CUTTING-EDGE TECHNOLOGIES, BESPOKE SOLUTIONS

MILKING LINE

FINDING THE PERFECT MILKING PARLOR HAS NEVER BEEN EASIER
MILKLINE MILKING SYSTEMS ARE DESIGNED TO FULFILL FARMER NEEDS: FROM SMALL FAMILY FARMS TO BIG FARMS.

Choose your system, Milkline provides the right solution. Milkline milking systems are integrated solutions able to satisfy your needs when it comes to quality, comfort and profitability.

Milkline staff are always at hand to help you with your choice. They will also support you in your day to day activities, suggesting the right products for the health of your herd and the quality of your milk.
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MILKING PARLORS

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MILKING EQUIPMENT

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Milking is one of the most sensitive and important phases in a dairy farm. It is fundamental to ensure good animal health, avoid stress and optimise milk yield and quality.

It’s also vital for the comfort and safety of the operators during the milking operations to guarantee a swift and complete milking process.

The five Milkline milking parlors provide the best technologies to guarantee high-performance milking, with top quality results and ease of use for the customer.

The competent and professional team of suppliers and distributors will support you during scheduled machinery checks. It will also promptly support you in case of emergencies to ensure constant, optimal cow performance levels.
THANKS TO MILKLINE, THE FARMER’S JOB BECOMES EASIER, MORE EFFECTIVE AND PROFITABLE

Milking parlor accessories and equipment

- Crowd Gate Heavy Duty
- MILGATE Sorting gate for automatic animal separation at the exit from the milking parlor
- Tunnel to host milk measuring components [MUSICALE – parallel parlor]
- Stainless steel structure [MUSICALE - parallel parlor]
- Tunnel - Tri-level to host milk measuring components [MUSICALE – parallel parlor]
- Rubber coverage for milking parlor floor coating and for animal comfort
- MILFEED internal and/or external milking parlor automatic feeding system
- Quick exit quick animal exit from the stalls [MORBIDA - herringbone parlor] [MUSICALE – parallel parlor]
- Single indexing front barrier individually adjustable per single animal [MUSICALE – parallel parlor]
- Indexing automatically adjustable front barrier [MAGICA – swing over parlor]
- Suspended frame to make milking parlor cleaning operations easier and for animal comfort [MORBIDA – herringbone parlor] [MUSICALE – parallel parlor]
- Stainless steel drawers to host the components [MUSICALE – parallel parlor]
- Stainless steel cabinets for the washing station [MUSICALE - parallel parlor]
- Cabinet with retention bars to host components and for improved performance [MAESTOSA - Rotary parlor]
- Pneumatic opening gates

ADVANTAGES

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Rotary parlor
A SYNERGY OF PERFORMANCE AND EFFECTIVENESS

The Rotary platform is a solution for advanced farming companies focusing on obtaining top performance levels. This platform is characterised by significant milking performance levels due to rigorous, constant and regular operation. High milk yields are obtained while respecting animal wellbeing. The cows can reach the milking stalls quickly and easily, thus reducing competitive behaviour among the animals. The cows step on the platform individually and start their milking routine in the Milkline parlor in absolute comfort and quiet. Milkline Rotary platform provides excellent working conditions and makes the milking process easy and smooth because the operator can perform all milking procedures in a few movements.

- **Herringbone Rotary parlor**
  The internal milking system offers all advantages of side milking and visual control over all cows on the platform.

- **Parallel Rotary parlor**
  The external and rear milking systems have been developed to obtain maximum performance. For this type of Rotary parlor, the milking routine and waiting area need to be managed perfectly in order to guarantee regular and continuous animal access to the platform. This will lead to exceptional performance levels.
Advantages:

- Our Rotary platform is developed with cutting-edge, tried and tested and established technologies
- The platform control system and the rotation speed can be easily adapted to your milking needs and routine. Easy and intuitive control panel made for the operator
- Milkline’s Rotary milking parlor offers full integration with Milkline’s milking solutions
- The rotary milking platform is the solution for top performance levels and good parlor management. All areas inside the stable must be prepared and dimensions must ensure optimal cow flow. Farm layout, group dimensions, alleys, waiting area, operator routine: all become part of the Rotary system
- Cows access the platform and wait their turn in a quiet and peaceful environment: top performance throughout
- The Milkline Rotary parlor can be equipped with all available levels of milking technology. From standard technology using controllers such as MC200 or MilproRed units, to advanced milking features. ED200 control unit, prepared for connecting to the herd management system, or MilproP4C for a complete herd control and best milking characteristics
Available models:

