable pulsator
- › Easy to clean
- › Available for cows, sheep and goats



### DIFFERENT TYPES OF CONFIGURATIONS

Milking bucket	Plastic: 30-litre bucket; stainless steel: 25- or 30-litre bucket
Lid	Plastic or stainless steel, suitable for different kinds of buckets With/without hooks to fix the pulsator
Lid Inlets	Two or three depending on the number of animals to be milked (one or two)
No. of milking clusters	One or two cows/sheep/goats
Milking clusters	Whole range of Milkline milking clusters available
Pulsator	Specifically designed programmable pulsator Range of pneumatic or electronic pulsators
Options	For plastic bucket: choice of bottom colour (blue, orange, red or green)



- 💧 FASTER AND MORE EFFICIENT MILKING PROCESS
- 💧 EASY AND COMFORTABLE CARRIAGE
- 💧 DURABLE COMPONENTS



# Mobile milking trailer for sheep and goats

A SOLUTION FOR EVERY SITUATION



The mobile milking trailer is the best solution for small, subdivided and/or displaced farms, offering all the advantages of a conventional milking parlour.

The entire frame is assembled on a movable trailer equipped with 12 to 24 milking stalls, side entrance and front exit and pneumatically-operated feed doser and stainless-steel mangers with individual access.

The movable trailer is either equipped with all the necessary for a professional milking: 6 or 12 milking clusters, automatic cleaning system, water heater and the lighting system.

**All the working components are integrated in a dedicated compartment.**



## Main features

- Operator safety and comfort
- An entirely safe and transportable system
- Made in Italy: high-quality and durable components
- Excellent milking yield in any situation
- Available for sheep and goats

- 💧 RESISTANT AND DURABLE PRODUCTS, DESIGNED WITH FINEST QUALITY MATERIALS
- 💧 NO INSTALLATION WORKS REQUIRED
- 💧 EASY TO TRANSPORT



# Milking trolleys

## EASY TO HANDLE, COMPACT AND RELIABLE SOLUTIONS FOR QUICK AND EASY MILKING

Milkline's milking trolleys are among the simplest automatic milking solutions: a wheel-supported chassis is equipped with a complete milking system. Milkline's milking trolleys are easy to handle and transport, ensuring optimal comfort for both animals and operators during milking. You can automatically milk more animals at the same time, without requiring further assistance. Entirely made in Italy for maximum strength, resistance and durability. You can choose among a wide range of configurations to find the best solution to fit your needs.



### Main features

- › Suitable for large or small farms, pasture or stall rearing
- › Entirely designed and produced by Milkline
- › Made in Italy: high-quality and durable components
- › Easy handling and cleaning
- › Available for cows, buffaloes, sheep and goats



### DIFFERENT TYPES OF CONFIGURATIONS

Wheels	Plastic or rubber tires
Milking bucket	Plastic: 30-litre bucket; stainless steel: 25-litre bucket
No. of milking clusters	One or two cows/buffaloes; two or four sheep/goats
Pulsator	Pneumatic or electronic
Vacuum tank	14 litres, 15 litres, 22 litres
Vacuum regulator	Spring-operated
Vacuum pump	Fully equipped with lever switch and electric wire
Empty tank indicator	Analogue pressure gauge
Power supply	230 V electric motor



- 💧 QUICK AND SAFE MILKINGS
- 💧 RELIABILITY AND STURDINESS
- 💧 EASY AND COMFORTABLE CARRIAGE





## RTS pipeline milking system

### MILKLINE'S RTS PIPELINE MILKING SYSTEMS SIGNIFICANTLY IMPROVE OPERATOR EFFICIENCY AND MILKING RATE

Round-the-barn pipeline milking systems are designed to allow the milking to take place in the barn and to deliver the milk directly to the bulk tank.

Working time is reduced compared to other tie-stall milking solutions, as the emptying operation is not necessary.

Milkline offers RTS pipeline milking systems suitable for new or existing buildings, complete with all high-quality components for: milking, vacuum, cleaning and cooling. Milkline's milk and vacuum lines, RTS milking units and clusters significantly increase operator efficiency and milking rate.

Milkline's efficient automatic cleaning system and rapid milk cooling will help ensure that your milk is top-quality.



- 💧 SUITABLE FOR NEW OR EXISTING BUILDINGS
- 💧 MILKING RATE INCREASED
- 💧 MILK QUALITY AND UDDER HEALTH ENSURED



### Main features

- Stainless steel milk pipelines, properly sized
- Special milk/vacuum taps for easier and faster cluster take-on
- High-capacity claws for better milk flow
- Wide range of glass or stainless steel receiver units
- Milkline's automatic cleaning machine to provide RTS facilities with efficient cleaning



# RTS milking control units

## MILKLINE'S RTS MILKING CONTROL UNITS: AUTOMATION AND COMFORTABLE MILKING IN TIE STALL BARN

Milkline's RTS milking control units are complete and portable milking systems to perform comfortable and consistent milking in tie-stall barns.

All the components are integrated in an ergonomic and easy-to-handle structure, equipped with stainless steel suspending bracket and quick bayonet connection for vacuum line, milk line and power supply for electronic pulsators.

Milkline offers a wide range of versions: from basic models to the most advanced, equipped with milk flow sensors, flow-controlled pulsation and different programmable milking parameters.



### Main features

- › Ergonomic and easy to handle
- › Compact design
- › Quick bayonet connection for vacuum and milk line
- › Available models with different levels of automation
- › Pulsator 'stop' function to prevent overmilking and cluster fall-off

- 💧 CONSISTENT MILKING ROUTINE
- 💧 IMPROVED MILKING PROCESS
- 💧 COMFORTABLE MILKINGS



## Available models



	RTS PNEUMATIC PULSATOR	RTS ELECTRONIC PULSATOR	MC200 RTS	RTS200
Product category	Basic	Standard	Advanced	Premium
Display	-	-	Integrated in the pulsator	Integrated in the pulsator
Pulsation	Pneumatic	Electronic	Electronic	Electronic
Flow-controlled milking	-	-	Yes, adjustable*	Yes, adjustable*
Milk metering	-	-	FFS30	FFS30
Protection cover for electronics	-	-	-	Yes
Programmable software with PDA	-	-	Yes	Yes

\*Pulsator 'stop' function to prevent overmilking and cluster fall-off at the end of the milking.



# Milk metering

## MILKLINE'S MILK METERS GUARANTEE PRECISION MILKING AND IMPROVED HERD MANAGEMENT

Monitoring the milking performance of your animals at each milking provides you with full control over the health status and profitability of your herd. Milkline offers accurate and precise milk metering technologies to optimise herd management for increased productivity and efficiency of your herd. Milkline's milk metering devices can be combined with the whole range of Milkline's milking control units, and data collected during milking can be transferred to the herd management software to enhance daily herd management.



### Main features

- › High accuracy and precision
- › Compact and solid design
- › Easy to install and to calibrate
- › Compatible with the whole range of Milkline's milking control units
- › Data can be transferred to the herd management software

- 💧 PRECISION AND ACCURACY
- 💧 OPTIMISED HERD MANAGEMENT
- 💧 IMPROVED PROFITABILITY





## Main products

### MEL1000 MILK METER

**MEL1000** is one of the most reliable ICAR-approved electronic milk meter currently available on the market. Made entirely of polysulfone resin, it guarantees non-toxicity and high mechanical resistance.



#### TECHNICAL SPECIFICATIONS

Product category	Electronic milk meter
Measurement	Milk weight – milk volume metered in relation to its mass and in accordance with the tipping scale principle
Available models	With shut-off valve and milk sampler included
Design	Compact and solid
Other features	ICAR-approved when combined with MILPRORED or MILPROP4C



APPROVED



### FFS30 FLOW SENSOR

The extremely compact **FFS30** measures milk flow using near-infrared technology. The sensor is completely sealed and has no moving parts, thus milk flows freely without restrictions. **FFS30** doesn't require any maintenance.



#### TECHNICAL SPECIFICATIONS

Product category	Milk flow sensor
Measurement	Infrared technology
Available models	With or without milk conductivity metering
Design	Extremely compact
Other features	Kick-off detection Milk sampler (optional)



### WK MILK METER

The **WK MILK METER** is designed for the accurate measurement of individual animal milk yield during milking. It is suitable for milking parlours or RTS installations.



#### TECHNICAL SPECIFICATIONS

Product category	Pneumatic milk meter
Measurement	Manual milk yield measurement
Available models	42 kg or 30 kg for cows and buffaloes; 4.5 kg for goats
Design	Suitable for different installations
Other features	ICAR-approved Suitable for milking parlours and RTS systems





# Pulsators

## MILKLINE'S PULSATORS ENSURE RAPID, ACCURATE AND COMPLETE MILKING

Reliable pulsation has a significant impact on udder health and milking time. Milkline pulsators are specifically designed to guarantee proper, rapid and uniform milk ejection while respecting udder health and animal comfort.

Milkline's range of pulsators covers all different needs, from the simplest to the most demanding.

