

PRODUCT CATALOGUE

A WIDE RANGE OF PRODUCTS
JUST FOR YOU



MILKING



MILK QUALITY AND
ANIMAL HEALTH



REFRIGERATION



FEEDING



FARM MANAGEMENT



BARN ENVIRONMENT



ANIMAL COMFORT

MILKLINE®

MILKLINE®

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WELCOME TO THE **MILKLINE** PRODUCT CATALOGUE

Choose the best: choose Milkline.

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



Welcome to Milkline's Product Catalogue and solutions.

Inside you will find a wide range of products and complete systems for the production of milk and animal care around the world.

It is innovative, effective and reliable, ensuring maximum high-quality production.

Look through the following pages to find the ideal solution for your needs.

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



MILKING

MILKLINE'S MILKING SYSTEMS ARE INTEGRATED SOLUTIONS DESIGNED TO MEET YOUR NEEDS WHEN IT COMES TO QUALITY, COMFORT AND PROFITABILITY. TELL US YOUR NEEDS AND WE'LL PROVIDE THE SOLUTION.

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.

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Milking parlour frames

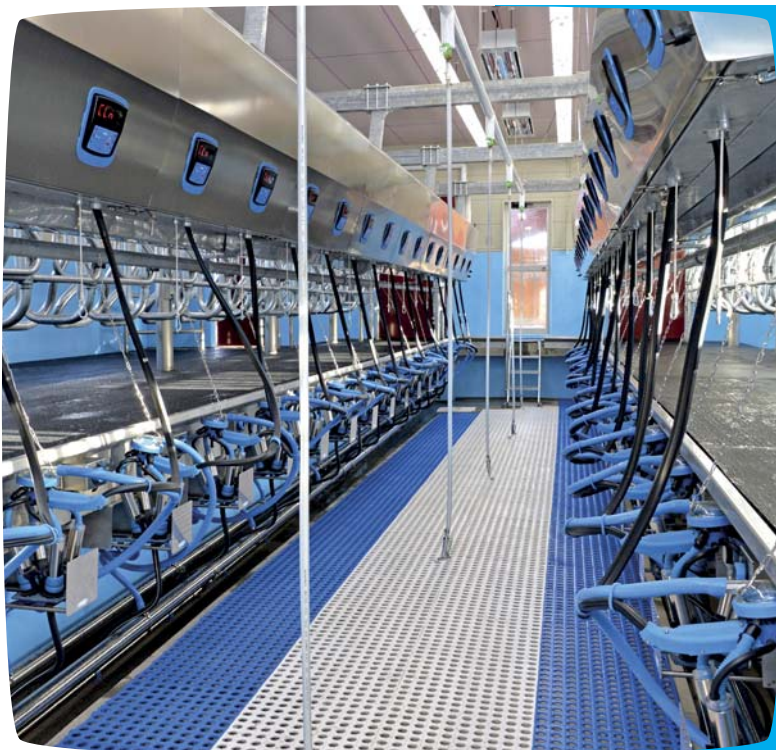
MILKING IS ONE OF THE MOST SENSITIVE AND IMPORTANT STAGES IN DAIRY FARMING

Milkline's milking parlours guarantee high-performance milking with top-quality results

During milking, it is important to ensure good animal health, avoid stress and optimise milk yield and quality. It is also essential to guarantee operator comfort and safety, allowing a consistent milking routine and good management of the milking process.

Milkline's milking parlours use first-rate technology to guarantee high-performance milking, with top-quality results and ease of use for the customer.

Milkline's qualified and professional network of suppliers and distributors will support you on system planning, installation and commissioning.



THE RIGHT
PARLOUR
SOLUTION FOR
MORE EFFECTIVE
AND PROFITABLE
MILKING

Tandem




MILKLINE'S TANDEM MILKING PARLOURS ENSURE HIGH EFFICIENCY AND INDIVIDUAL ANIMAL CARE

Milkline's tandem milking parlour is suitable for small herds and buffalo milking. The tandem configuration, characterised by individual boxes and side milking, offers a full-length view of the animal and an independent single-stall milking process. These parlour features allow easy and safe human-animal interaction, individual animal attention and single stall higher efficiency, providing a faster milking process and individualised milking. Milkline's tandem milking parlours can be fully customised thanks to the wide range of available options. For more advanced needs, Milkline has developed auto-tandem, a fully automated solution to further optimise labour-saving and efficiency.



Main features

- > Hot-dip galvanised steel structure
- > Stainless steel pit edge protection
- > Cow traffic control: manual or semi-automatic
- > Modular design for variable positioning of the milking stalls and potential expansion
- > Stairs to milking pit
- > Full integration with Milkline's milking solutions

-  EASY ACCESS AND HIGH ANIMAL VISIBILITY
-  SINGLE STALL HIGHER EFFICIENCY
-  INDIVIDUALISED MILKING

Options

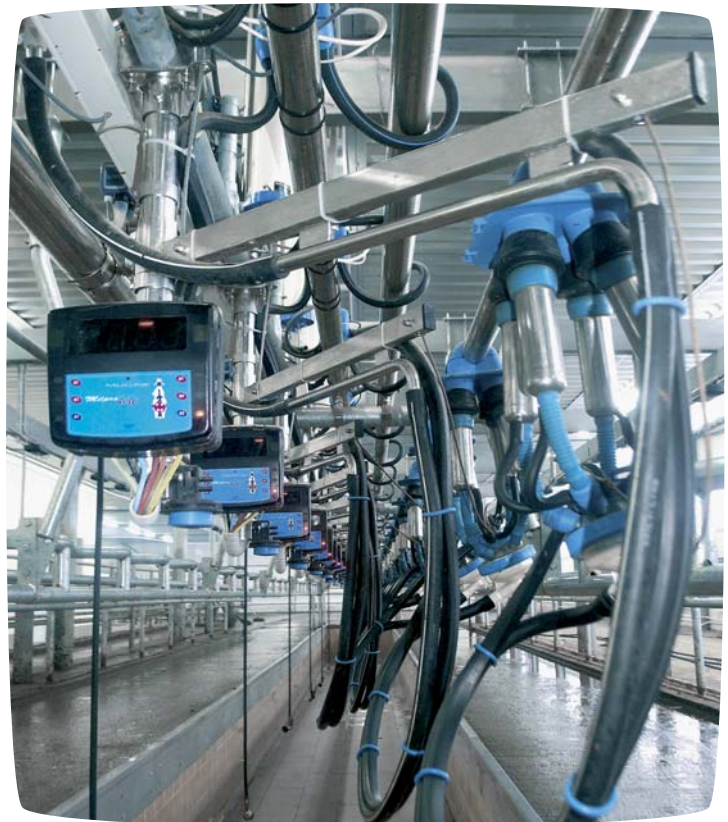
- > Automatic cow traffic control (auto-tandem)
- > Pneumatic single stall entrance/exit gate control
- > Reinforced frames for buffalo
- > In-parlour feeding



Topswing

MILKLINE'S TOPSWING MILKING PARLOUR MAXIMISES EFFICIENCY AND COMFORT WITH LOW INVESTMENT COSTS

Milkline's topswing milking parlour guarantees time savings and increased throughput with reduced investment costs. This milking parlour has a special herringbone layout with dedicated swing over milking arms that allow the use of the milking units alternatively on both sides. Moreover, the fully suspended heavy-duty milking stalls ensure fast animal positioning and exit, increasing cow-traffic efficiency. Milkline's topswing milking parlour allows quick and continuous milking even if each milking unit serves two milking stalls. Thanks to the rational design of the milking system, comfort for both operator and animal is optimised. Different options are available to meet your specific requirements.



Main features

- › 60° herringbone milking stalls
- › Fully suspended heavy-duty parlour frames
- › Milking starts automatically when topswing arm swings out
- › Manual control of the entrance/exit gates from different points of the milking pit
- › Stairs to milking pit
- › Full integration with Milkline's milking solutions



TIME-SAVING



LOW INVESTMENT COSTS



COMFORT FOR BOTH ANIMAL AND OPERATOR



Options

- › Indexing: adjustable front barrier
- › Electronic control of the entrance/exit gates from different points of the milking pit
- › Pneumatically operated entrance/exit gates
- › Suspended rear barrier

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 angled rump rails and 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
- > Milkline's MILKIT available (see pages 30-31)



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

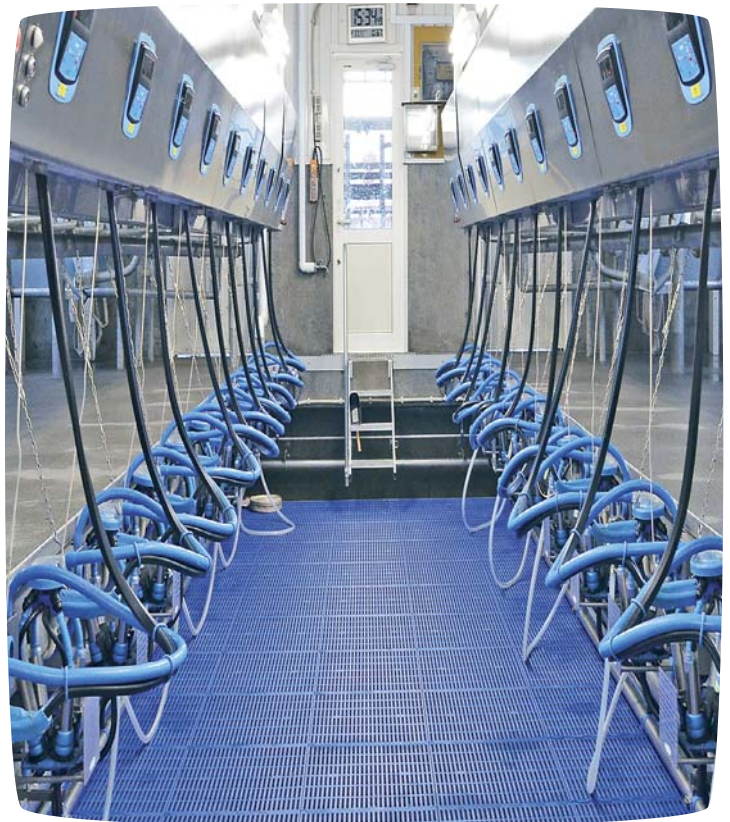




Parallel

MILKLINE'S PARALLEL MILKING PARLOURS SIGNIFICANTLY INCREASE THROUGHPUT WHILST 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.



Main features

- › 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 PROACTIVE

Specific Features

- › 2" front barrier
- › Suspended sequential gates
- › Vertical lift front barrier
- › All indexing pneumatically controlled
- › Suspended front barrier



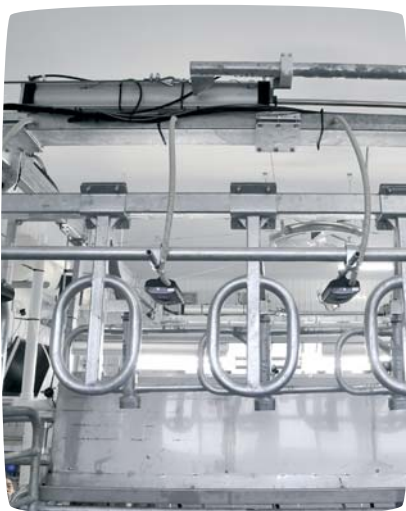
PARALLEL SIDE BY SIDE

Specific Features

- › Side exit
- › Wall-mounted front barrier

Specific Options

- › Suspended sequential gates



Proactive frame



Proactive front barrier during indexing



Side by side frame

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
- > Electrical signals to dump feed at right moment
- > Back gate
- > 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*
- › Stainless steel detacher rope
- › Available sizes = 28–80 milking stalls

Specific Options

- › Support hose
- › Shaped retention bar
- › Stainless steel cover over piping

*On request, available version without single stall cabinets.