- **Herringbone Rotary - Proactive**
  - Milkline Herringbone Rotary is recommended for farms rearing between 200 and 1,000 cows
  - The main advantage is full milk control during the rotation. The milker can easily check cow conditions and milking process on every single stall
  - Operator location: inside the pit of the platform
  - Available dimensions: 12-40 stalls

- **Parallel Rotary - ProActive**
  - The Milkline Parallel Rotary is recommended for herds between 600 and 3,000 cows
  - The main advantage is the consistency of the milking routine and the milking capacity. This external Rotary is designed and built for continuous milking - Heavy Duty applications
  - Operator location: outside the platform
  - Available dimensions: 32-80 stalls
Traditionally, the Parallel milking parlor is ideal for modern companies focusing on efficiency and high performance levels. Milkline’s parallel milking parlor covers all needs, meeting the most different demands. Available versions come in the classic parallel stall with an inclined wing and simultaneous opening front barrier model and up to the front barriers with individual indexing. The advanced parallel model calibrates animal position by the combined action of the front barrier’s weight and a rubber damper. For stall installation in limited spaces, Milkline provides solutions with a vertical-opening barrier and, for 2.5 m wide platforms, a parallel solution with lifting-sequential barriers and a traditional exit.

Milkline’s parallel solutions are characterised by their sturdiness and ease of installation. Available in a hot-dip galvanized steel structure, galvanized steel and stainless steel columns, and a stainless steel structure.

Milkline’s Parallel milking parlor offers full integration with Milkline’s milking solutions. You can adapt all types of milking control systems on this solution. From regular systems to the most advanced control systems (MilproP4C).

Advantages:

- The Parallel parlor is developed for advanced dairy farming
- The milking parlor, alleys and waiting area are easy to sketch in a modern farm layout
- Cows are positioned side by side. Movements of the milker are reduced and the control on cows in milking is improved
- Cow positioning in a parallel parlor is efficient and flexible for the milker’s routine
- Easy to adapt to territorial or sequential routine and to control its execution
- Compact installation reduces the investment for new buildings
- Cow flow is fast and smooth with possibility to implement separation gates for cow to be separated after milking cows

PERFORMANCE AND RAPIDITY
A COMPACT AND EFFECTIVE DEVICE, QUICK AND EFFECTIVE ROUTINE, EASY TO SET AND CONTROL
Available models:

- **Standard Parallel**
  - Front barrier with simultaneous exit
  - Sequential gates on the platforms
  - Customised centre post position on request
  
  **OPTIONAL**
  - Cabinet to protect components
  - Hot-dip galvanized steel or stainless steel cast
  - Bolted stall frame
  - Single indexing

- **Parallel Pro**
  - Front barrier with simultaneous opening command
  - Suspended sequential gates
  - Centre post 720 mm
  - Hot-dip galvanized steel structure
  
  **OPTIONAL**
  - Automation cabinets
  - Stainless steel cast
  - Bolted stall frame
  - Single indexing

- **Parallel Pro Heavy Duty**
  - 2” front barrier with individual indexing
  - Suspended sequential gates
  - Centre post 720 mm
  - Hot-dip galvanized steel structure
  
  **OPTIONAL**
  - Automation cabinets
  - Stainless steel cast
  - Bolted stall frame on platform
### Parallel ProActive
- 2” front barrier with simultaneous vertical lifting option
- Suspended sequential gates
- Centre post 720 mm
- Hot-dip galvanized steel structure

**OPTIONAL**
- Automation cabinets
- Stainless steel cast
- Bolted stall frame on platform

### Parallel Side by Side
- Wall mounted front barrier
- Suspended and lifting-operated sequential gates
- Centre post 720 mm
- Hot-dip galvanized steel structure

**OPTIONAL**
- Automation cabinets
- Stainless steel cast
- Bolted stall frame on platform
The stalls in the Herringbone milking parlor have the advantage of perfect animal and teat control during the milking process. Cows will also be able to stand in a comfortable space which naturally adapts to their shape.