Milkline's pneumatic pulsators are the ideal solution for bucket and mobile milking systems, or whenever access to a reliable power source is limited; Milkline's electronic pulsators, durable, robust and reliable, are the best solution for rapid, accurate and complete milking.



### Main features

- › Simple and efficient components
- › Adjustable pulsation settings
- › Low energy consumption
- › Easy installation and maintenance
- › Different models available

- 💧 RAPID, UNIFORM AND COMPLETE MILKING
- 💧 RESPECT OF UDDER AND TEAT HEALTH
- 💧 NO STRESS FOR THE ANIMAL



## Main products

### ML120

The **ML120** is a durable, reliable and cost-saving **pneumatic pulsator**. Entirely made in Italy, it ensures milking precision with minimal maintenance.



#### TECHNICAL SPECIFICATIONS

Pulsation type	Pneumatic, alternate pulsation
Rate	50 ÷ 180 ppm
Milking ratio	50/50, 60/40, 65/35, 70/30
Operating system	Vacuum, 35 ÷ 50 kPa
Other features	<b>Surematch</b> coupling system <b>Retrofit</b> air filtering system Internal parts 100% self-lubricating



### ML PROGRAMMABLE

**ML PROGRAMMABLE** is a precise and reliable **electronic pulsator** that ensures rapid, uniform and complete milkings, preserving the udder health of your animals.



#### TECHNICAL SPECIFICATIONS

Pulsation type	Electronic, alternate pulsation
Rate	50 ÷ 180 ppm
Milking ratio	50/50, 60/40, 65/35, 70/30
Operating system	Vacuum, 35 ÷ 50 kPa
Other features	Eight different milking programmes with specific pulsation setup for dairy cows and buffaloes





## 4 WAY PULSATOR P4C

Milkline's innovative quarter-based electronic pulsator

**4 WAY PULSATOR P4C** is an innovative pulsator that allows the quarter-based pulsation control and management.

**4 WAY PULSATOR P4C** is equipped with four independent pulsation channels and new generation coils, that guarantee a very high working precision and considerable reliability. The pulsation system is power-assisted through a solenoid-controlled silicone membrane. This feature allows lower energy consumption and extremely silent operation, and makes the pulsators less subject to mechanical wear, resulting in minimal maintenance requirements.

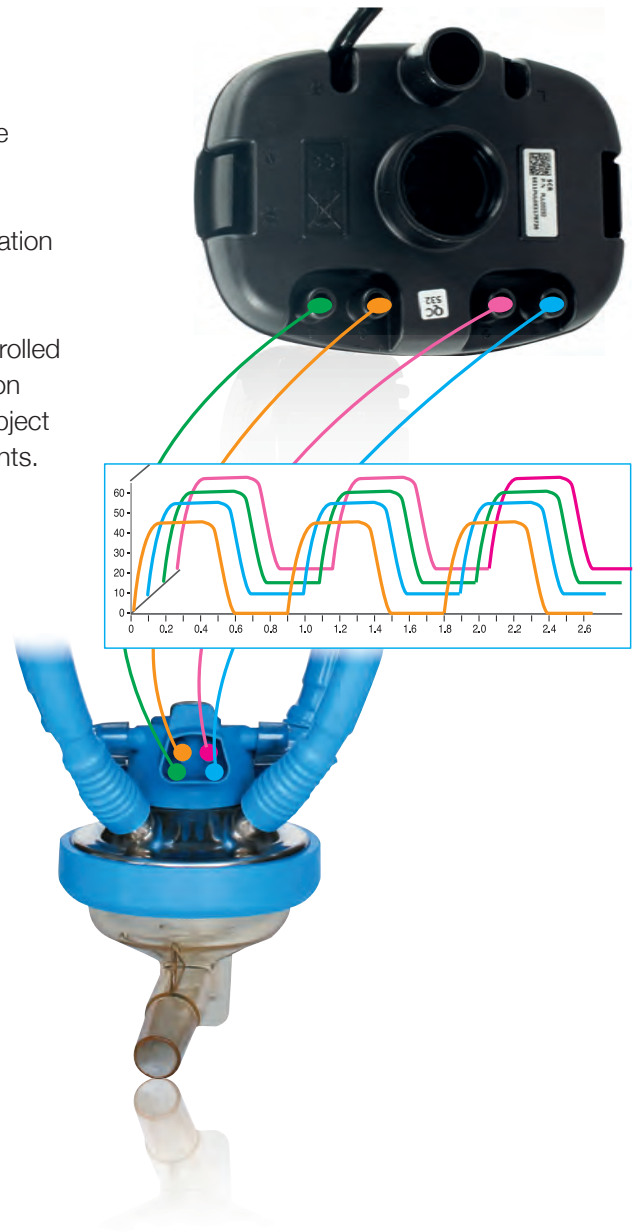


### Innovative functions

- › Quarter-based pulsation management
- › Pulsation control based on milk flow
- › Milking 'stop' function per quarter



CHOOSE THE QUARTER-BASED PULSATION



### Advantages

- › GENTLE AND UNIFORM MILKING PER QUARTER
- › REDUCED OVERMILKING
- › IMPROVED MILKING PERFORMANCE
- › EXTREMELY LOW ENERGY CONSUMPTION
- › SILENT OPERATION

# Milking control units

## MILKLINE'S MILKING CONTROL UNITS OPTIMISE YOUR MILKING EFFICIENCY AND YOUR HERD PRODUCTIVITY

Milking parlour automation and full control over the milking process are key factors in improving the profitability of your herd.

Milkline's milking control units are specifically developed for single milking point control and management. Suitable for new installations or existing milking parlour upgrades, they are designed as modular systems customisable to almost any requirement.

Different milking control unit options are available: from simple and basic solutions to the most advanced, depending on your needs. In addition, options range from stand-alone systems to ones fully integrated into the herd management software, giving the farmer access to all animal data.



- 💧 ADVANCED MILKING CONTROL
- 💧 IMPROVED MILKING EFFICIENCY
- 💧 MORE EFFECTIVE AND PROFITABLE WORK AND THROUGHPUT

### Main features

- Animal ID and milk yields displayed in real time during milking
- Single multifunctional pushbutton
- Stand-alone or integrated system into the herd management software
- Suitable for new or existing milking parlours
- Modular systems to meet your needs



## Available models



Description	MC200	MILPRORED	ED200	MILPROP4C
Product category	Basic	Standard	Advanced	Premium
Milk flow controlled pulsation	✓	✓	✓	✓
Automatic stimulation	✓	✓	✓	✓
Automatic cluster removal	✓	✓	✓	✓
FFS30 milk meter	✓	✓	✓	✓
MEL1000 milk meter (ICAR approved)	-	✓	-	✓
Kick-off alert	✓	✓	✓	✓
Low milk yield alert	✓	✓	✓	✓
Display	Small size	Small size	Large size	Large size
Connection to the herd management software	Possible if upgraded to MC201	Possible	Possible	Possible
Milking 'arrest' function per quarter	-	-	-	✓
Early detection of quarter inflammation	-	-	-	✓
MC Remote Control	✓	✓	✓	✓





## MILPROP4C

The innovative quarter-based milking control and management system

**MILPROP4C** is a unique and technologically advanced system that allows quarter-based control and management of the milking process. **MILPROP4C** enables the detection of the milk flow end from each quarter, so that milking can be stopped per quarter, **reducing overmilking**.

Moreover, during milking the system measures the milk's electric conductivity per quarter and signals possible quarter infections in real time, **greatly enhancing the detection of subclinical mastitis**.



### Innovative functions

- › Pulsation per single quarter, based on milk flow
- › Milking 'stop' function per quarter
- › Measurement of milk's electric conductivity per single quarter
- › System integration into the herd management software



PREVENT MASTITIS,  
PROTECT UDDER HEALTH,  
IMPROVE FARM PERFORMANCE



### Advantages

- › REDUCED MILKING TIME
- › REDUCED OVERMILKING
- › EARLY DETECTION OF QUARTER INFLAMMATION
- › REAL-TIME CONTROL OF MILKING PERFORMANCE PER ANIMAL
- › CONTINUOUS MONITORING OF UDDER HEALTH



## MILKIT

The new plug-and-play solution  
for your milking system

**MILKIT** is the complete plug-and-play system for single milking point management. All the electronic and electromechanical milking equipment is pre-assembled and pre-wired in a compact and robust stainless steel cabinet, ensuring simple and fast installation, maximum protection of the components and easy cleaning. The handy and plug-and-play connectors allow quick and efficient milking point wiring. **MILKIT** is designed to upgrade your milking system quickly and with very low investment.



### Innovative functions

- › Pre-assembled and pre-wired milking equipment
- › Plug-and-play connectors for milking point wiring
- › No interruption of milking process during installation
- › No masonry or carpentry work necessary
- › Available versions: **MILKIT 200**, **MILKIT P4C LITE** (ICAR approved) and **MILKIT P4C** (ICAR-approved)



THE MOST PRACTICAL AND  
RELIABLE SOLUTION FOR  
UPGRADING YOUR MILKING  
PARLOUR



### Advantages

- › SIMPLE AND FAST INSTALLATION
- › MAXIMUM PROTECTION OF THE COMPONENTS
- › SUITABLE FOR NEW OR EXISTING MILKING PARLOURS
- › NO INTERRUPTION OF MILKING PROCESS DURING INSTALLATION
- › INCREASED EFFICIENCY OF THE MILKING PROCESS



Start using **MILKIT** and you will realize straight away that you have never before tried anything like it!