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
- › Full integration with Milkline's milking solutions

-  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



Tie-stall milking

TIE-STALL BARNs FOR DAIRY COWS ARE STILL EXTENSIVELY USED WORLDWIDE

Milkline provides easy-to-handle and ergonomic milking solutions for tie-stall installations.

Tie-stall housing systems feature a simple structure and the milking is performed directly in the barn, closely with the animal. It is therefore important to ensure the most comfortable working environment during milking, without stress to either the operator or the animals. Milkline provides technologically advanced, user-friendly and ergonomic solutions for tie-stall milking. Depending on your needs and the size of your herd, you can choose among different and versatile solutions with integrated, well-proven Milkline components: milking trolleys, milking buckets or RTS pipeline milking systems.



ERGONOMIC
MILKING
SOLUTIONS FOR
ANIMAL COMFORT
AND MILKING
EFFICIENCY



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, 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

Chassis	With or without flexible support arms for milking clusters
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, internal combustion motor



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



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 cordless 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



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.



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



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



Milking units

THE RIGHT CHOICE OF MILKING UNITS IMPROVES THE PROFITABILITY OF YOUR FARM

Milkline offers a range of unique solutions using first-rate technology for milking your herd

The proper selection and integration of the various milking components for controlling and managing the entire milking process is a key factor in maximising milking efficiency and milk quality without compromising animal comfort. Handling the animals and the milking process is easy and efficient with Milkline's milking equipment. You can choose among a wide range of available models: from simple and basic solutions, to the most advanced. Milkline's milking equipment ensures the best milking performance, preserving udder health and milk quality.



THE BEST MILKING PERFORMANCE, PRESERVING UDDER HEALTH



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 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



CERTIFIED



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.



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

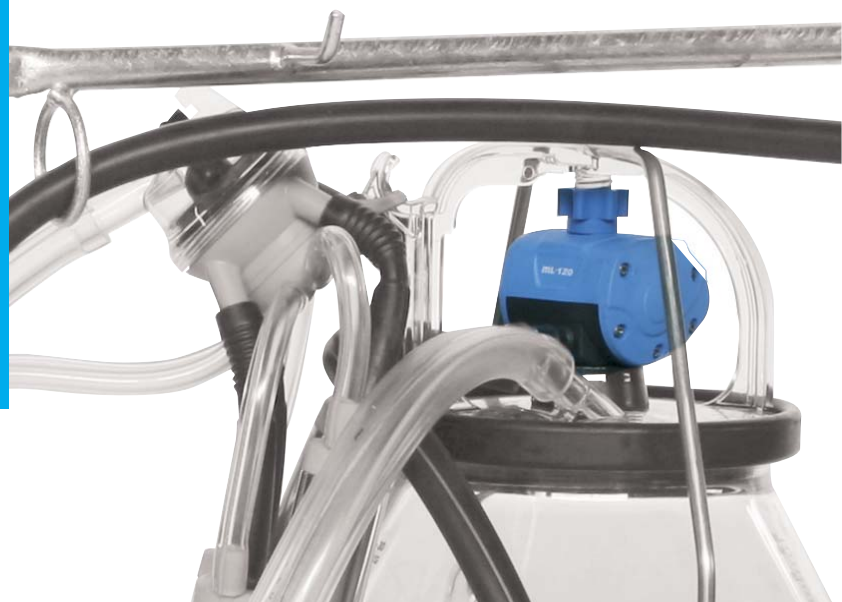
Reliable pulsation has a significant impact on udder health and milking time. Milkline pulsators are specifically designed to guarantee proper, rapid and uniform milk ejection while respecting udder health and animal comfort. Milkline's range of pulsators covers all different needs, from the simplest 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	Surematch coupling system Retrofit 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



SMARTPULSE

The **SMARTPULSE** line features an innovative pulsation system that is power-assisted through a solenoid that drives the silicone membrane, allowing lower energy consumption and silent operation.

TECHNICAL SPECIFICATIONS

Pulsation type	Electronic, alternate or simultaneous pulsation
Rate	50 ÷ 180 ppm
Milking ratio	Eight different settings from 50/50 to 70/30
Operating system	Vacuum, 35 ÷ 50 kPa
Other features	"PRECISION" solenoid Reinforced filter to allow cleaning on the line Silent operation





SERVOPULSE4C

Milkline's innovative quarter-based pulsator

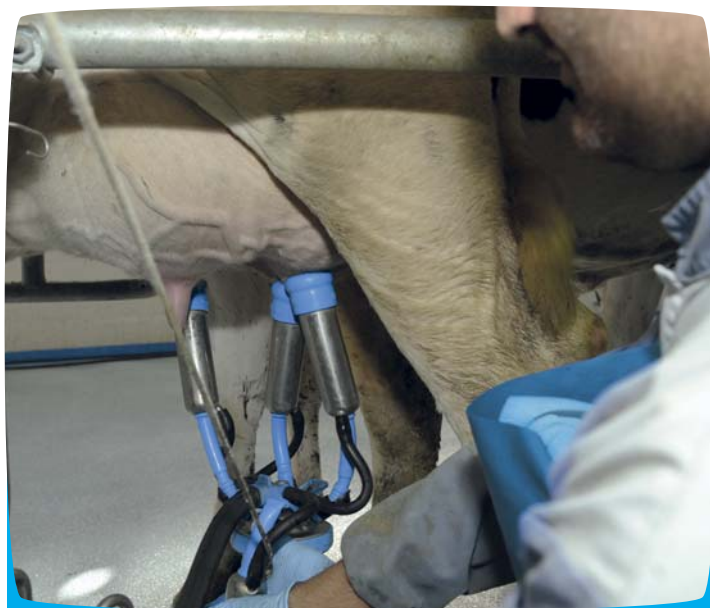
SERVOPULSE4C is an electronic pulsator specifically designed for the Milkline MILPROP4C SYSTEM.

SERVOPULSE4C is equipped with four independent pulsation channels, allowing quarter-based pulsation control and management. 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.

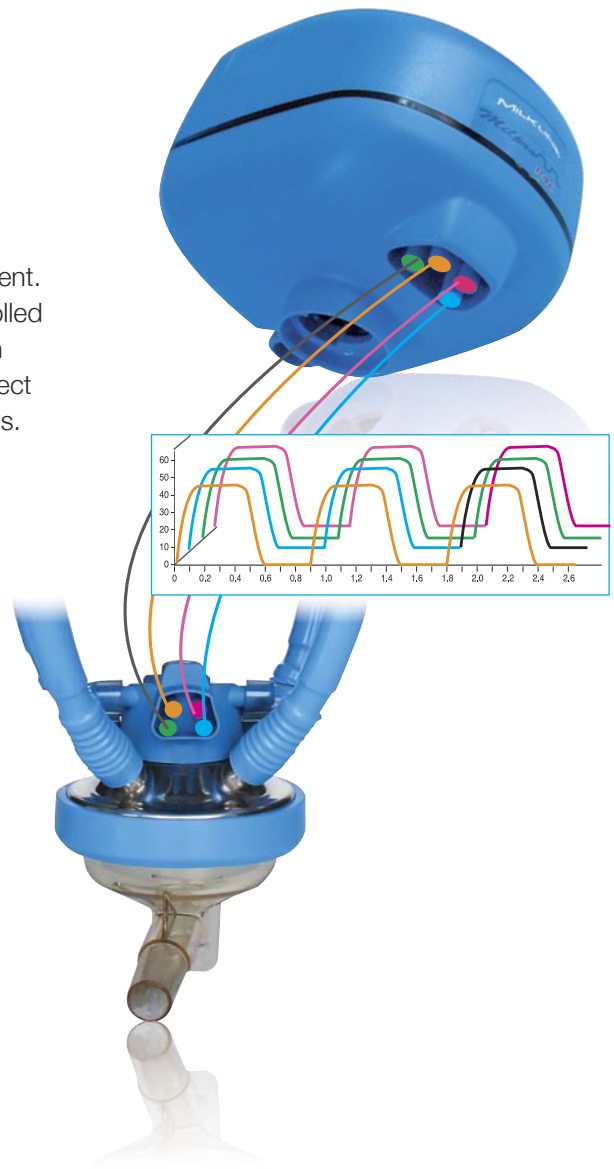


Innovative functions

- > 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.



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


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



Available models



SPECIFIC FOR BUFFALOES

Description	MC200	MILPRORED	ED200	MILPROP4C	MILPRO ²
Product category	Basic	Standard	Advanced	Premium	Standard plus
Milk flow controlled pulsation	✓	✓	✓	✓	-
Automatic stimulation	✓	✓	✓	✓	✓
Automatic cluster removal	✓	✓	✓	✓	✓
Milk metering technology	FFS30	FFS30	FFS30	FFS30	
	MEL1000	 MEL1000 ICAR-approved	MEL1000	 MEL1000 ICAR-approved	 MEL1000 ICAR-approved
Kick-off alert	✓	✓	✓	✓	-
Low milk yield alert	✓	✓	✓	✓	-
Display	Small size integrated into the pulsator	Small size	Large size	Large size	Small size
Automatic ID and animal monitoring	Possible LD (H+HR) RF (entrance ID)	Possible LD (H+HR) RF (entrance ID)	Possible LD (H+HR) RF (entrance ID)	Possible LD (H+HR) RF (entrance ID)	Possible RF
Connection to the herd management software	Possible if upgraded to MC201	Possible	Possible	Possible	Possible
Milking 'stop' function per quarter	-	-	-	✓	-
Early detection of quarter inflammation	-	-	-	✓	-

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

Available models



Description	MILKIT 200	MILKIT P4C LITE	MILKIT P4C
Product category	Advanced	Pro	Premium
Milking control unit	ED200	MILPROP4C	MILPROP4C
Milk flow controlled pulsation	✓	✓	✓
Automatic stimulation	✓	✓	✓
Automatic cluster removal	✓	✓	✓
Milk measuring	FFS30	MEL1000	MEL1000
ICAR approval	X		
Low milk yield alert (only with identification)	✓	✓	✓
Milking 'stop' function per quarter	X	X	✓
Milk electric conductivity of each quarter	X	X	✓
Signaling of quarter inflammation	X	X	✓
Connection to the herd management software	✓	✓	✓



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



Description	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.



Automatic cluster removers

MILKLINE'S ACRs PROVIDE ACCURATE END-OF-MILKING, PRESERVING UDDER HEALTH

Milkline offers automatic cluster removers (ACRs) that have been specifically designed to fit new or existing milking parlours and are durable and reliable. Milkline's ACRs reduce operator workload so focus can be put on the milking process. Take-off functions are adjustable according to the specific needs of your animals, to ensure a milking process that fully respects udder health. The 'autostart' function further reduces operator workload: simply lift the milking cluster and the milking starts. Combined with Milkline's milk meters, they provide accurate end-of-milking identification and minimal vacuum drop during milking.