The operator has complete access and visibility over the udder. This position allows to clearly and quickly highlight possible anomalies, allowing him to intervene easily. The Herringbone milking stalls are especially indicated for parlors which might have limited space and medium-sized parlors. They are the preferred option for farmers who want to maintain a degree of control over their animals.

Milkline’s Herringbone milking parlor comes in various models.

Advantages:

- The most common solutions include a 30° incline of the cows compared to the milking pit. In this case the parlor can be the Standard or completely suspended model, to guarantee optimal operator visibility and accessibility.
- Other solutions in the stalls include the front barrier, which can be straight or curved, mounted on the floor or wall.
- Other, more compact solutions include a 60° incline of the cows compared to the milking pit. These types of specific Herringbone stalls are especially indicated for stables which need extra capacity in existing buildings with limited platform width (around 2 m): from the classic 30° Herringbone to the more modern and efficient 60° Herringbone.
- Milkline’s Herringbone milking parlor offers full integration with Milkline’s milking solutions. You can adapt all types of milking control systems on this solution. From regular systems to the most advanced control systems (MilproP4C).

FLEXIBILITY AND VERSATILITY
EASILY INSERTED IN EXISTING STRUCTURES
HIGH VISIBILITY OF THE ANIMAL AND OF THE MILKING PROCESS
Available models:

- **Standard 30° Herringbone**
  - Shaped rear barrier with individual splash guards
  - Shaped or straight front barrier
  - Floor installation
  - Platform width 2 m
  - Centre stalls distance 110 cm
  - Front barrier pipelines’ dimension 1 ¼ inches
  - Vertical floor column for every stall

- **Suspended 30° Herringbone**
  - Shaped rear barrier with individual and suspended splash guards
  - Space below the rear barrier free with complete visibility and access to the working area
  - Every 4 stalls, the frame is held up by a support tube anchored to the parlor’s walls
  - Shaped front barrier
  - Floor installation
  - Platform width 2 m
  - Centre stalls distance 110 cm
**CH 30° Herringbone**

- Shaped rear barrier with individual and suspended splash guards
- Space below the rear barrier free with complete visibility and access to the working area
- Wall bolted frame
- Shaped front barrier
- Wall installation
- Platform width 1.50 m
- Centre post 120 cm
- Pipelines front barrier 1¼ inches

**Suspended 60° Herringbone**

- Front barrier straight
- Wall installation
- Centre stalls distance 76 cm
- Platform width 2 m
- Rear barrier 2 inches
- Individual splash guards
- Rear barrier suspended
TopSwing milking parlor

HARMONIOUS MOTION WITH SWING OVER ARMS

The TopSwing milking parlor has a central milk line where the milking units are alternatively used on both sides. It represents an ideal solution for medium and large herds, guaranteeing top speed and reliability with reduced labour. The parlor is characterised by ‘swinging arms’, which are integrated to the automatic TCR and a fully suspended Heavy Duty stall which gives the milking parlor a modern and efficient look. With Milkline TopSwing you get rid of what is unnecessary and gain more ‘open space’, providing the operator with freedom of movement and maximum comfort for the animals. This type of milking parlor milks an extremely high number of animals per hour and ensures minimal staff presence.

Advantages:

- The Fisiomilk milking system, with large diameter (100 mm) milk pipes and VarioSpeed milk pump - with frequency converter - ensures optimal milk process
- Easy starts. Milking starts by moving the central Milkline TopSwing arm. Moving from one side to the opposit side, the TopSwing arm automatically gives the signal to start milking a new cow
- The TopSwing milking stalls are fully suspended. The frame structure is extremely solid and robust. The arm is in stainless steel and also includes an automatic TCR - Teat Cup Remover
- The Milkline Clean Hot: the TopSwing cleaning system uses hot water and allows you to obtain perfect sanitisation of the plant in record time without using detergents
- The adjustable front barrier adapts the stall dimension to the size of each group of cows and is a big help for optimising the milking process
The Tandem milking parlor has been developed to milk from the animal’s side, offering complete visibility and control over the animal and the milking process. Even cows can easily observe what goes on in the parlor and feel at ease in a space offering comfort and safety for both animal and operator.