APPROVED

Can be combined with the FFS30 milk sensor or the ICAR approved MEL1000 milk meter



Compatible with cSense™ Tag



Can be connected with Dataflow™ II Milking

## NEED HELP CHOOSING THE RIGHT SOLUTION?

No matter what you are looking for, whether it is a solution with an automatic disconnect or that displays the electrical conductivity per quarter, there is a MILKIT suited for your needs

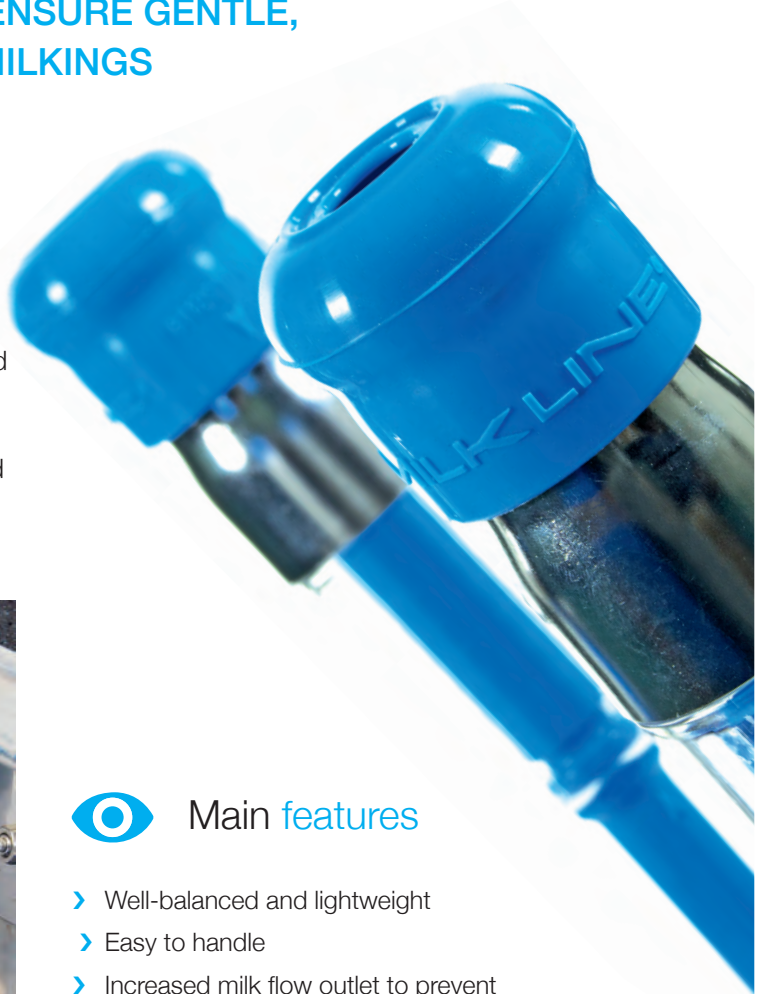
	MILKIT 200	MILKIT P4C LITE	MILKIT P4C
Milking control unit	ED200	MILPROP4C	MILPROP4C
Milk flow controlled pulsation	✓	✓	✓
Automatic stimulation	✓	✓	✓
Automatic cluster removal	✓	✓	✓
Milk measuring	FFS30	MEL1000	MEL1000
ICAR approval	-	✓	✓
Low milk yield alert (only with identification)	✓	✓	✓
Milking 'stop' function per quarter	-	-	✓
Milk electric conductivity of each quarter	-	-	✓
Signaling of quarter inflammation	-	-	✓



# Milking clusters

## MILKLINE'S MILKING CLUSTERS ENSURE GENTLE, EFFICIENT AND COMFORTABLE MILKINGS

Milking clusters with the right combination of components for a given milking system significantly improve milking productivity and ensure comfortable milking for both operators and animals. Milkline offers a wide selection of milking clusters to meet your specific requirements. Their ergonomic design makes them easy to handle, allowing safe and efficient milking with minimal operator effort. The combination of the different components has been specifically designed to provide a well-balanced and lightweight cluster, ensuring improved milking performance and preserving udder health.



### Main features

- › Well-balanced and lightweight
- › Easy to handle
- › Increased milk flow outlet to prevent milk flow return
- › Optimal vacuum stability
- › Various configurations depending on animal breed and milk production

- 💧 GENTLE, QUICK AND COMPLETE MILKINGS
- 💧 IMPROVED MILKING PERFORMANCE
- 💧 PROTECTED UDDER HEALTH





## Main products

### ML/PL

The **ML/PL** milking cluster is the cost-effective solution for milking your small or mid-size herd. Suitable for milking buckets and milking trolleys.



#### TECHNICAL SPECIFICATIONS

Claw capacity	150 cc
Milk output (inner/outer diameter)	13 x 19 mm
Milk inlet nipples (inner/outer diameter)	10 x 15 mm



### MILPRO 350

The **MILPRO 350** milking clusters are specifically designed for cows with high milk flow. Thanks to the increased milk output and inlet nipples, a fast and constant milk flow is ensured.



#### TECHNICAL SPECIFICATIONS

Claw capacity	350 cc
Milk output (inner/outer diameter)	18 x 22 mm / 16 x 19 mm
Milk inlet nipples (inner/outer diameter)	13 x 15 mm / 10 x 13 mm



### MILPRO 450

The **MILPRO 450** milking clusters are specifically designed for cows with high milk flow. Thanks to the increased milk output and inlet nipples, a fast and constant milk flow is ensured.



#### TECHNICAL SPECIFICATIONS

Claw capacity	450 cc
Milk output (inner/outer diameter)	18 x 22 mm
Milk inlet nipples (inner/outer diameter)	13 x 15 mm / 10 x 13 mm





## DYNAMICP4C

### The innovative solution for quarter-based milking

The **DYNAMICP4C** milking cluster is equipped with a patented deflector that keeps milk flow independent per quarter and measures milk electric conductivity of each quarter through four built-in conductivity cells.



Plastic protection on the liner connection to the claw



Milking's teat cup, liner and protection ring combination provides special protection and high resistance



The patented Milking MILGRIP handle (optional) provides an ergonomic design



Milk claw with increased milk flow outlet and reduced outlet angle (8°) for highly productive animals. Central claw outlet to maximise evacuation capacity



Four-line pulsation tube specifically designed for quarter-based pulsation management



Patented deflector with four independent conductometric cells and milk flow separator per quarter. Its special shape provides vacuum stability and prevents cross-contamination



#### TECHNICAL SPECIFICATIONS

Claw capacity	450 cc
Milk output (inner/outer diameter)	18 × 22 mm
Milk inlet nipples (inner/outer diameter)	13 × 15 mm / 10 × 13 mm



# Liners and tubes

## MILKLINE'S ORIGINAL LINERS AND TUBES ARE SPECIFICALLY DESIGNED TO ENSURE THE BEST MILKING PERFORMANCE

Milkline's comprehensive suite of milking components is meticulously engineered to deliver optimal performance and safeguard animal welfare. At the heart of this system are the liners - the only parts that directly interface with delicate cow teats. Specially blended to conform precisely to udder morphology, Milkline liners ensure vacuum stability and preserve teat health, all while complying with the strictest food safety regulations and offering exceptional durability. Complementing these specialized liners are Milkline's high-quality, durable tubes - designed to withstand the rigors of the milking process while maintaining flexibility and enabling thorough, hygienic cleaning. By thoughtfully addressing every element of the milking machine, Milkline empowers dairy farmers to maximize efficiency and animal welfare, delivering the optimal milking experience for both herd and operator.



### MILKLINE LINERS:

- 💧 MAXIMISES MILKING PERFORMANCE
- 💧 PROTECTS TEAT HEALTH
- 💧 PROVIDES GENTLE MILKING

### MILKLINE TUBES:

- 💧 IMPROVED MILK QUALITY
- 💧 STIFFNESS AND FLEXIBILITY
- 💧 LONG-LASTING

### 👁 Liners Main features

- Silicone or rubber liners
- Elasticity and softness
- Maximum hygiene
- Long lasting

### 👁 Tubes Main features

- Full assortment of various materials and sizes
- Extremely resistant to fat, water, detergents and atmospheric agents
- Smooth inner and outer surface
- Wide range of Milkline milk and pulsation original tubes



# Milking technology for sheep and goats

## MILKLINE HAS DEVELOPED RELIABLE MILKING SOLUTIONS TO IMPROVE THE PROFITABILITY OF SHEEP AND GOAT FARMING

Sheep and goat farming requires specialised milking equipment in order to simplify the general running of the farm and increase its profitability. Efficient control and management of the milking process is particularly important in order to guarantee reasonable profitability for sheep and goat farming, since the productivity of each animal is limited and the size of the herd is usually large. The use of precise and reliable milking equipment with advanced control leads to maximised production.