Main features

- › Compact and robust design
- › Easy to install
- › Reduced and easy maintenance
- › Controlled by Milkline's milking control units or Master Controller
- › 'Autostart' function: lift the milking cluster and the milking starts



💧 BETTER MANAGEMENT OF THE MILKING PROCESS

💧 IMPROVED UDDER HEALTH

💧 REDUCED LABOUR COSTS



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

Cluster weight	2,274 kg
Claw capacity	150 cc
Milk output (inner/outer diameter)	13 x 19 mm
Milk inlet nipples (inner/outer diameter)	10 x 15 mm

MILPRO

The **MILPRO 350/450** 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

Available models	MILPRO 350/MILPRO 450
Cluster weight	2,156 kg
Claw capacity	350 cc/450 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 BUFALA

Milkline presents its new milking cluster designed and developed specifically for buffaloes. All the components, from the liners to the claw, are designed to suit the needs of buffaloes



TECHNICAL SPECIFICATIONS

Cluster weight	2,980 kg
Claw capacity	350 cc
Milk output (inner/outer diameter)	16 x 19 mm
Milk inlet nipples (inner/outer diameter)	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



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



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



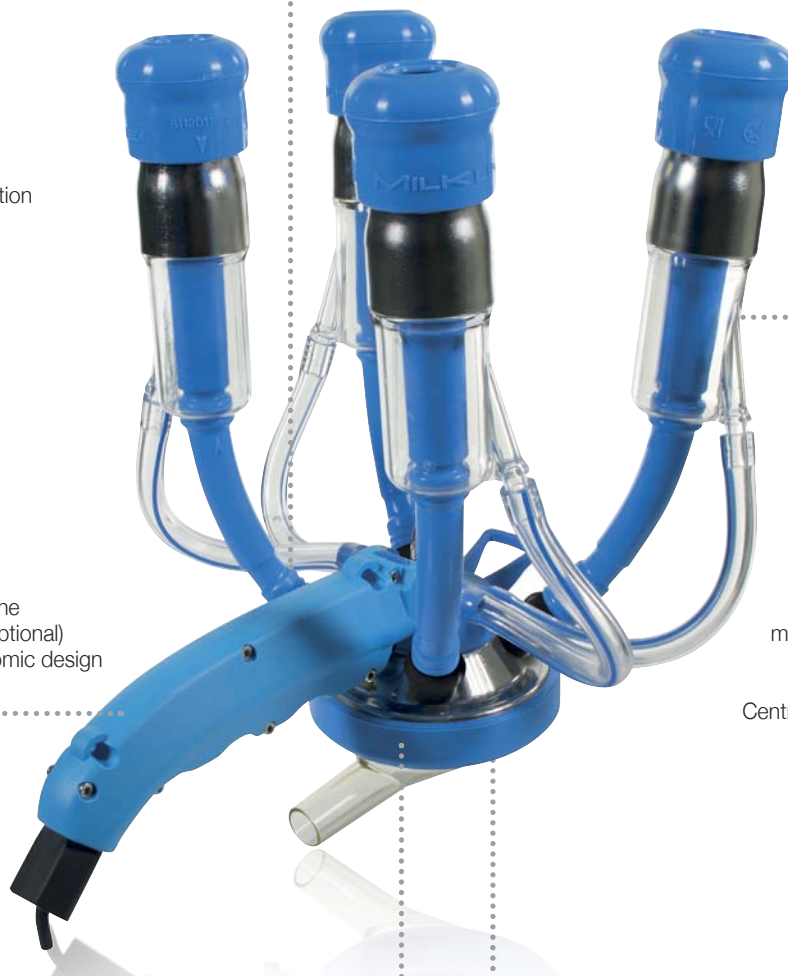
Milk claw with increased milk flow outlet and reduced outlet angle (8°) for highly productive animals. Central claw outlet to maximise evacuation capacity



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



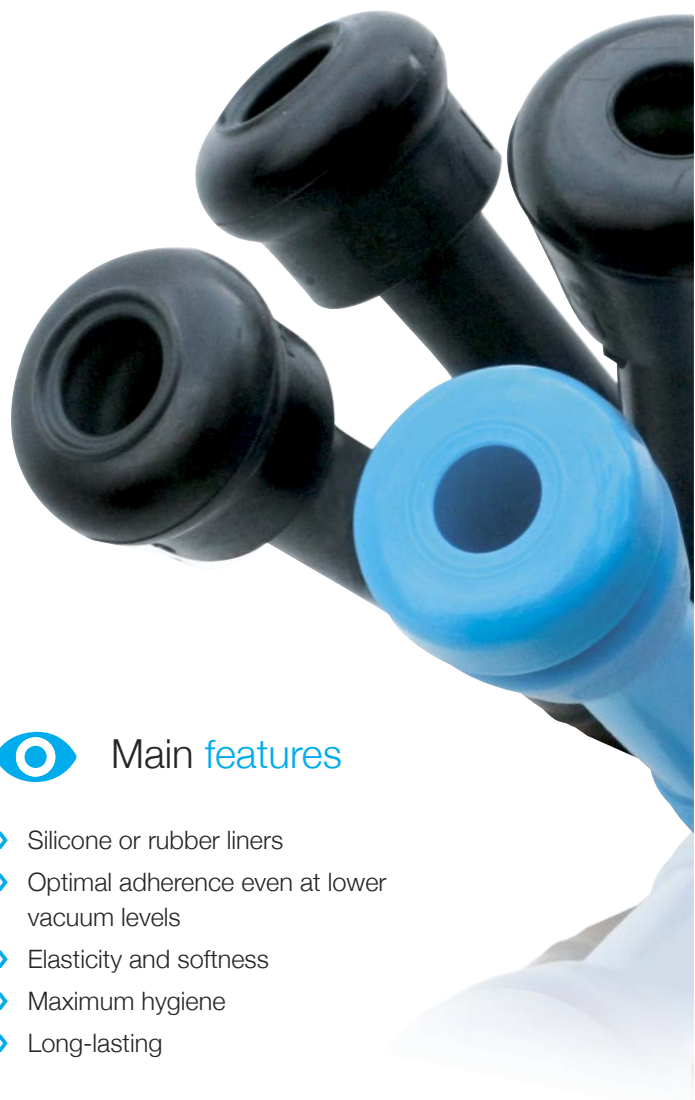
TECHNICAL SPECIFICATIONS

Cluster weight	2,250 kg
Claw capacity	350 or 450 cc
Milk output (inner/outer diameter)	13 × 19 mm
Milk inlet nipples (inner/outer diameter)	8 × 12 mm

Liners

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

Liners are the only component of the milking machine that come into close contact with animal teats. Liners need to be carefully selected to suit your target herd and machinery, and changed regularly. Milkline offers a wide range of original liners developed to suit your herd udder morphology, in order to ensure maximum milking performance while preserving teat health. Thanks to their special blends, Milkline liners adhere perfectly to the teat, ensuring vacuum stability and preserving udder health. Milkline offers a wide range of liners made of high-quality materials that comply with foodstuff regulations and ensure maximum durability and hygiene during milking.



Main features

- > Silicone or rubber liners
- > Optimal adherence even at lower vacuum levels
- > Elasticity and softness
- > Maximum hygiene
- > Long-lasting

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



Main products

RUBBER LINERS

Milkline's original rubber liners are designed to be extremely adaptable, avoiding liner slippage and guaranteeing vacuum stability. A wide range of models are available to best meet your herd requirements.

TECHNICAL SPECIFICATIONS

Mouthpiece type	Round
Mouthpiece lip diameter	20 ÷ 25 mm
Total length	287 ÷ 320 mm
Short milk tube diameter	8 ÷ 11 mm
Outer diameter	17 ÷ 20 mm

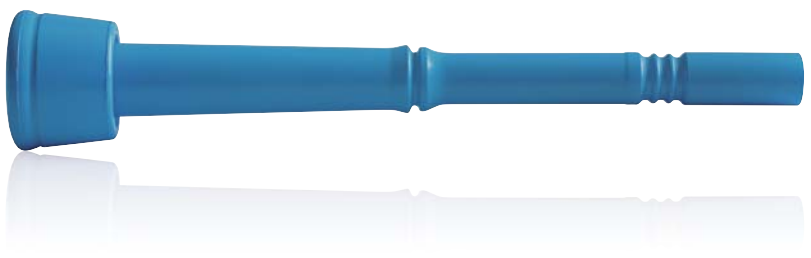


SILICONE LINERS

Milkline's original silicone liners, thanks to their high elasticity, facilitate a comfortable milking process by gently enveloping the teat, ensuring maximum hygiene and longevity.

TECHNICAL SPECIFICATIONS

Mouthpiece type	Round or flat
Mouthpiece lip diameter	20 ÷ 22 mm
Total length	300 ÷ 310 mm
Short milk tube diameter	11 ÷ 12 mm
Outer diameter	20 mm



SPECIFICALLY FOR BUFFALOES

This Milkline's original rubber liner is specifically designed and developed to best suit the special morphology of buffalo teats. It guarantees milking speed while respecting teat health.

TECHNICAL SPECIFICATIONS

Mouthpiece type	Round
Mouthpiece lip diameter	23 mm
Total length	310 mm
Short milk tube diameter	8 mm
Outer diameter	17 mm





Tubes

MILKLINE'S ORIGINAL TUBES ARE IDEAL FOR IMPROVING MILK QUALITY

Tubes are one of the main components that come into direct contact with milk. They must respect strict hygiene regulations and be durable, while remaining flexible and easy to handle. Milkline's original tubes are made of high-quality materials* that are extremely resistant to fat, water, detergents and atmospheric agents. Robust to withstand the high levels of mechanical stress, without compromising on flexibility and elasticity for ease of handling. The smooth inner and outer surface ensures easy and efficient cleaning while guaranteeing high levels of hygiene. Milkline offers a wide range of original tubes in different materials and dimensions to provide the right solution for your needs.

* They meet the requirements of European Regulation (CE) 1935/2004.



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






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



MILKLINE'S ORIGINAL RUBBER TUBES

Maximum reliability and high performance


TECHNICAL SPECIFICATIONS

Tube type	Material	Inner/outer diameter [mm]	Length	
Milk	Black rubber, white line	14 x 25 15 x 27 16 x 27	25-m roll	
Vacuum	Black rubber, blue line	7 x 14 13 x 23	25-m roll	
Pulsation	Black rubber, twin pulse, blue line	7 x 14	25-m roll	
Special pulsation	Black rubber, tube for P4C	with five holes	25-m roll	
Vacuum, set short tubes	Black rubber, short tube	6 x 13 7 x 13	230 mm 200 mm	

MILKLINE'S ORIGINAL SILICONE TUBES

Optimised balance between light weight, elasticity and durability




TECHNICAL SPECIFICATIONS

Tube type	Material	Inner/outer diameter [mm]	Length	
Milk	Blue silicone	14 x 25 15 x 27 16 x 27	25-m roll	

MILKLINE'S ORIGINAL PVC TUBES

Basic and reliable solution for high-quality milking

TECHNICAL SPECIFICATIONS

Tube type	Material	Inner/outer diameter [mm]	Length	
Milk	Transparent PVC, blue line	14 x 24 16 x 26	30-m roll	
Vacuum	Transparent PVC, blue line	7 x 13 8 x 15	30-m roll 50-m roll	
Pulsation	Transparent PVC, twin pulse, blue line	7 x 13 7 x 14	30-m roll 25-m roll	



Solutions 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.

Milkline continues to innovate and develop advanced solutions for dairy farmers.



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

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



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"> • Six for sheep • Two for goats



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 by Palm™ 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 guarantees efficient milking thanks to its automatic claw valves which assure high milk-flow rates and vacuum stability.



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 eliminate any air filtering during cluster application and removal. Automatic shutdown at 25 kPa.



ML/OC

Milkline's **ML/OC** milking cluster guarantees efficient milking thanks to its large capacity which assures high milk-flow rates and vacuum stability.



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



LINERS AND TEAT CUP SHELLS

Milkline offers a wide range of rubber or silicone liner sizes to meet specific teat requirements. Each type of liner has to be coupled to its specific teat cup shell.



TECHNICAL SPECIFICATIONS

Liner blend	Silicone or rubber
Liner length	Long or short
Mouthpiece	Flat
Shell body	Transparent plastic or stainless steel
Shell weight	28 ÷ 48 g



Milk transfer

PROPER AND HYGIENIC MILK TRANSFER IS ESSENTIAL FOR PRODUCING HIGH-QUALITY MILK

Milkline's milk transfer components and accessories maintain the quality of your milk

Milk transfer from the milking cluster to the cooling tank is a very important process. The quality of the milk has to be maintained, the process has to be correct and swift, and the milk has to flow gentle. The whole system must be hygienically cleaned and all components have to be food-approved and easy to clean.

Milkline's components and accessories for the milk transfer line are high-quality components made from non-toxic, high-performance, high-resistance materials, in order to ensure a correct, fast and hygienic milk transfer process, with no bio-chemical alterations of the end product.



GENTLE,
FAST AND
HYGIENIC
MILK TRANSFER



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.

Made of high-grade transparent Pyrex glass or stainless steel, Milkline 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.



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

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





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 systems

THE VACUUM SYSTEM IS THE CORE OF ANY MILKING MACHINE

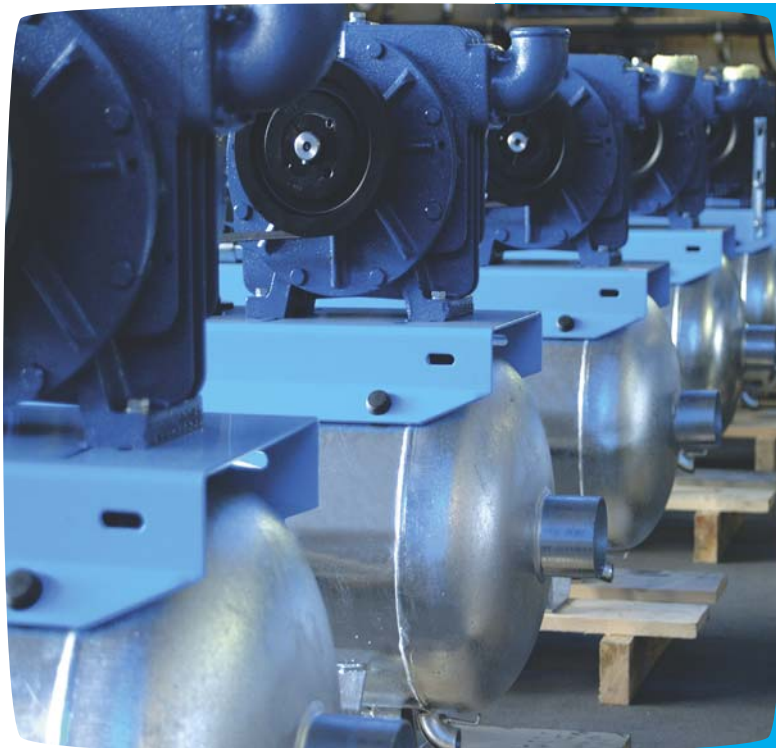
Milkline provides a reliable vacuum technology to guarantee the best milking performance

A stable and consistent vacuum level is a key factor in the proper functioning of a milking system and for preserving udder health. The vacuum also affects the mechanical action of the milking plant cleaning process.

Milkline's vacuum systems, thanks to the special manufacturing procedures and strict controls observed, are energy saving, highly reliable, low noise and durable.

The compact and practical design means easy installation and low maintenance.

Milkline offers a complete range of vacuum systems to suit different herd sizes and milking systems.



MAXIMUM
PERFORMANCE
FOR BETTER
RESULTS



Vacuum pumps

MILKLINE'S DEEP EXPERIENCE IN PRODUCING VACUUM PUMPS GUARANTEES RELIABLE VACUUM 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

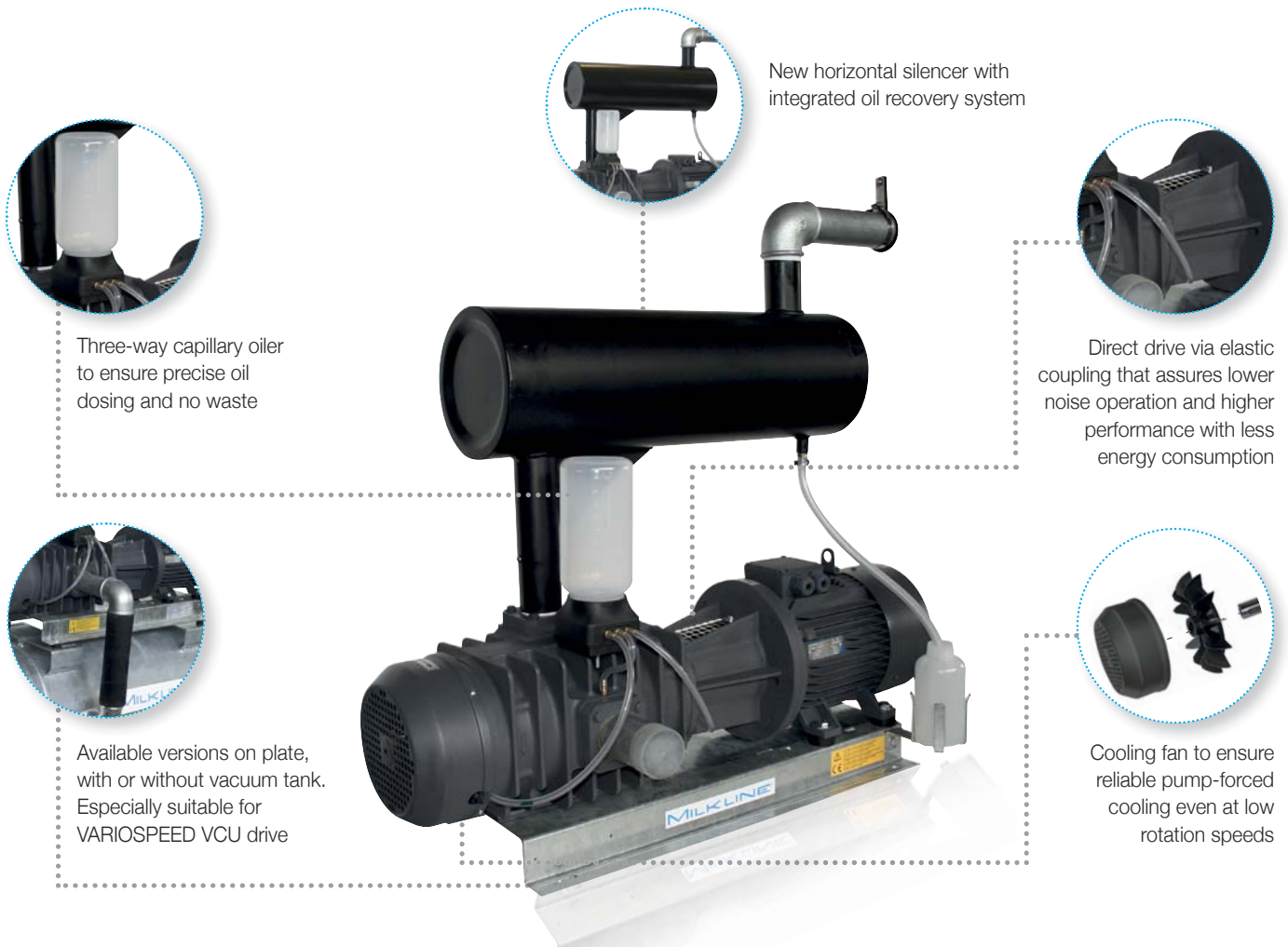
Product category/Pump type	Lobe vacuum pumps
Airflow capacity [lt/min at 50 kPa]	From 2.100 to 4.300 l/min
Rpm	3,600
Motor power [kW]	From 5,5 to 11
Optionals	Automatic belt tensioner Cabinet Milkline VARIOSPEED VCU Milkline LOBE CLEANER, the lobe pump automatic cleaning system



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



Accessories

MILKLINE'S VACUUM SYSTEM ACCESSORIES HAVE BEEN DESIGNED TO OPTIMISE THE PERFORMANCE OF YOUR MILKING SYSTEM

VACUUM REGULATORS

Milkline provides a wide range of **VACUUM REGULATORS**, which compensate as quickly as possible (instantly) for any vacuum variation in the system, ensuring vacuum stability and preserving udder health.



Main features

- › Membrane or servo-vacuum regulators
- › 30 ÷ 60 kPa regulation range
- › Immediate and reliable response
- › Maximum vacuum stability
- › Easy regulation



CYCLONE OIL RECIRCULATION SYSTEM

Milkline's **CYCLONE OIL RECIRCULATION** system allows automatic oil recovery, filtration and reflow. No oil waste occurs and oil consumption is highly reduced, fully respecting the environment.



Main features

- › Gutters for precise and accurate oil release
- › Substantial reduction of oil consumption
- › Eco-friendly – reduced amount of oil released in the air
- › Indicator to check oil levels easily
- › Suitable for Milkline's PVU and HPU vacuum units



LOBE CLEANER

Milkline's **LOBE CLEANER** is an automatic cleaning system specifically developed for lobe pumps. The cleaning cycle can be programmed or manually driven, and the detergent is automatically dosed.



Main features

- › Compact design for 'wall installation'
- › Peristaltic detergent dosing pump
- › Programmable or manual-driven cleaning cycle
- › Specifically developed for lobe pump cleaning
- › Specific detergent available
- › On request: Lobe cleaner 2P with two peristaltic pumps



BLU POWER OIL FOR VACUUM UNITS

Milkline's original **BLU POWER** guarantees proper operation and long-lasting performance of oil-lubricated vacuum pumps, avoiding early wear of moving parts.



Main features

- › Two available options: standard and winter type for low-temperature seasons
- › Low vapour pressure (even at high temperatures)
- › Excellent lubrication capacities
- › Minimal oxidisability



Parlour cleaning systems

CLEANING AND HYGIENE IS ESSENTIAL IN PRODUCING HEALTHY AND HIGH-QUALITY MILK

Milkline ensures perfectly cleaned and sanitised milking systems

The hygienic and sanitary properties of milk are fundamental, as they affect the quantity, quality and production yield of the processed products. Effective and consistent cleaning of dairy systems allows farmers to produce healthy and high-quality milk. This is a key factor in meeting consumer and dairy industry demands, as well as complying with existing regulations. Top-quality milk means premium prices and increased profitability.