- 💧 EFFICIENT MILKING PROCESS
- 💧 OPTIMISED HERD MANAGEMENT
- 💧 IMPROVED PROFITABILITY



### Main features

- › Advanced and reliable components
- › Easy to install
- › Reduced and easy maintenance
- › Wide range of available Milkline models
- › Data can be transferred to the herd management software

## MILPRO SG SYSTEM

### FFS30 SG

Milkline's **FFS30 SG** is an infrared electronic free-flow milk meter. It allows precise milk flow detection in real time and consistent automatic cluster removal.



#### TECHNICAL SPECIFICATIONS

Product category	Milk flow sensor
Measurement	Infrared technology
Design	Extremely compact
Other features	Kick-off detection Milk sampler (optional)



### ML PROGRAMMABLE

**ML PROGRAMMABLE** is a precise and reliable electronic pulsator that ensures rapid, uniform and complete milkings, preserving sheep and goats' udder health.



#### TECHNICAL SPECIFICATIONS

Pulsation type	Electronic, alternate pulsation
Rate	50 ÷ 180 ppm
Milking ratio	50/50, 60/40, 65/35, 70/30
Operating system	Vacuum, 35 ÷ 50 kPa
Milking programmes	Different milking programmes with specific pulsation setup: <ul style="list-style-type: none"> <li>Six for sheep</li> <li>Two for goats</li> </ul>



### MILPRORED SG

Milkline's **MILPRORED SG** is a milking control unit that allows advanced control and management of the milking process. It is fully programmable and connectable to the herd management software.



#### TECHNICAL SPECIFICATIONS

Milk flow controlled pulsation	Yes
Automatic stimulation	Yes
Automatic cluster removal	Yes
Milk metering technology	FFS30 SG
Data Displayed	Animal ID and milk yield





## PASTORE

Milkline's **PASTORE** milking cluster, thanks to the **automatic vacuum opening system**, combines a fast and effective milking of the animal to a good comfort of use for the operator. Equipped with a transparent ergonomic teat cup shell.



### TECHNICAL SPECIFICATIONS

Cluster weight	0,5 kg
Claw capacity	100 cc
Milk output (inner/outer diameter)	14 x 18 mm
Milk inlet nipples (inner/outer diameter)	10 x 13 mm
Innovative features	The automatic valves of the claw prevent any air filtering during cluster application and removal. Automatic shutdown at 25 kPa.

## ML/OC

Milkline's **ML/OC** milking cluster ensures efficient outflow of high milk-flows while maintaining vacuum stability, thanks to its **increased capacity**. Equipped with a transparent ergonomic teat cup shell.



### TECHNICAL SPECIFICATIONS

Cluster weight	0,52 kg
Claw capacity	150 cc
Milk output (inner/outer diameter)	14 x 19 mm
Milk inlet nipples (inner/outer diameter)	10 x 13 mm

## ML/MF

Milkline's **ML/MF** milking cluster is designed to be combined with the SG milking system with electronic measurement and automatic milking-stop function. The **increased claw capacity** and **lightness of the milking cluster** guarantee a fast and effective milking. Equipped with a transparent ergonomic teat cup shell.



### TECHNICAL SPECIFICATIONS

Cluster weight	0,55 kg
Claw capacity	200 cc
Milk output (inner/outer diameter)	15 x 20 mm
Milk inlet nipples (inner/outer diameter)	9 x 13 mm









# Receivers

## MILKLINE'S MILK RECEIVERS PROVIDE A SMOOTH MILK FLOW AND OPTIMUM HYGIENE

Milkline offers a wide range of milk receivers available in various sizes to meet the needs of any milking system. Thanks to the installation's various configuration options, any parlour layout can be accommodated. Milkline stainless steel receivers are designed to maintain maximum hygiene during milking and cleaning. All Milkline receiver units are equipped with transparent sanitary traps and level sensors (electrode or float) that are automatically cleaned at the end of each milking. Milkline milk receivers create an extremely efficient milking process, as they facilitate regular and proper milk flow.



### Main features

- › High-grade and easy-to-clean materials
- › Fast and easy installation
- › Different sizes available
- › Designed to suit all parlour layouts
- › Very low maintenance

- 💧 EFFICIENT MILKING PROCESS
- 💧 EXCELLENT HYGIENE
- 💧 HIGH-QUALITY MILK





# Milk pumps

## MILKLINE'S STAINLESS STEEL CENTRIFUGAL MILK PUMPS ENSURE OPTIMAL TREATMENT OF THE MILK

Milk pumps enable milk transfer from the receiver to the milk tank. Milk transfer has to be swift and gentle so that no bio-chemical alterations occur within the milk, altering the quality of the product.

Milkline offers a complete range of centrifugal milk pumps, entirely made of high-grade stainless steel and available in several sizes and configurations to suit any milking plant. Milkline's milk pumps ensure gentle and smooth transportation without agitating the milk from the receiver to the milk tank.

We suggest combining them with Milkline's milk pump controller VARIOSPEED, which adjusts milk pump rotation speed according to the actual requirements of the milking plant.



- 💧 HIGH-PERFORMANCE, EFFICIENT PUMPING
- 💧 SMOOTH AND CONSISTENT MILK TRANSFER
- 💧 DURABLE COMPONENTS

### Main features

- › Compact and robust design
- › Milk pumps range from 0.55 to 1.5 kW
- › Single or three-phase models available (230–400 V)
- › With or without cleaning nipples for the sanitary trap
- › Can be combined with the Milkline's milk pump controller VARIOSPEED



# Milk transfer control systems

## MILKLINE'S MILK TRANSFER CONTROL SYSTEMS IS DESIGNED TO PROVIDE EFFICIENT MILK TRANSPORTATION

Milk is very vulnerable to damage caused by agitation, fast transportation and incorrect cooling. The milk pump's rotation speed plays a crucial role in milk quality. Milkline offers LEVEL CONTROL BOX VARIOSPEED, a milk pump controller that enables activation of the milk pump at different and adjustable speeds depending on the process stage (milking or cleaning), the quantity of milk in the receiver and the operating conditions. Four-electrode probes are supplied to facilitate precise and reliable milk-level measurement in the receiver, and the safety function allows faster receiver emptying. Milkline's LEVEL CONTROL BOX VARIOSPEED ensures smooth, gentle and continuous milk transportation, as well as an optimised cleaning process and efficient cooling.



### Main features

- Different settings for milking and cleaning modes
- Adjustable milk pump speed depending on milk levels
- Safety function for quick milk receiver emptying
- Suitable for any size of milk receivers, new or existing
- Functions with all milk pump types



- 💧 SMOOTH AND GENTLE MILK TRANSPORT
- 💧 REDUCED WEAR OF PUMP COMPONENTS
- 💧 LESS POWER CONSUMPTION
- 💧 ENHANCED MILK FILTER AND COOLING PERFORMANCE





## Vacuum pumps

### MILKLINE'S VACUUM EXPERTISE ENSURES RELIABLE TECHNOLOGY

A reliable and consistent vacuum supply is a basic and fundamental aspect in any milking system. Milkline has over 30 years' experience producing vacuum systems, which means that we can offer a truly comprehensive range of vacuum pumps for any type of milking system or herd size: flanged and dry vacuum units, for milking trolleys and buckets, belt-driven/direct-driven and oil-lubricated vane vacuum units for mid- and large-size herds, and lobe pumps for the most advanced requirements.

Milkline offers vacuum units complete with base plate, three-way capillary oiler, silencer and non-return valve, compatible with Milkline's VARIOSPEED VCU drive. The compact design ensures easy installation and minimal maintenance.



#### Main features

- › Compact design
- › Easy installation
- › Wide range of different configurations and accessories
- › Can be controlled by Milkline's VARIOSPEED VCU drive

💧 EFFICIENT AND RELIABLE  
VACUUM SUPPLY

💧 DURABLE

💧 LOW MAINTENANCE





## Main products

### HPU VACUUM UNITS

Milkline's **HPU** vane vacuum units have v-belt transmission and squared pumps to optimise heat dispersion. The three-way capillary oiler ensures precise oil dosing and no waste.



#### TECHNICAL SPECIFICATIONS

Product category/Pump type	Belt-driven and oil-lubricated vane vacuum pump
Airflow capacity [lt/min at 50 kPa]	From 330 to 3,000 l/min
Rpm	From 970 to 1,500
Motor power [kW]	From 0.75 to 7.5
Available configurations	On plate, with or without vacuum tank
Optionals	Hot-dip galvanised vacuum tank – from 22 to 100 l Cyclone oil recirculation system Gear reduction unit Milkline VARIOSPEED VCU

### SILENT

Milkline's **SILENT** vane vacuum units, thanks to direct-drive technology, ensure lower noise operation and guarantee higher performance with less energy consumption.