Milkline helps you keep your milking systems perfectly cleaned and sanitised: you can choose among different solutions to meet your specific requirements for effective cleaning.



EFFECTIVE
CLEANING
TO IMPROVE
YOUR
PROFITABILITY



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

TWO SEPARATE MODULES

This solution provides maximum safety and isolation of the electronic components

COMPACT AND ROBUST DESIGN

IP66 Stainless Steel Boxes to guarantee maximum protection of the components

HIGHLY CUSTOMIZABLE

Wide range of optionals 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



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MILK QUALITY AND 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.





Cleaning and hygiene

CLEANING AND HYGIENE ARE MANDATORY REQUIREMENTS IN THE PRODUCTION OF HEALTHY AND VALUABLE MILK

Milkline offers a full assortment of products to facilitate the production of top-quality milk

Cleaning and hygiene is a crucial factor in the production of healthy and high-quality milk, in maximising the lifetime of your milking equipment and in complying with the increasingly rigorous demands of regulations and consumers.

Proper cleaning and hygiene procedures include an effective milk filtration system to produce milk free from dirt and solid waste products, and consistent cleaning and sanitisation of the milking equipment and parlour environment.

Milkline offers a complete assortment of products to facilitate the production of top-quality milk, preserving milking and cooling equipment and enhancing the value of your milk.



CHOOSE
RELIABILITY
AND EFFICACY:
CHOOSE
MILKLINE



Detergents

CLEANLINE, MILKLINE'S SPECIALISED RANGE OF DETERGENTS, GIVE YOU THE BEST CLEANING PERFORMANCE FOR YOUR MILKING EQUIPMENT




Effective cleaning and sanitisation of all equipment that comes in contact with milk and consistent cleaning of the milking parlour environment are crucial steps in producing healthy and high-quality milk. One of the main factors determining the effectiveness of these processes is the right choice of detergent and its proper use.

Milkline has developed CleanLine, a complete range of detergent products designed to be tough on dirt and solid waste but gentle on the most sensitive milking components. Milkline's CleanLine range covers your cleaning and sanitising needs at all levels: from milking-system cleaning to manual cleaning of the milking equipment and parlour surfaces.



Main features

- Liquid or powder detergents - acid or alkaline
- Foaming detergents for parlour surfaces
- Specific products according to water hardness
- Optimised concentration to avoid waste
- Fast-dissolving

-  ECONOMICAL SYSTEM CLEANING
-  PROLONGED LIFE OF MILKING EQUIPMENT
-  ENHANCED QUALITY OF YOUR MILK





Main products



Product name	MILKCLEAN ALKA	MILKCLEAN ALKA PRO	MILKCLEAN ACID	MILKCLEAN FARM	MILKCLEAN TRACT
Operation	Daily cleansing of milking plant	Daily cleansing of milking plant	Weekly cleansing of milking plant	Environmental sanitisation	Sanitisation of farming equipment
Use	CIP plants and equipment	CIP plants and equipment	CIP plants and equipment	wall, floors, equipment, ect	Farming equipment
Characteristics	Chloro-active liquid detergent for daily use (active chlorine min. 6%)	Chloro-active liquid detergent for daily use	Non-foaming, acid, liquid detergent for weekly use	Foaming, chloro-active liquid detergent (active chlorine min. 2.5%)	Foaming, alkaline liquid detergent
pH	Alkaline - 12.0	Alkaline - 13.0	Acid - <1.0	Alkaline - >13.0	Alkaline - 13.0
Temperature range	40-60°	40-70°	50-70°	15-30°	15-30°
Dosage	0,5-1,5%	0,5-2,0%	0,5-3%	1-5%	1liter every 25-30 liters



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

MILKLINE'S ACCESSORIES FOR PARLOUR CLEANING AND HYGIENE ARE IDEAL FOR YOUR DAILY CLEANING TASKS

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





Udder hygiene

MILK QUALITY IS SIGNIFICANTLY AFFECTED BY UDDER HYGIENE AND HEALTH

Milkline's udder hygiene products ensure high udder hygiene levels for maximised milk quality and yield

Accurate and proper udder hygiene is the first step to producing safe and high-quality milk, as well as reducing the incidence of mastitis and bacterial infections. A regular and consistent milking routine that includes udder hygiene procedures for clean and sanitized teats helps to prevent and control mastitis, improve milk letdown and preserve milk yield and quality. Milkline's udder hygiene and care products ensure healthy udders thanks to the perfect balance between different but equally important functions: teat cleaning, bacterial load reduction, gentleness and skin pH balance, and effective protection of the teat.



HEALTHY UDDERS
MEAN HEALTHY,
COMFORTABLE
AND MORE
PRODUCTIVE
ANIMALS



Pre-dipping

MILKLINE'S PRE-MILKING UDDER HYGIENE PRODUCTS KEEP YOUR ANIMALS' TEATS SOFT, HEALTHY AND HYGIENIC

Pre-milking udder preparation is a fundamental stage of the milking process, which is threefold: (1) prevent the spread of contagious bacteria, (2) ensure the hygiene of the milking process, and (3) get teats ready to be milked. It consists in cleaning and drying teats before milking cluster attachment, a well-proven practice to prevent and control mastitis, stimulate milk letdown and facilitate milking. Milkline offers a complete range of products specifically developed for pre-milking udder hygiene. The options include different types of products: paper or textile towels for effective drying of the teats, ready-to-use wet udder towels and foaming solutions to optimally clean teats.



Main features

- › Ready-to-use products
- › Different type of products available
- › Gentle on teat skin
- › Balanced emollient ratios

- 💧 MAXIMISED MASTITIS PREVENTION
- 💧 EFFECTIVE CLEANSING WHILE RESPECTING TEAT SKIN
- 💧 PRESERVED MILK YIELD AND QUALITY





Main products

MILKTEAT FOAM

Foaming sanitising liquid with chlorhexidine combined with softening and toning substances. **MILKTEAT FOAM** reduces the incidence of environmental and contagious mastitis.



TECHNICAL SPECIFICATIONS

Product category	Pre-dipping
Characteristics	Foaming sanitising liquid detergent with chlorhexidine (2500 ppm)
Dosage	Undiluted
Use	Foam



MILKTEAT COMPLETE

Sanitising liquid based on chlorhexidine combined with softening, dermoprotective and re-epithelising substances that prevent reddening and chapping of the teats.



TECHNICAL SPECIFICATIONS

Product category	Pre-dipping / Post-dipping
Characteristics	Sanitising liquid detergent with chlorhexidine (5000 ppm)
Dosage	Undiluted
Use	Spray





Post-dipping

MILKLINE'S POST-MILKING UDDER HYGIENE PRODUCTS HELP TO PREVENT MASTITIS

Post-milking teat disinfection is the most effective procedure in preventing the animal-to-animal spread of contagious mastitis organisms. After the milking cluster is removed, each teat must be sanitised by applying a special-purpose product to the entire surface of the teat through dipping or spraying.

Milkline offers a full assortment of udder hygiene products specifically designed for post-milking udder sanitisation. Milkline products combine the effectiveness of disinfecting properties with dermo-protective substances to protect and care for teat skin. Furthermore, thanks to the film-forming properties of the formula, they create a physical barrier that helps protect against environmental bacteria entering the teat canal.



Main features

- Ready-to-use products
- Available formulations for dip or spray application
- Film-forming
- Emollients to protect and care for teat skin
- Highly visible

- 💧 MAXIMISED MASTITIS PREVENTION
- 💧 OPTIMAL DISINFECTION OF TEATS
- 💧 PROTECTION AND CARE OF TEAT SKIN





Main products

MILKTEAT CLOREX

Ready to use medium viscosity sanitising liquid for post-dipping. **MILKTEAT CLOREX** creates an effective barrier that physically and chemically protects the teat between milking cycles.



TECHNICAL SPECIFICATIONS

Product category	Post-dipping
Characteristics	Film-forming viscous sanitising agent with chlorhexidine digluconate (20%) combined with soothing and moisturising substances that prevent reddening and chapping of the skin
Dosage	Undiluted
Use	Film-forming



MILKTEAT DEFENDER PRO

Ready to use dark brown viscous solution with iodine-bearing dermo-protective sanitising agent. It considerably reduces the bacterial load without impairing skin breathability.



TECHNICAL SPECIFICATIONS

Product category	Post-dipping
Characteristics	Film-forming viscous sanitising agent with iodine (3300 ppm) combined with softening active substances (i.e. glycerine and lanolin) to protect skin health
Dosage	Undiluted
Use	Film-forming



MILKTEAT COMPLETE

Sanitising liquid based on chlorhexidine combined with softening, demoprotective and re-epithelising substances that prevent reddening and chapping of the teats.



TECHNICAL SPECIFICATIONS

Product category	Post-dipping / Pre-dipping
Characteristics	Sanitising liquid detergent with chlorhexidine (5000 ppm)
Dosage	Undiluted
Use	Spray





Accessories

MILKLINE ACCESSORIES FOR UDDER HYGIENE ASSURE PRECISION AND ACCURACY TO PRESERVE UDDER HEALTH

MILKLINE DIP CUPS

Milkline 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



MILKLINE TEAT SPRAYER/ JETSTREAM

Milkline's JETSTREAM is a vacuum-driven teat spraying system for parlour installations. JETSTREAM guarantees the best teat coverage thanks to its precise spray pattern and ease of use.

Main features

- › Ergonomic design for simple use
- › Sealed valve mechanism to avoid dirt entering
- › High-quality materials to give durable performance
- › The standard kit comprises three jetters
- › Low maintenance required



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



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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 systems

FAST AND PROPER COOLING OF RAW MILK IS ESSENTIAL IN MAINTAINING MILK QUALITY

Milkline offers different cooling systems developed to best meet your farm's requirements.

Cooling fresh milk immediately after milking is a fundamental process in preserving milk quality. Milk cooling aims to avoid the development of microorganisms and reduce the phenomena of fat and protein alteration.

Milkline offers farmers a wide range of cooling systems to meet their different needs: from specific solutions to cool small amounts of milk to the most advanced technology for higher-production herds.

All Milkline solutions are environmentally friendly and guarantee energy savings, significantly reducing your costs.



FREEZE YOUR COSTS AND IMPROVE YOUR MILK INCOME



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





MILK LINE®

MILK LINE®

P1

WARNING
ELECTRIC SHOCK
Hazardous Voltage
Do not touch
when power is on

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



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.

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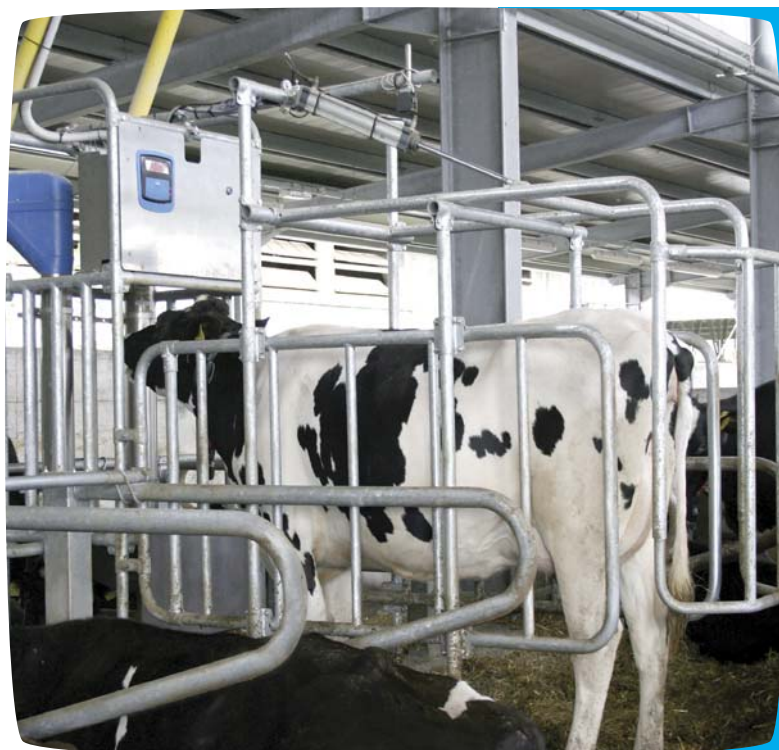
Automatic feeders

AUTOMATIC FEEDING IS
A KEY FACTOR IN INCREASING
THE EFFICIENCY IN YOUR FARM

Feeding your animals with
Milkline's automatic feeders
becomes a simple and efficient task

Automatic feeding saves a great deal of both time and effort. Being able to plan a feeding strategy for each animal means that it will receive the right amount of feed throughout its production cycle and allows you to better meet its nutritional needs.

A correct diet for animals must therefore aim at maintaining good health while taking action to prevent disease and achieve high levels of production, optimising in real time the size of portions given per feeding cycle.



ADVANCED
AND RELIABLE
SOLUTIONS TO
AUTOMATICALLY
FEED YOUR
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





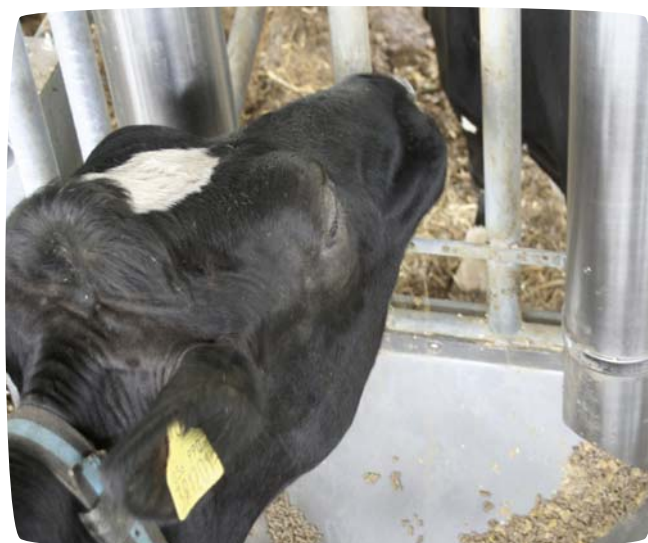
Out-parlour feeding system

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.

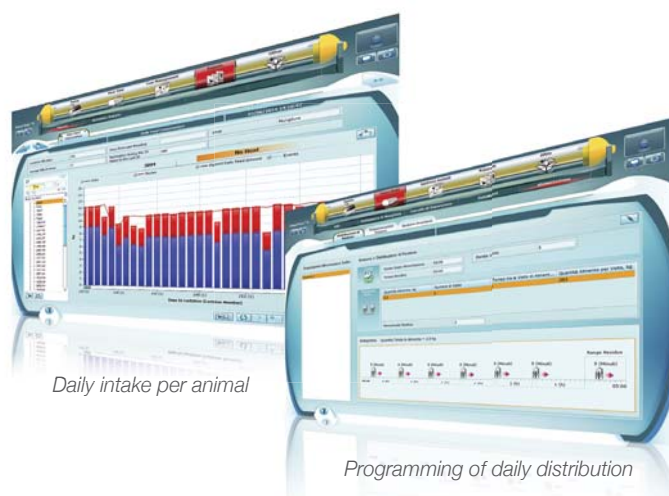
Through specific algorithms based on biometric data, such as milk production, lactation status and rumination level, it calculates in real time the correct amount of concentrate to be distributed.



Main features

- Special box in galvanised steel, manger in stainless steel
- Rear gate and side barriers to reduce competition within 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 and lamb feeders

MILKLINE FEEDER 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

- › Innovative automatic mixing and heating system
- › Pasteurization and cooling with programmable and customizable cycles
- › Tank made of easy-to-clean, polished stainless steel
- › Suitable for both milk powder and raw milk
- › 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





MILDRINK

Healthy calves means healthy cows: Milcline Mildrink for optimised calf management

The first days of life are the most crucial for young calves, especially when it comes to feeding. The automatic calf feeders have the specific function of replacing the cow during the essential nursing phase of the calf. Providing small, precise portions of fresh milk at the right temperature throughout the day is the correct feeding routine for your calves. Milcline's **MILDRINK** automatically mixes and dispenses the milk powder according to an established feeding plan based on specific parameters such as daily feed intake or calf weight. Thanks to specific software, you can control up to 100 calves, making calf feeding efficient and labour-saving.

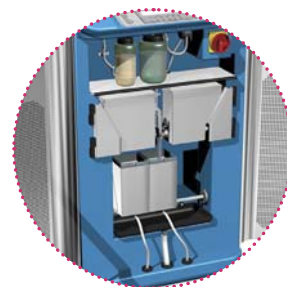


Innovative functions

- > Ability to feed two calves simultaneously
- > Stainless steel and plastic surfaces
- > Automatic temperature regulation
- > Automatic cleaning after each meal
- > Medicated food for single calves or groups of calves



THE MOST FLEXIBLE,
CONTROLLED,
CALF-FOCUSED SOLUTION



Advantages

- > FULLY CONTROLLED FEED INTAKE PER SINGLE CALF
- > REDUCED TIME FOR THE FEEDING PROCESS
- > FULLY AUTOMATED OPERATIONS, REDUCING HUMAN ERRORS
- > REDUCED COSTS, IMPROVED RETURNS



MILKTAXI

Productive cows are the result of well-managed calves.
Milkline Milktaxi make all the difference

Feeding your calves efficiently is the key to reducing health problems and laying the foundations for the future success of your cows. Milkline's **MILKTAXI** is the smart solution to rationalise the routine of feeding calves. It allows you to mix, heat, pasteurise and deliver whole milk in one easy procedure, saving time and effort. Milk portions are pre-set, the temperature is continuously monitored and the risk of feeding mistakes is minimised. The pasteurisation unit is fundamental in providing a whole milk diet without the risk of disease. **MILKTAXI** performs the strenuous part of the job thanks to the advanced EL-AN electric traction system.



Innovative functions

- › Innovative automatic mixing and heating system
- › Pasteurisation and cooling with programmable and customisable cycles
- › Tank made of easy-to-clean, polished stainless steel
- › Dispensing arm with ergonomic handle
- › Effective full-surface heating foils to avoid any burnt milk



THE EASY WAY OF
BUCKET FEEDING



Advantages

- › QUICK AND RELIABLE MIXING
- › CONSISTENT MILK TEMPERATURE
- › PRECISE DOSAGE
DIRECTLY INTO THE BUCKET
- › REDUCED REARING COSTS
- › EASY CLEANING



AD LIBITUM

The automatic Milkline lamb and kid feeder solution saves you work

Optimising feed management is a profitable investment for improved productivity and labour throughput.

The automatic lamb feeder helps to increase feeding efficiency and animal performance. Dosing small portions of fresh milk, frequently and at the right temperature, ensures healthy and fast-growing lambs. Milkline's **AD LIBITUM** lamb feeder automatically mixes warm milk from powder. Lambs and kids can easily drink from dedicated teats whenever they want, according to natural behaviour patterns, helping to prevent gorge feeding and bloating. Thanks to the advanced mixer and the modularity system, you can feed up to 120 lambs easily and precisely.



Innovative functions

- › Capacity for feeding six lambs simultaneously
- › Stainless steel mixer
- › Automatic temperature regulation
- › Automatic programmable cleaning
- › Capacity for delivering medicated feed



IMPROVE THE QUALITY
OF YOUR LIFE FOR YOU
AND YOUR ANIMALS



Advantages

- › REDUCED TIME FOR THE FEEDING PROCESS
- › FULLY AUTOMATED OPERATIONS
- › INCREASED MILK ABSORPTION
- › EASY SOLUTION TO FEED UP TO 120 LAMBS AND KIDS (ON 4 EXTENSIONS)
- › ALSO USABLE FOR UP TO 50 CALVES (ON 2 EXTENSIONS)

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



FARM MANAGEMENT

- ◆ **Herd management systems..... 88**
 - DataFlow™ II..... 89
- ◆ **Animal monitoring 90**
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 - Tag HR-LDn 92
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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.





Herd management systems

MODERN FARMERS NEED MODERN TOOLS TO SIMPLIFY DAILY HERD MANAGEMENT OPERATIONS

Milkline's integrated herd management system optimises your dairy tasks

The aim of all farmers is to make their business more efficient and profitable. Constant control over the animals' health, the milking process and everything else happening in the stables requires considerable effort. The lack of efficient information systems is one of the hindrances in running a successful dairy business. Milkline's herd management system allows you to easily control and manage all the aspects of your herd. Thanks to the modularity and flexibility of the components available, you can choose the solution that best suits your farm.



RELIABLE AND COMPLETE INFORMATION FOR THE RIGHT DECISION

DataFlow™ II

MILKLINE'S HERD MANAGEMENT SOFTWARE OFFERS EFFECTIVE SUPPORT FOR THE BEST DECISION-MAKING PROCESS

DataFlow™ II provides real-time monitoring and control over the milking process as well as the reproductive, health and nutritional status of each animal. This herd management software automatically collects accurate data from every single animal and from the various connected devices such as milking point controllers, automatic feeding stations, sorting gates and scales. All data recorded is processed in real time according to specific algorithms, generating valuable and insightful information to support an effective decision-making process. The user-friendly interface ensures extremely simple consultation, allowing early detection of problems for proper operations.



Main features

- User-friendly and intuitive interface
- Suitable for any herd size
- Fully customisable
- Real-time updated information
- Free licence updates

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





Animal monitoring

KEEP AN EYE ON EVERY ANIMAL – MAKE THE DIFFERENCE
IN YOUR DAIRY BUSINESS

Milkline's animal monitoring devices provide
useful information for a smooth workflow

Animal identification is the first step in facilitating the rational and profitable management of your farm. Only through unique animal identification can you best make use of the milking, breeding and nutritional information for each animal collected by different sensors. Milkline offers a wide range of solutions: from basic devices set for identification to the most advanced technologies that accurately collect important data such as activity and rumination. All the data is sent to the herd management software, providing reliable animal monitoring in real time.



IDENTIFY
TO OPTIMISE

Electronic 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





TAG HR-LDn

HR-LDn TAG DETECTS ALL THE DATA YOU NEED TO IMPROVE YOUR DAIRY MANAGEMENT

HR-LDn tag is the smart device for animal monitoring. It provides not only animal identification but also important information regarding animal activity and rumination rate, ensuring accuracy and reliability in terms of heat detection and animal health status. Moreover, thanks to its specific design and optimised weight, it does not interfere with natural animal behaviour. All the data is collected, stored in a dedicated memory and automatically transferred to the PC to be processed by the DataFlow™ II herd management software, 24 hours a day. This enables a dynamic and clear view of health and heat status for each animal, allowing you respond promptly.