#### TECHNICAL SPECIFICATIONS

Product category/Pump type	Direct-driven and oil-lubricated vane vacuum pumps
Airflow capacity [lt/min at 50 kPa]	From 430 to 2,100 l/min
Rpm	From 1,370 to 1,400
Motor power [kW]	From 1.1 to 5.5
Available configurations	On plate, with or without vacuum tank
Optionals	Hot-dip galvanised vacuum tank – from 50 to 100 l Milkline VARIOSPEED VCU

### LPU VACUUM UNITS

Milkline's **LPU** vacuum units are extremely high-performance and reliable solutions for advanced milking systems. Thanks to lobe technology, no oil is needed, and minimum maintenance is required.



#### TECHNICAL SPECIFICATIONS

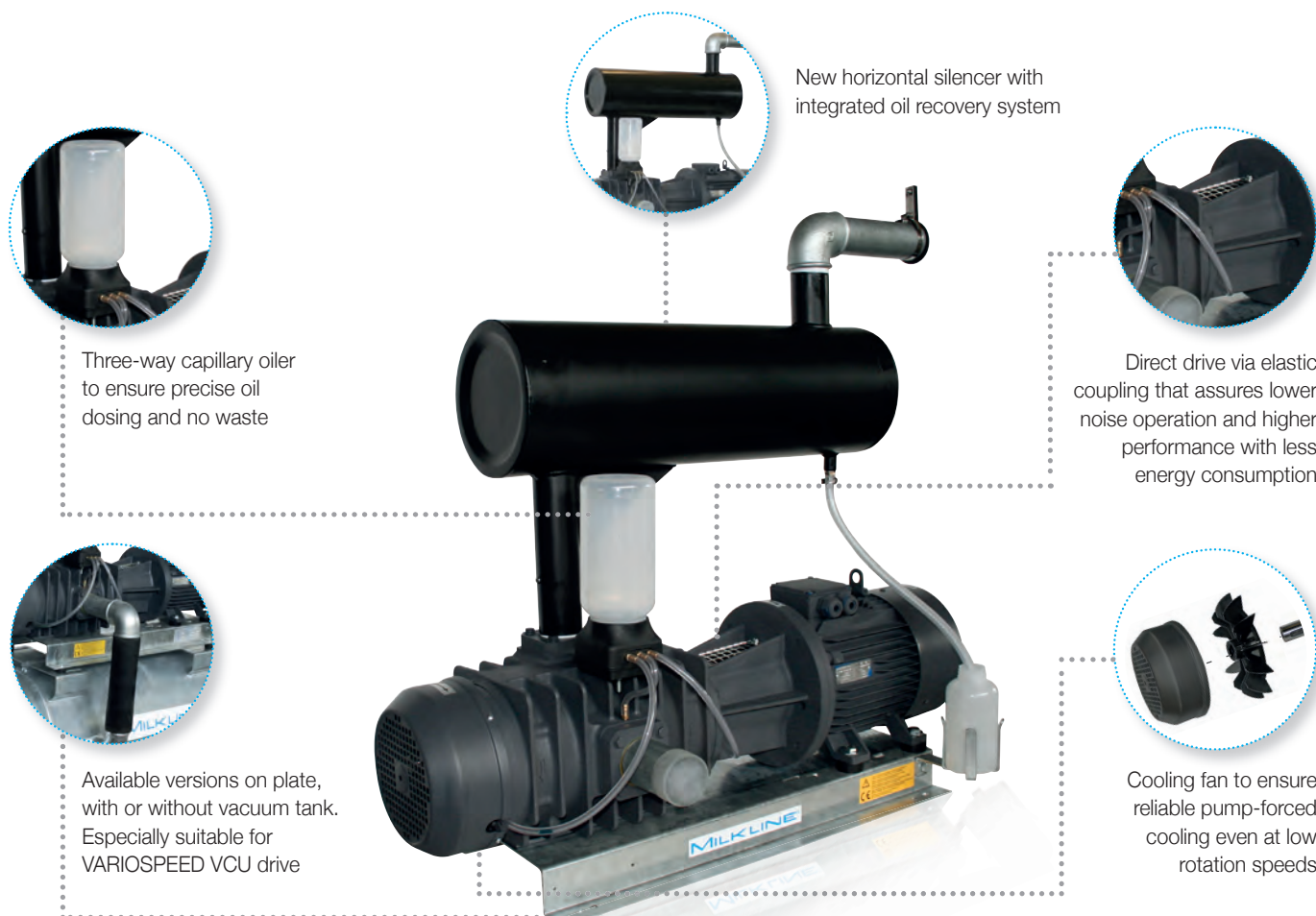
Product category/Pump type	Lobe vacuum pumps
Airflow capacity [lt/min at 50 kPa]	From 2,100 to 4,300 l/min
Rpm	3,600
Motor power [kW]	From 5.5 to 11
Optionals	Automatic belt tensioner Cabinet Milkline VARIOSPEED VCU Milkline LOBE CLEANER, the lobe pump automatic cleaning system



## SILENT VARIO

### Incredibly efficient, absolutely silent

Milkline's **SILENT VARIO** vacuum units are designed to ensure efficient, silent and reliable operation. The direct-drive technology, without belts and pulleys, ensures lower noise operation – 72 dB vs. 80 dB of traditional belt-drive pumps- and guarantees higher performance with less energy consumption.



#### TECHNICAL SPECIFICATIONS

Product category/Pump type	Direct-driven and oil-lubricated vane vacuum pumps
Airflow capacity [lt/min at 50 kPa]	From 950 to 2,700 l/min
Rpm	From 1.370 to 1.400
Motor power [kW]	From 2,2 to 5,5
Available configurations	On plate, with or without vacuum tank Option of installing the vacuum unit 'on the wall' thanks to specific fittings
Optionals	Hot-dip galvanised vacuum tank – from 50 to 100 l



# Vacuum level control systems

## MILKLINE'S VACUUM PUMP CONTROL SYSTEMS IMPROVE MILKING EFFICIENCY AND PROTECT UDDER HEALTH

Vacuum fluctuations can seriously affect the proper functioning of the milking system as well as teat health.

Milkline offers advanced control systems to dynamically control and manage the operation of vacuum pumps, adjusting vacuum levels in accordance to air flow demands. In this way, vacuum fluctuations are dramatically reduced, allowing substantial energy savings and drastic noise reduction.

A sophisticated digital vacuum gauge continuously measures the vacuum levels of the milking system, and the drive increases or decreases the vacuum pump rotation speed according to the real needs of the system at any point during the milking or cleaning process.



### Main features

- Instantaneous air-flow response capability
- Programmable vacuum level
- Selectable milking or cleaning mode
- Different available configurations to best suit any requirements

- 💧 MAXIMUM VACUUM STABILITY
- 💧 DRASTICALLY REDUCED ENERGY CONSUMPTION
- 💧 QUIETER OPERATION



## Main products

### VARIOSPEED VCU

Milkline's **VARIOSPEED VCU** modulates the rotation speed of the vacuum pump in accordance with vacuum flow demands. It ensures maximum vacuum stability during milking and reduces consumption and noise levels.



#### TECHNICAL SPECIFICATIONS

Product category	Variable speed drive
Suitable for	All type of Milkline vacuum units
Motor power range managed	0,75 ÷ 30 kW
Number of vacuum pumps controlled	One or more vacuum pumps simultaneously
Protection class	IP55 or IP66



Ideal with Milkline's DVC100 - Digital Vacuum Controller

### DVC100 – DIGITAL VACUUM CONTROLLER

Milkline's **DVC100** is a precise and accurate digital vacuum controller for the setting and monitoring of milking systems' operating vacuum levels, providing vacuum stability during milking.



#### TECHNICAL SPECIFICATIONS

Product category	Digital vacuum controller
Programmable settings	Milking/cleaning mode Operating vacuum level during milking Operating vacuum level during cleaning Vacuum level threshold for alerts
Information displayed	Operating vacuum level in real time Milking/cleaning mode selected Possible alerts in real time
Innovative function	Alert function



### DVI - DIGITAL VACUUM INDICATOR

Milkline's **DVI100** is a remote digital vacuum indicator that shows operating vacuum levels and alerts in real time, which can be installed where you need.



#### TECHNICAL SPECIFICATIONS

Product category	Digital vacuum indicator
Functioning	Connection to the DVC100 via CAN-bus
Information displayed	Operating vacuum level in real time Alerts in real time





# Cleaning units

## MILKLINE PROVIDES RATIONAL SOLUTIONS TO ENSURE EFFECTIVE AND CONSISTENT MILKING PLANT CIP

Cleaning milking plant at the end of each milking is essential in producing healthy and high-quality milk. Mechanical flow, water temperature, chemical concentrations and running times associated to the correct execution of the different cleaning phases determine the effectiveness of the cleaning process. Milkline offers affordable automatic cleaning systems that control and manage the entire cleaning process, ensuring effective and consistent cleaning-in-place (CIP) of your milking plant. The use of water and detergents is optimised without risk of waste, fully respecting the environment. Milkline provides different solutions to suit any size or type of milking parlour and any requirements.