Main features

- New technology: MEMS sensor for heat detection and rumination
- Long-distance communication (1 hectare range)
- Strong casing for long-lasting performance
- Real-time updated information
- Waterproof (IP68)



- 💧 RELIABLE HEALTH AND HEAT DETECTION
- 💧 HIGHER PRECISION AND ACCURACY
- 💧 REAL-TIME ANIMAL MONITORING

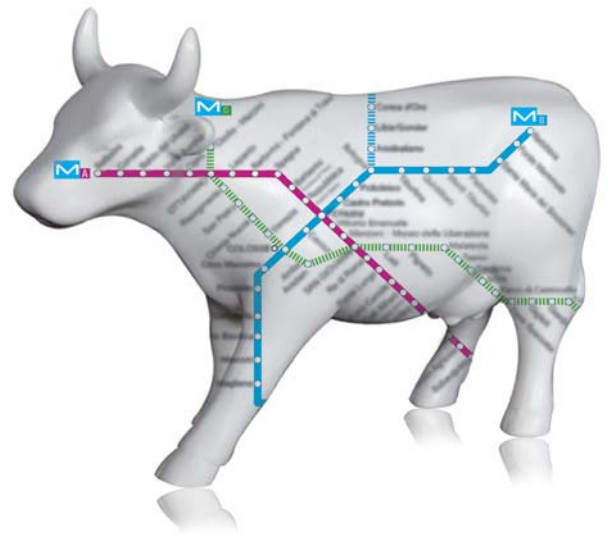


Animal traffic management

PROFITABLE HERD MANAGEMENT REQUIRES EFFECTIVE ANIMAL TRAFFIC MANAGEMENT

Milkline's animal traffic management solutions allow regular and fast animal flow

Efficient management of animal flow is becoming more important as herd sizes increase; moreover, animal handling can be a demanding and time-consuming task if not well organised. Animal traffic management systems significantly improve work efficiency, simultaneously ensuring stress-free animals and enhanced milking session throughput. Milkline provides reliable and effective manual or automatic systems - from crow gates to selection gates - that optimise animal handling and save on labour and time, giving you the opportunity to focus on other dairy tasks.



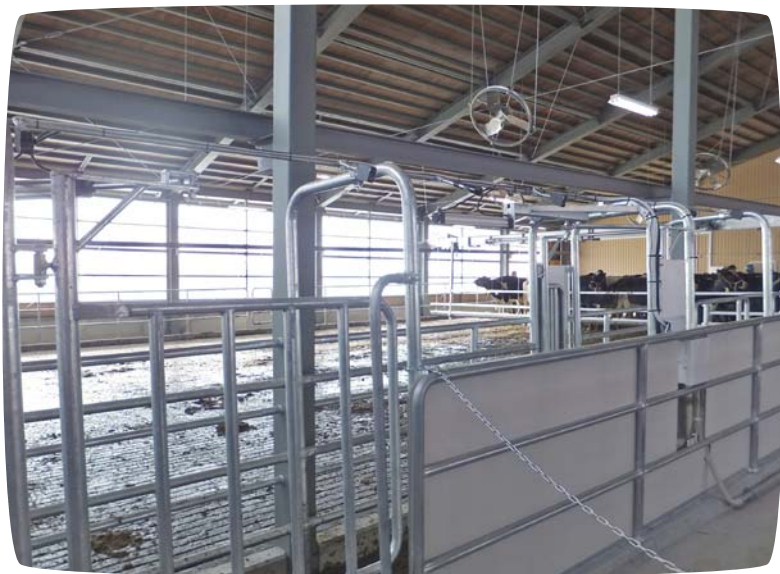
ORGANISE
ANIMAL FLOW
TO MAKE
THE BEST
OF YOUR TIME



Selection gate

MILKLINE'S SELECTION GATE SOLUTION LETS YOU GET THE BEST OUT OF YOUR DAILY DAIRY ROUTINE

Milkline's selection gate allows you to automatically sort your animals in need of special care, increasing farm efficiency. The sturdy, hot-dip galvanised frame is specifically designed to be animal-friendly, thus the sorting operations are optimised without affecting animal flow from the milking parlour. The integration with the DataFlow™ II herd management software allows you to control and manage all the sorting operations, create specific sorting lists or check if an animal was properly separated. Each animal is univocally identified at the entrance of the gate and, if necessary, is automatically sorted. Thanks to Milkline's selection gate, labour-intensive manual sorting is no longer necessary.



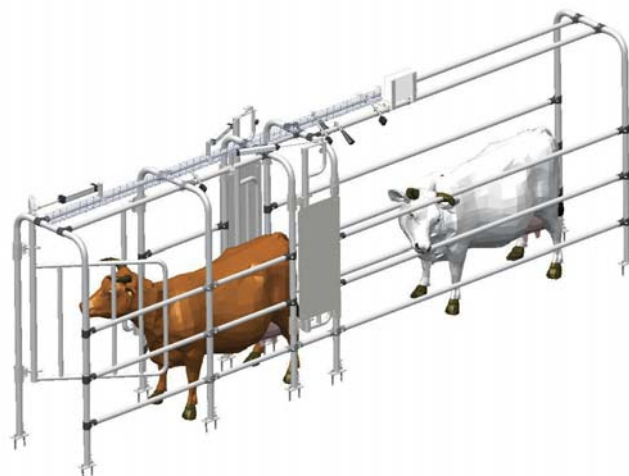
Main features

- › Two-or three-way sort directions
- › Pneumatically controlled gates
- › Real-time updated information
- › Fully integrated with DataFlow™ II
- › Animal-friendly frames for maximum cow comforts

💧 AUTOMATIC SORTING
TO REDUCE DAILY
WORKLOAD

💧 INCREASED BARN
EFFICIENCY

💧 VERY LOW
MAINTENANCE



Crowd gate


MILKLINE'S CROWD GATE SIGNIFICANTLY INCREASES MILKING SHIFT EFFICIENCY

Milkline's crowd gate allows you to automatically drive your animals to the milking parlour entrance, gently and stress-free, improving the efficiency of the milking process. Milkline's crowd gate is designed to save your time: instead of the operator having to group and guide animals to the milking parlour, this is all done at the touch of a button. Thanks to its special design, the system is animal-friendly, ensuring a quiet waiting area environment. Width and length can be adjusted according to the waiting area size, making it suitable for any type of barn. Available options such as a remote controller or rubber scraper are easily integrated to further optimise the management of the waiting area.



Main features

- > Customisable width and length
- > Heavy-duty frame
- > Durable
- > Suitable for any type of building
- > Optional: remote controller and rubber scraper

 AUTOMATIC ANIMAL DRIVING TO REDUCE YOUR DAILY WORKLOAD

 INCREASED MILKING SHIFT EFFICIENCY

 FAST AND EASY MAINTENANCE





Solutions for sheep and goats




MILKLINE PROVIDES ADVANCED MANAGEMENT TOOLS TO IMPROVE YOUR FARM'S PROFITABILITY

Sheep and goat farming requires rational and innovative products to support flock management. Milkline provides solutions for efficient and reliable control of all aspects of your animals, from identification to animal flow control. Thanks to a reliable RF identification system, each animal is univocally identified: data such as milk production or reproductive status are quickly transferred and processed by the herd management software. The Milcon SG™ sheep and goat herd management software provides you with complete information on each animal and gives you easy control of each aspect of your process, including animal flow, thanks to the option of integrating the Milkline selection gate for sheep and goats.



Main features

- > Accurate milk-yield monitoring and tracking
- > Suitable for any herd size
- > Real-time updated information
- > User-friendly milking pit operation, including real-time actionable alerts
- > Increased animal traffic

-  RELIABLE ANIMAL IDENTIFICATION
-  INCREASED MANAGEMENT EFFICIENCY
-  LABOUR-SAVING SOLUTION



A PLEASANT BARN ENVIRONMENT BOTH FOR ANIMALS AND WORKERS
LEADS TO INCREASED FARM PRODUCTIVITY AND PROFITABILITY



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- Surface coating 100
- Electric brushes 101
- Water trough and bowls..... 102
- Calf igloo 103

BARN ENVIRONMENT

MILKLINE OFFERS THE
BEST SOLUTIONS FOR
CREATING A COMFORTABLE
AND FUNCTIONAL BARN
ENVIRONMENT ENSURING
ANIMAL AND HUMAN WELLBEING
FOR EVERY OF BARN ACTIVITY
AREA, HELPING TO MAXIMISE
PRODUCTION.

Environment has a huge impact
on animal health and production.
For this reason, Milkline offers
a specific line of products, from
mattresses to calf igloos, to
improve the comfort, liveability and
functionality of your barns.



Barn equipment

FUNCTIONAL AND RELIABLE EQUIPMENT ALLOWS YOU TO IMPROVE PRODUCTION LEVELS AND ENSURE ANIMAL COMFORT

Milcline develops optimal and comfortable solutions to satisfy the needs of both animals and workers

A well-designed barn and a comfortable barn environment are important factors in improving farm efficiency. A comfortable and pleasant environment means healthy and stress-free animals that produce more milk and generally live longer. Furthermore, working with functional and optimised equipment helps you to save time and effort, and even enjoy your toughest tasks. Milcline provides a full assortment of barn equipment to guarantee good conditions for efficient and quality production based on quiet and satisfied animals.

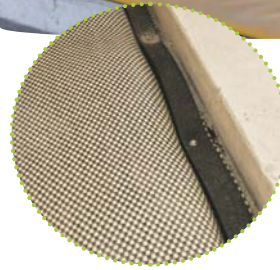


WELLBEING AS
A SUCCESSFUL
METHOD OF
INCREASING
PRODUCTIVITY

Mattresses

MILKLINE'S MATTRESSES ARE AN EFFECTIVE SOLUTION FOR THE IMPROVEMENT OF ANIMAL COMFORT, UDDER HEALTH AND MILK QUALITY

A comfortable, clean and soft cubicle enhances natural animal resting behaviour, with positive effects on milk production and fertility. Milkline's ECOLATTEX mattresses are designed to guarantee the correct compromise between softness and load-bearing strength, avoiding loss of balance and injuries due to accidental falls. The open cellular structure of both the tissue and internal material allows air to circulate under the animal, thus avoiding dangerous udder damage. Milkline's mattresses are encased in a highly resistant polypropylene material that ensures both a soft and easy-to-clean surface, for the best level of hygiene.