### Main features

- › Two different boxes to house electronic and hydraulic components
- › Compact design for easy installation
- › Wide range of programmable settings
- › Safety switches for milking/cleaning
- › From basic to advanced solutions to meet any specific requirements

- 💧 USER-FRIENDLY INTERFACE
- 💧 OPTIMISED WATER AND CHEMICAL USE
- 💧 RELIABLE AND EFFECTIVE CLEANING



## Main products

### CLEAN-O-MATIC

Milkline's **CLEAN-O-MATIC** is a simple and cost-effective solution suitable for small and mid-sized milking operations. It is very easy to use as well as reliable.

#### TECHNICAL SPECIFICATIONS

Cleaning programme	Pre-rinse, main wash with detergent, final rinse
Components	Control box with electronic components Washing box with water valves and water-level sensors DN50 drain valve kit
Programmable settings	Duration of each cleaning phase settable
User-friendly interface	LED indicating the cleaning phase currently underway
Optionals	DOSAMATIC: Milkline's automatic detergent doser with two peristaltic pumps Safety switches for milking/washing



### CLEAN-O-TRONIC

Milkline's **CLEAN-O-TRONIC** was developed for mid-sized and large farms. Each cleaning phase is completely programmable, for a versatile and effective cleaning process.

#### TECHNICAL SPECIFICATIONS

Cleaning programme	Full or partial cleaning programmes Up to three rinses settable Optional pre-milking sanitisation
Components	Control box with electronic components Water box with water valves and water-level sensors DN50 drain valve kit
Programmable settings	Over 15 programmable options (e.g.: warm or cold water for the rinses, temperature thresholds for the main wash, duration of each cleaning phase)
User-friendly interface	LED indicating the cleaning phase currently underway Temperature monitoring
Optionals	DOSAMATIC: Milkline's automatic detergent doser with two peristaltic pumps Safety switches for milking/washing Heater Extra water valve





## CLEAN-O-SMART

The most advanced automatic cleaning system to maximise your milk income

Milkline's **CLEAN-O-SMART** is the new automatic cleaning system to keep your milking plant perfectly clean and sanitised, avoiding waste of chemicals and water. This daily task will be performed automatically and efficiently, allowing you to maximise your milk income and save on labour costs.

### USER-FRIENDLY INTERFACE

Color TFT display and ergonomic membrane keyboard

### EASY MAINTENANCE

Thanks to the self-test feature for troubleshooting and the specific notifications, you will always know what abnormalities occur to promptly intervene

### FULLY PROGRAMMABLE

Over 45 programmable parameters to entirely customize each cleaning phase

### SIMPLE AND INTUITIVE OPERATION

Full control over the cleaning process

### COMPACT AND ROBUST DESIGN

IP66 Stainless Steel Boxes to guarantee maximum protection of the components

### TWO SEPARATE MODULES

This solution provides maximum safety and isolation of the electronic components

### HIGHLY CUSTOMIZABLE

Wide range of optional to best meet your needs and saving your costs



### TECHNICAL SPECIFICATIONS

Cleaning programme	Fully programmable cleaning programs You can build your own cleaning programs by choosing and setting each phase
Components	Control box with all the electronic components Washing box with the hydraulic equipment and optionally dosing pumps Three-way DN50 drain valve kit
Programmable settings	Over 45 programmable parameters
User-friendly interface	Real-time display of temperature, cleaning phases, running time, alerts and notifications On-line help for a simple programming
Optionals	Automatic chemical dosing: up to three dosing pumps availables Safety switches for milking/washing Water Recycling Kit Extra-water valve

# Accessories

**MILKLINE OFFERS A WIDE RANGE OF ACCESSORIES TO OPTIMISE THE CLEANING OF YOUR MILKING SYSTEM**

## DOSAMATIC 2

Milkline's **DOSAMATIC 2** dispenses the exact amount of acid/detergent necessary for an accurate cleaning of the milking system, avoiding unnecessary waste or risks due to inadequate dosage.



### Main features

- › Automatic dosage of alkaline and acid detergents
- › Suitable for CLEAN-O-MATIC and CLEAN-O-TRONIC
- › Programmable product dosage
- › Easy to use



## WASHING STATIONS

Milkline offers different options and configurations for washing stations to best suit your milking units, ensuring effective cleaning-in-place (CIP).



### Main features

- › Stainless steel supports or free bracket
- › Folding or fixed version
- › With or without cover box
- › Rubber cups or plastic shell hooks to ensure optimal fitting with liners
- › Stainless steel cover for parallel milking parlours



## WASH TROUGH

Milkline offers wash troughs of different shapes and sizes depending on the amount of water necessary for the CIP process.



### Main features

- › Stainless steel or plastic structure
- › Water capacity ranging from 60 to 750 l
- › Open horizontal shape or closed cylindrical shape
- › Couplings water suction and re-circulation available for cylindrical version





PRODUCING HEALTHY AND HIGH-QUALITY MILK DEPENDS  
ON FOLLOWING PRECISE AND RIGOROUS HYGIENE RULES



- Milk filters .....52
- Accessories for parlour cleaning  
and hygiene.....53
- Accessories for udder hygiene.....54

# MILK QUALITY & ANIMAL HEALTH

MILKING PROCESS HYGIENE  
AND HEALTHY UDDERS ARE  
KEY FACTORS IN PRODUCING  
TOP-QUALITY MILK, AND IN  
FULFILLING CONSUMER AND  
DAIRY INDUSTRY DEMANDS  
WHILE COMPLYING WITH  
EXISTING REGULATIONS.

Milkline provides a wide range  
of reliable and effective cleaning  
and sanitisation products for  
milking parlours and udder care.  
Milkline’s products guarantee  
animal health, high-quality milk  
and excellent results in terms  
of effective hygiene.





## Milk filters

### MILKLINE'S MILK FILTERS ENSURE EFFECTIVE FILTRATION TO ALLOW YOU TO PRODUCE MILK OF THE HIGHEST QUALITY

Milk filters are essential components in preserving milk quality.

They enable the raw milk to be separated from any solid particles, preserving milk quality and protecting the milking and cooling equipment. They also provide a valuable indication of the animal's udder health and the milking system's cleaning status.

Milkline's milk filters ensure safe and efficient filtration, allowing high-quality milk production with preserved organoleptic and nutritional properties.

They are food-grade certified and available in different shapes and sizes to best suit your milking system and your hygiene requirements. Regularly replaced, Milkline's milk filters facilitate first-rate hygiene.



#### Main features

- › Milk filter type: sock or sleeve
- › Seam type: glued, sewn or welded
- › Different available thicknesses and sizes
- › Maximised wet strength
- › Milk filter disc: specific to milking buckets and trolleys

- 💧 SAFE AND EFFICIENT FILTRATION
- 💧 OPTIMAL FLOW RATE
- 💧 PRESERVED MILK QUALITY







# Accessories for parlour cleaning and hygiene

## BRUSHES

Milkline offers a complete assortment of brushes for high-performance manual cleaning of milking equipment and tanks. The ergonomic design allows for easy and effective manual cleaning.



### Main features

- › Different shapes and sizes depending on milking equipment to be cleaned
- › High-quality materials
- › Able to withstand extreme temperatures and cleaning compounds
- › Easy handling
- › Ergonomic design



## SURFACE CLEANING

Milkline's floor cleaners remove dirt and deep-clean floors to ensure a healthy and hygienic working environment.



### Main features

- › Galvanised steel body
- › Rubber blade, replaceable
- › Resistant to ammonia
- › Aluminium handle of different lengths



## CLEANING NOZZLE

Milkline offers a wide range of cleaning nozzles for accurate water dispensing, avoiding waste and allowing savings.



### Main features

- › Single or multi-jet
- › Different material body: aluminium, nylon and aluminium, plastic, rubber or chrome-plated brass
- › With or without adjustable water jet
- › Sealed, to avoid water leaks





# Accessories for udder hygiene

## DIP CUPS

AMBIC dip cups are ideal for pre and post-dipping applications. Easy to handle and made of high-quality material, they facilitate correct teat cleaning.

### Main features

- › Complete range of dip cups
- › Designed for foaming or non-foaming detergents
- › With one or two internal dispensing tubes
- › Non-return valve
- › Pneumatically controlled option



## CLASSIC TEAT SPRAY

AMBIC Classic Teat Spray is easy to install, requiring only an electric drill. The unit feeds from a standard chemical container and automatically regulates its own pressure. It has a liquid-pressure reservoir to ensure a constant, stable supply of chemical to the spray guns. For safety, a dump valve depressurizes the system after milking, also back-flushing any sediment buildup.

Once installed, the unit activates automatically when the vacuum pump is switched on, reaching working pressure in under a minute. Spraying is instantaneous on pressing the gun trigger. The Classic Teat Spray is made of plastic and rubber, resistant to teat spray chemicals, unaffected by temperature or humidity, and maintenance-free.



### Main features

- › Fully vacuum operated - no electricity required
- › Switches on and off automatically with the milking system
- › Pressure relief valve depressurises the system when switched off and back flushes the chemical intake filter
- › Retractable coil with built-in memory
- › 3 guns included





MILK COOLING AND STORAGE IS A CRUCIAL PROCESS  
IN PRESERVING THE QUALITY OF YOUR MILK



• Cooling tanks.....56

# MILK REFRIGERATION

AFTER MILKING, RAW MILK REQUIRES SPECIFIC ENVIRONMENTAL CONDITIONS TO MAINTAIN ITS QUALITY. INCORRECT MILK COOLING AND STORAGE GREATLY AFFECTS THE QUALITY OF THIS DELICATE PRODUCT, DECREASING FARM PROFITABILITY.

Milkline's solutions for cooling and storing raw milk allow you to enhance milk quality and maximise your profits. Milkline's systems ensure fast, stable and reliable milk cooling and optimise energy consumption, granting your milk top quality and preserving the profitability of your farm.





## Cooling tanks

### MILKLINE'S COOLING TANKS ENSURE FAST COOLING AND MAXIMUM HYGIENE TO OPTIMISE YOUR MILK INCOME

Milkline offers a wide range of cooling tank variants and capacities to best suit your milk yield and your farm space. Milkline's cooling tanks are insulated with high-density CFC-free polyurethane foam, making them environmentally friendly and avoiding energy losses. Non-icing cooling is guaranteed even with low filling milk levels to ensure optimal milk storage in any conditions. The inner tank and outer casing are made of AISI 304 stainless steel with perfectly smooth surfaces for easy cleaning and maximum hygiene.

You can choose from simple and basic solutions to the most advanced with controller systems to automatically manage both cooling operations and the cleaning process.



#### Main features

- › AISI 304 stainless steel construction
- › Vertical tanks or cylindrical shape, closed or open
- › Volumes ranging from 100 to 16.000 litres
- › Solutions with advanced control technology and alarms
- › Automatic cleaning system available

- 💧 PRESERVED MILK QUALITY
- 💧 LOWER ENERGY CONSUMPTION
- 💧 MAXIMUM RELIABILITY





FEEDING ANIMALS THE CORRECT DIET AND SATISFYING  
THEIR NUTRITIONAL NEEDS IS A CRUCIAL MANAGERIAL TASK



- In-parlour feeding system .....58
- Out-parlour feeding system .....59
- Calf, lamb and baby goats feeders .....60

FEEDING

NUTRITION HAS A HUGE  
IMPACT ON ANIMAL HEALTH  
AND PRODUCTION.  
FEED YOUR ANIMALS  
PROPERLY AT ALL STAGES  
OF THEIR LIFECYCLE.  
IT IS THE KEY TO FULLY  
MAXIMISING THEIR  
PRODUCTIVE POTENTIAL.

Milkline’s automatic  
feeding systems allow the  
implementation of a correct  
feeding routine with all other  
barn activities, simultaneously  
improving farm efficiency  
and farmers’ quality of life by  
reducing food waste and time  
dedicated to feeding  
the animals.





## In-parlour feeding system

### MILKLINE OFFERS THE MOST EFFICIENT AND COST-EFFECTIVE SOLUTIONS FOR IN-PARLOUR FEEDING

Milking is a crucial phase in milk production. Feeding animals while milking is useful in maintaining and increasing milking performance. In-parlour feeding is the best solution for satisfying the nutritional needs of each animal.

Milkline's in-parlour feeding system consists of an automatic feed dispenser placed in the milking parlour close to the animal, so it can deliver with precision any calibrated amount of concentrate feed. In this way, feeding the correct ration to each animal becomes easy and efficient, both for the farmer and for the animal. The modular frame, with a stainless-steel manger, is adaptable to any herringbone parlour layout.



Specific dosing system that accurately releases quantities of up to 35 grams



#### Main features

- › Hot-dip galvanised frame
- › Automatic or manual function
- › No cover material: no hiding place for dirt or feed residue
- › Perforated for water drainage



- 💧 TALL MANGER FOR OPTIMAL FEED INTAKE
- 💧 SPECIAL COW-FRIENDLY FRAME
- 💧 EASY TO INSTALL







# Out-parlour feeding system

## MILKLINE'S AUTOMATIC FEEDING STATION HELPS YOU INCREASE YOUR PROFITS BY FEEDING COWS ON AN INDIVIDUAL BASIS

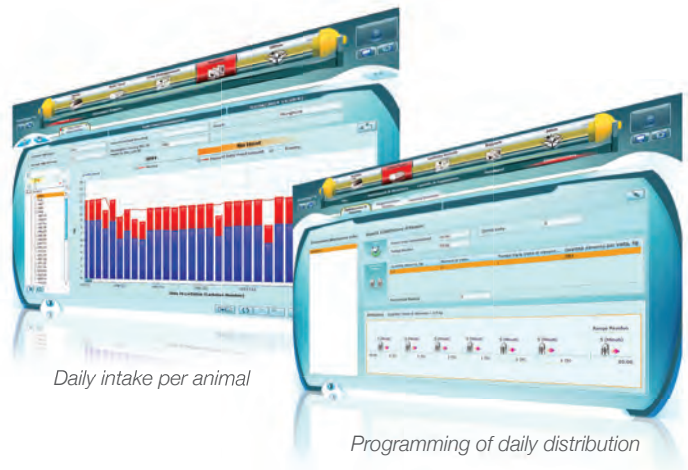
The precise and reliable management of concentrate diet per animal ensures healthy and highly productive cows. Milkline's feeding station automatically delivers programmed and balanced doses to each animal according to a dynamic nutritional plan based on the real needs of the animal. Small, precise portions of the ration are distributed throughout the day, in keeping with the natural behaviour of your cows. The system is completely and easily controlled by the DATAFLOW™ II herd management software. Through specific algorithms based on biometric data, such as milk production, lactation status and rumination level, it calculates in real time the correct amount of concentrate to be distributed.



### Main features

- Special box in galvanised steel, manger in stainless steel
- Side barriers and rear gate (optional) to reduce competition with the herd
- Real-time intake monitoring for instant management of dismetabolic problems
- Up to four different types of food, including liquid food
- Simple and user-friendly operation with DATAFLOW™ II herd management software

- 💧 COMPACT DESIGN
- 💧 NO BLIND SPOTS FOR COW'S COMFORT
- 💧 SEVERAL CONFIGURATIONS AND OPTIONS AVAILABLE





## Calf, lamb and baby goat feeders

### FEEDING SOLUTIONS SUPPORT YOU OPTIMIZING THE FEEDING MANAGEMENT OF YOUR YOUNG ANIMALS

First days of life are the most crucial for your animals, especially concerning feeding. Furthermore, feeding your animals efficiently during all their growth, is the key to reduce health problems and lay the foundations for the future success of your farm. Milkline offers smart solutions to rationalize the routine of feeding calves and lambs, improving your productivity and labor throughput. You can choose from basic to the most advanced solution that automatically dose precise small portions of fresh milk, according to an established feeding plan based on specific parameters. Your routine is improved as milk portions are preset, the temperature is constantly monitored and the risk of feeding mistakes is minimized.



#### Main features

- › For calves, lambs and baby goats
- › Innovative automatic mixing and heating system
- › Tank made of easy-to-clean, polished stainless steel
- › Automated individual feeding and mobile systems
- › Modular system to fit your herd dimension

- 💧 QUICK AND RELIABLE MIXING
- 💧 CONSTANT TEMPERATURE OF THE MILK FROM THE MIXING TO THE ANIMAL
- 💧 ACCURATE AND PRECISE DOSAGE





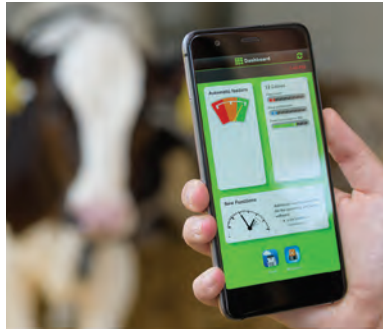


## COMPACT AND VARIO CALF FEEDERS

The **COMPACT** model can feed, with freshly prepared feed, up to 50 calves at two suckling stations and is therefore ideal for small farms. The **VARIO** model is best suited for large farms and is able to feed up to 120 calves simultaneously at four suckling stations. Both the COMPACT and VARIO models are available in versions that manage powdered milk only, as well as combined versions for powdered milk and whole milk.

### CalfApp & CalfCloud

The practical management tools CalfApp and CalfCloud are the ideal supplement to the internet-capable VARIO and COMPACT smart automatic feeders. They provide access to all automatic feeder and calf data, with a clear and user-friendly design. CalfCloud allows you to conveniently



TECHNICAL FEATURES	COMPACT	VARIO
Maximum number of stations	2	4
Maximum number of stations that can be powered simultaneously	1	4
Max number of calves per station	25	30
Max number of calves	50	120
Capacity milk powder hopper	35 kg	35 (+15) kg

## ECO LAMB AND KIDS FEEDERS

The automatic **ECO** milkers for lambs and kids are a real help for your farm! With a single milker you can feed up to 240 kids or lambs safely and reliably. The machine manages the AD LIBITUM distribution of feed which consists of water and powdered milk quickly prepared hot every time, in small portions, in the dedicated mixer. The kids or lambs ingest the feed through a teat when they want to. The water remains constantly at the set temperature, thanks to the special integrated boiler.