Main features

- Non-slip and easy-to-clean surface
- Different ranges of thickness
- Easy to install
- No maintenance required
- Cover surface in polypropylene material

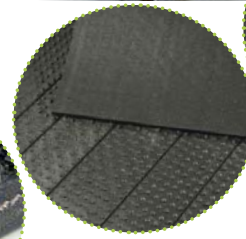
- 💧 IMPROVEMENT OF RESTING CONDITIONS AND PRODUCTIVITY
- 💧 REDUCTION OF IMPACT AND ABRASION INJURY RISKS
- 💧 INCREASED ANIMAL COMFORT



Surface coating

MILKLINE'S SURFACE COATING OFFERS A SOFT NON-SLIP SURFACE, USEFUL IN PREVENTING DANGEROUS FALLS AND HOOF DISEASE

Providing a slip-resistant and soft surface encourages animals to walk confidently, reducing the incidence of lameness and increasing your profitability. Milkline offers a wide range of rubber coverage dedicated to barn, milking parlour or waiting areas, depending on your needs. Thanks to the reliable and slip-resistant surface, your animals will walk more and better, promoting visits to the feeding fence and water trough. Furthermore, the specific design ensures easy mounting and cleaning, thus reducing time spent in daily cleaning. Increased milk production, improvement in heat detection and reduced incidence of hoof problems are only a few of the benefits of Milkline's surface coating products.



Main features

- Non-slip and easy-to-clean surface
- Soft surface comparable to natural grazing
- Easy to install
- For any type of slatted floor
- Suitable for renovation of old concrete floor

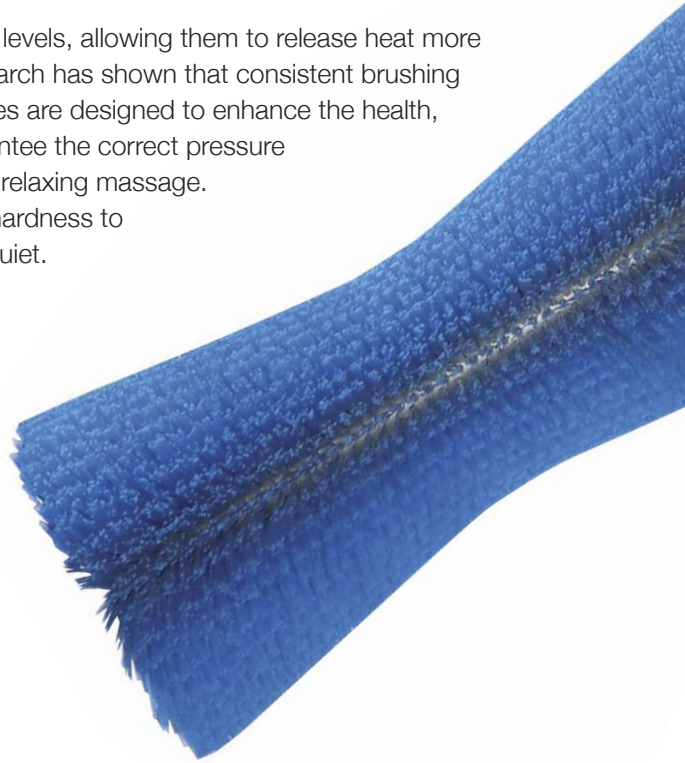
- 💧 SMOOTH AND CONSISTENT ANIMAL TRAFFIC
- 💧 PREVENTS HOOF PROBLEMS
- 💧 ANIMAL COMFORT ASSURED



Electric brushes




MILKLINE'S BRUSHES REALLY INCREASE ANIMAL COMFORT AND MILK PRODUCTION

Cows need scratching! Daily brushing improves the animals' hygiene levels, allowing them to release heat more easily and removing dirt and parasites from their skin. Moreover, research has shown that consistent brushing increases milk production and animal wellbeing. Milkline's cow brushes are designed to enhance the health, comfort and hygiene of your cows. The specific hourglass rolls guarantee the correct pressure and ergonomic adherence to the animal's shape, creating a pleasant relaxing massage. Moreover, the PPL technopolymer bristles have the right length and hardness to stimulate blood circulation while helping to keep the cow clean and quiet.



Main features

- > Fixed or oscillating models available
- > Suitable for 50 to 60 animals
- > Automatic emergency stop installed
- > Low energy consumption
- > Easy to install

-  MAXIMISE ANIMAL'S COMFORT
-  INCREASE MILK PRODUCTION
-  ENSURE EXCELLENT HYGIENE



Water trough and bowls

MILKLINE'S WATER TROUGHS AND BOWLS GUARANTEE EASY AND EFFICIENT ANIMAL ACCESS TO FRESH WATER

Water intake has a huge impact on animal health and milk production. As milk is composed of 90% water, making sure that your animals have the right amount of water is essential for high production. Milkline offers different types of water troughs and bowls to deliver plenty of fresh and clean water to your animals whenever they want. Thanks to the specific designs, your animals will have a large and calm drinking surface, allowing them to drink quickly and without stress and in keeping with their natural behaviour. Moreover, the easy-to-clean stainless steel surfaces enable high levels of hygiene and improve the efficiency of your daily routine.



Main features

- Smooth and easy-to-clean surfaces
- Suitable for any type of barn
- Large drinking surface
- Low maintenance required
- Easy to install

- 💧 ENSURE THE CORRECT AMOUNT OF WATER INTAKE
- 💧 EASY ACCESS TO WATER
- 💧 MAXIMISE HYGIENE LEVELS



Calf igloo

MILKLINE'S CALF IGLOOS ARE THE RIGHT PLACE TO START FOR RAISING YOUR HERD

Calves' first days of life are crucial in ensuring a healthy and productive animal. Milkline offers you an efficient solution for housing your calves and protecting them from adverse climatic conditions, while also providing proper warmth, shelter, fresh air and daylight. The special plastic igloo enhances light levels and good hygiene, as it is easy to clean. Thanks to the external paddock, each calf can easily move and interact with the other newborns while maintaining isolation, essential for the development of the immune system. Furthermore, your daily routine is simplified thanks to the dedicated support for buckets and bottles.



Main features

- Strength, weather resistance, ruggedness
- Compact and modular design
- Easy to clean
- Low maintenance required
- Easy to install

- 💧 MAXIMISE CALVES' COMFORT
- 💧 ENSURE EXCELLENT HYGIENE
- 💧 IMPROVE LABOUR EFFICIENCY





PROPER CARE OF EACH ANIMAL IS AN IMPORTANT DAILY TASK
IN ENSURING HEALTHY AND PRODUCTIVE HERDS



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ANIMAL COMFORT

A HEALTHY AND QUIET ANIMAL
GUARANTEES OUTSTANDING
QUALITY AND TOP PROFITABILITY,
REDUCES DISEASE INCIDENCE
AND IMPROVES REPRODUCTIVE
PARAMETERS.

Milkline offers a complete
assortment of high-quality products
for the welfare and comfort of your
animals, allowing you to give them
the best care. The range includes
products and solutions for
the comfort, cleaning and
management of your animals.





Animal care

PROVIDING THE MOST COMFORTABLE CONDITIONS FOR YOUR ANIMALS PRESERVES THEIR HEALTH AND INCREASES THEIR PRODUCTIVITY

Milkline offers a complete assortment of products and solutions to guarantee animal comfort

Animal care can make a real difference in terms of better quality of life for your animals. It is a necessary daily task for healthy, clean, peaceable and more productive animals. Milkline offers a full assortment of high-quality products for your animals' welfare and comfort so you can give them the best care. The range includes products and solutions for the comfort, cleaning and management of your animals: from brushes to hoof care products and much more. Milkline helps you take care of your animals so they can have a more comfortable, healthy and productive life.



ANIMAL
COMFORT
TO INCREASE
YOUR
PRODUCTIVITY



Brushes

MILKLINE OFFERS A COMPLETE RANGE OF HAND BRUSHES AND CURRY COMBS TO IMPROVE THE HYGIENE LEVEL OF YOUR ANIMALS

Proper grooming contributes to the hygiene and welfare of your animals. Regularly brushing the skin helps to keep it in good condition and protect it against external factors such as flies, pests and bacteria. It also allows you to establish a relationship of confidence and mutual trust with your animals. Milkline can satisfy all your needs with a wide range of metal or plastic brushes with bristles of different hardness as well as rubber curry combs, to suit the needs of your herd.



Main features

- › Specific models for each animal
- › Metal, iron or plastic currycombs bristles in natural fibres, mixed horsehair or nylon
- › Fine, wide or wavy teeth
- › Adjustable handle in leather, nylon or plastic

- 💧 CAREFUL DIRT REMOVAL
- 💧 EFFECTIVE PROTECTION OF THE COAT
- 💧 OPTIMUM STIMULATION OF BLOOD CIRCULATION





Hoof care

MILKLINE PROVIDES SPECIFIC PRODUCTS AND TOOLS TO KEEP YOUR ANIMALS' HOOVES HEALTHY AND CLEAN

Lameness is one of the most common diseases that consistently compromise the profitability of your farm. Milk production, fertility and animal health are significantly reduced, in addition to the animal having to suffer from a painful condition. Moreover, treatment for these problems results in extra costs and labour, reducing farm efficiency. Daily hoof care is certainly the best weapon to reduce the incidence of this costly disease. Milkline can provide effective help with an extended and complete range of specifically formulated detergents, brushes, pincers and breech solution products to preserve treat hoof problems and preserve their health.



Main features

- › Hoof detergent
- › Wide or narrow stainless steel hoof knives
- › Metal shears for straight or oblique cut
- › Curved or straight bladed chisels
- › Different models of grinder discs

- 💧 EFFICIENT LEVELLING
- 💧 CAREFUL CLEANING
- 💧 PRESERVED ELASTICITY OF THE CORNEA SUBSTANCE





Electric fences

MILKLINE ELECTRIC FENCING ALLOWS SIMPLE AND RATIONAL MANAGEMENT OF YOUR GRAZING AREAS

Herd management and control during grazing and protection from wild and dangerous animals can be very demanding without proper solutions. The use of electric fencing is definitely the best and most economical way to solve all these issues.

Milkline provides a truly complete range of electric fences and accessories to cater to any individual need. The choice between different types of power sources and outputs will allow you to tackle and manage any kind of situation or type of animal.



Main features

- › Lightweight and easy to transport
- › Specific energizers depending on the breed target
- › Different power supply types: 230V/12V mains cable, accumulator, 9V dry battery, solar power
- › Different types of conductors: tape, wire, braid
- › Possibility of selecting the power level on some models

- 💧 SAFE, VERSATILE, LONG LASTING AND ECONOMIC SOLUTIONS
- 💧 SIMPLE AND QUICK TO INSTALL
- 💧 EFFECTIVE PROTECTION FOR LIVESTOCK AND CROPS





Other animal products

MILKLINE OFFERS A FULL ASSORTMENT OF PRODUCTS FOR THE DAILY CARE OF YOUR ANIMALS

Simple daily tasks such as animal shearing, containment and cleaning can be labour-intensive if performed without proper equipment. Shearing, for example, is a very important and meticulous task: it helps animals to better cool themselves, and facilitates easy, comfortable and quick cleaning operations. Milkline provides effective and easy-to-use solutions for day-to-day animal care management. All the range on offer, from electric clippers to halters, has been designed to suit both professionals and hobbyists, offering top-level performance for every situation.



👁 Main features

- Teat buckets in quality plastic material
- Plastic, polypropylene or enamelled cast iron troughs
- Different models of feeding troughs: corner, anti-waste, fixed, for transport, portable, universal
- Professional shearers for all animals
- Complete range of collars

- 💧 IMPROVED ANIMAL HEALTH
- 💧 EFFECTIVE CARE SOLUTIONS
- 💧 HIGH PERFORMANCE



ASSISTANCE



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®



MILKLINE®

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