## MILCHMOBIL NEXT

**MILCHMOBIL** is a comfortable and sturdy solution, able to save you a lot of time and energy when distributing milk to calves in individual boxes or igloos. With MilchMobil, mixing, heating, transporting and dosing the feed are significantly easier and faster. Available in 120, 200 and 300 liter versions, also with an integrated pasteurizer for the 200 and 300 liter versions.

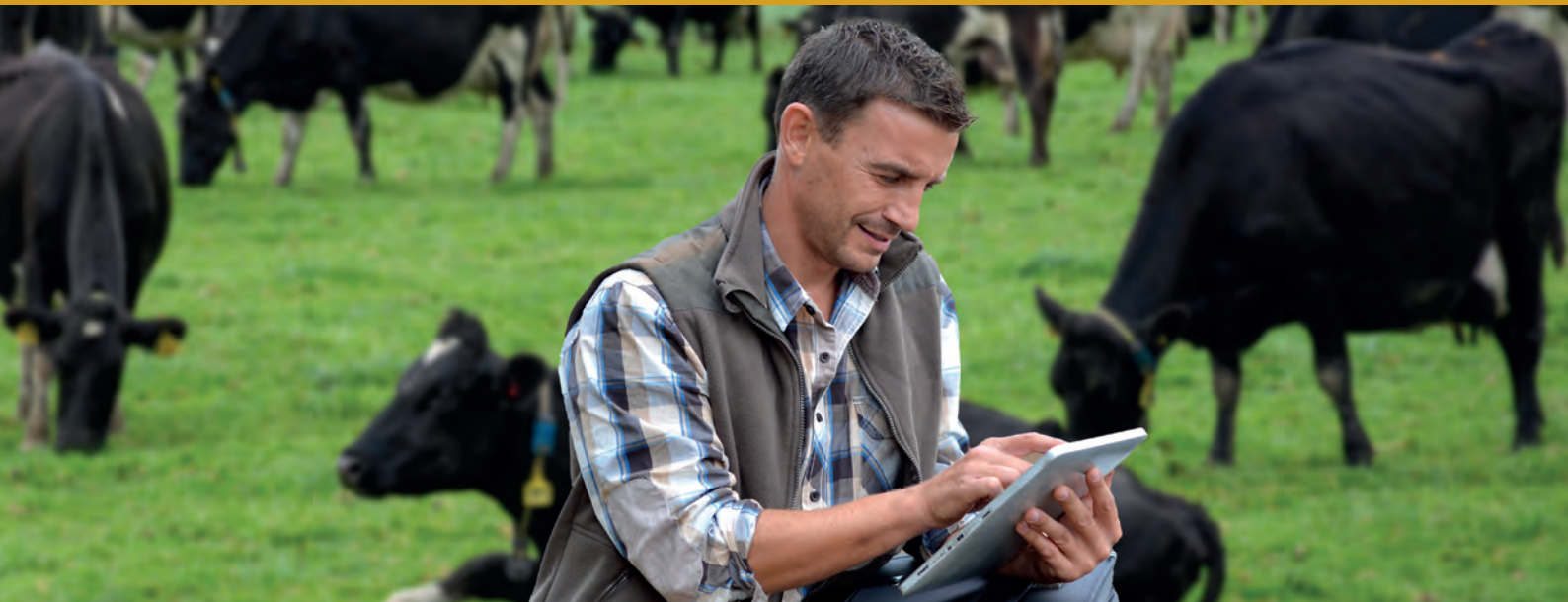








RATIONAL MANAGEMENT OF YOUR FARM CAN HELP YOU  
INCREASE PRODUCTIVITY AND PROFITABILITY



- DataFlow™ II.....64
- Electronic Identification (RFID) .....66

# FARM MANAGEMENT

MANAGING A DAIRY FARM  
IS A VERY DEMANDING JOB,  
AS IT REQUIRES BRINGING  
COMPANY GOALS IN LINE  
WITH THE DAILY NEEDS OF THE  
ANIMALS. MILKLINE OFFERS  
PROFESSIONAL SOLUTIONS  
FOR THE MANAGEMENT OF  
YOUR DAIRY BUSINESS.

Milkline’s integrated and modular  
solutions allow you to implement  
automatic and rational processes  
to maximise production and  
profit. These advanced systems  
combine business management  
and hard work with animals into  
one easy and efficient process,  
saving labour and time.





## DataFlow™ II software

### A COMPREHENSIVE, INTEGRATED SOLUTION FOR MILKING MANAGEMENT AND HERD MONITORING.

DataFlow™ II is a PC-based software that offers real-time information on cow fertility, health, feed management, milking process, and milk yield.

It provides farmers with advanced management tools like reports, graphs, and analyses for effective decision-making. The user-friendly interface is intuitive, and the program can be customized to suit the farmer's needs. DataFlow™ II is the central component of a modular system that allows farmers to select the combination of features that best aligns with their farm's requirements. Thanks to the NUMEROUS FUNCTIONS available, it is possible to address different aspects of farm management.



### Main features

- Always in touch with your herd
- Simplifies monitoring and enables efficiency
- Excellent management for the highest profit
- DataFlow™ II MOBILE APP compatible with 2 platforms

Animals are identified using the cSense™ sensor, which is attached to a collar designed to stay properly positioned on the animal's neck without affecting their normal behavior.

- 💧 COMPLETE CONTROL OF YOUR HERD IN REAL TIME
- 💧 HISTORICAL DATA RECORDED FOR EACH ANIMAL
- 💧 EASY TO CONSULT AND INTUITIVE THANKS TO GRAPHS AND TABLES





## SELECTION GATE

The selection gate automates the separation of animals needing special attention, like those for insemination, drying, or veterinary examination.

DataFlow™ II directs these cows to a dedicated box, eliminating manual searching and individual separation. This simplifies the farmer's tasks and improves animal welfare by isolating only the targeted animals while allowing the rest to return to their group stress-free.



## WALK-THROUGH SCALE

The electronic walk-through scale weighs cows as they exit the milking parlour, without disrupting their return to their groups.

Daily weighing enables the farmer to track body weight changes, linking them to health status and milk yield. DataFlow™ II detects significant weight loss after calving, helping identify cows with significant negative energy balance.





# Electronic identification (RFID)

## MILKLINE'S ELECTRONIC RFID SYSTEM ALLOWS THE RELIABLE AND CONSISTENT IDENTIFICATION OF YOUR ANIMALS

Electronic RFID is a simple and effective way of reliably and univocally identifying and tracking your animals. This system takes advantage of RF ISO technology and was specifically developed as a cheaper solution to other systems for milking parlour identification. A dedicated antenna panel reads the transponder number placed in the ear tag or in the ruminal bolus; each animal is immediately paired to the relative milking point. Milk production, milk flow and many other information are quickly registered, transferred and processed by the DataFlow™ II herd management software.



### Main features

- Fully compatible with HDX and FDX RF transponders
- Suitable for any herd size
- Easy to install
- Real-time updated information
- Suitable for parallel and herringbone milking parlours

- 💧 RELIABLE ANIMAL IDENTIFICATION
- 💧 LOW-COST INVESTMENT
- 💧 LONG-LASTING





# MILKLINE

## DAIRY SERVICE



Milkline is a big family that loves following and most of all looking after its clients, thanks to the timeliness, ability and professionalism of its dealers.

Our goal is to ensure a continuous and maximum yield, safeguarding the animal wellness.

The quality of our services will not be possible without a well-oiled team, great passion for our job and widespread global network. This is how Milkline, which was founded in Italy in 1976, has reached by now the top of the global market. We pay great attention to our clients' requirements and needs because we believe that only a customised service is synonymous with true effectiveness. This is why a team of dealers, easily accessible and highly skilled, is at your

disposal to ensure professional advice and scheduled checks of your equipment, and also to intervene promptly in case of emergency.

During the start-up of the system our dealers provide a professional training to optimize milking operations and system utilization, scheduled controls and customize advice according to the herd size, the number of milking points, the milking and cleaning time of the system.

# MILKLINE® — STORE —

The easiest way to order



The MILKLINE STORE is an online platform dedicated to our Customers where you can view real-time prices and inventory, easily find products on sale and place and track your orders.

This platform is designed to make the ordering process simpler and faster for everyone:

1. You add the products you want to your shopping cart and submit the order with a single click.
2. Our Order Desk receives your order and processes it as a priority.
3. You receive the order confirmation as usual, and can monitor the order status on the website.

**JOIN NOW**

**2%**  
EXTRA DISCOUNT

*ordering  
through  
our portal*

What are you waiting for? Place an order now from:  
[www.milkline.com/store](http://www.milkline.com/store)







# MILKLINE®

COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV  
ISO 9001



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