The main advantage of this solution is the respect of the differences in time: each cow’s milking duration does not influence the times of the other animals being milked on the same platform. In other words, an animal with especially long milking times will not delay the other animals on the milking platform.

Advantages:

- The Auto-Tandem version (automatic barrier control) guarantees exceptional performance levels: milk up to 7 cows per hour for every milking cluster. Moreover, the automatic barrier control will release the animal only upon receiving a command from the operator.
- The Tandem milking parlor offers full integration with Milkline’s milking solutions.
- An optional solution comes in the form of Milkline’s hose alignment arm for optimal milking cluster positioning. A useful complement for optimal animal and operator comfort.
- Tandem milking stalls are ideal for milking buffaloes and can be used in a series of up to 10+10 lined up stalls.
MILKLINE GIVES YOU THE POSSIBILITY TO CHOOSE AMONG UNIQUE SOLUTIONS WITH THE MOST ADVANCED TECHNOLOGY. WHEN DESIGNING MILKING EQUIPMENT, MILKLINE ALWAYS CONSIDERS THE MILKER’S NEEDS AND THE COW’S COMFORT.

Milking equipment is the core of your milking system!

Milking equipment takes care of milk extraction and coordinates the work of different components: parlor frame, pulsation, milk meter, TCR, etc.

The milking controller represents the ‘intelligent’ unit of the milking unit. It works by coordinating parlor gates, vacuum, teat cup removers, pulsators, clusters and reporting any abnormal condition to the milker.

The cluster is in contact with the udder and its task is to extract milk while respecting the health of the udder and completing the operation in a shorter time frame.

Milkline designs and provides the most advanced solutions to milk your cows.

From standard and highly effective technology to the most advanced solutions including herd management connection, mastitis detection and semi take-off feature.

GOOD MILKING CONDITIONS ARE ESSENTIAL TO ACHIEVE ANIMAL WELLBEING AND PRODUCTIVITY
Milking controllers

MilproP4C

*MILPROP4C IS A CONTROL UNIT CONNECTED TO THE MILKING PARLOR THAT CAN DETECT THE ONSET OF MASTITIS BEFORE THIS IMPAIRS ANIMAL HEALTH.*

*BY CHOOSING MILPROP4C, YOU WILL IMPROVE THE HEALTH OF YOUR ANIMALS AND REDUCE YOUR BUSINESS COSTS.*

Mastitis, an acute infection of the mammary gland, is one of the most significant dangers for productivity. It is a very common problem on dairy farms and one of the main reasons of economic losses in this business.

So far, the most common method for detecting mastitis were the expert eyes of the milker, who would detect clots in milk and a hard udder, typical clinical manifestations of bacterial infection.
Today, technology can really help farmers by providing a scientific and safe system to detect mastitis.

**MilproP4C** is a very advanced technology system that allows the farmer to have complete control over the milking process. This product’s uniqueness and high efficiency are the result of the presence of innovative functions for milking per single quarter.

**MilproP4C** has a conductivity meter which provides values related to the single quarter depending on milk flow. When the conductivity is low, milking for that quarter is automatically stopped. This system protects from over milking, since it stops at the correct time and preserves animal health and productivity.

### Main features:
- Independent pulsation per single quarter
- Flow-controlled pulsation with automatic stimulation function
- Detection of subclinical mastitis per quarter
- Milking stop function per single quarter without removing the milking unit
- Control over automatic removal of milking unit
- Alert for low-yield animals
- FFS30, Free Flow Infrared technology milk flow sensor, enabling accurate and reliable monitoring of milk flow and yield
- MEL1000, ICAR approved milk meter. The Milkline MEL1000 gives an official milk yield data recording required by official breeder organizations

### Advantages:
- High-quality milk
- Increase in productivity
- Maintaining animal wellness
- Reduction in veterinary wellbeing
- Productivity data per single animal
- Reduction in milking times

**PREVENT MASTITIS. TAKE CARE OF YOUR ANIMALS, IMPROVE YOUR BUSINESS PERFORMANCE**
The system

**MILPROP4C** REALLY IS A COMBINATION OF INTEGRATED PARTS, PROVIDING EXTREMELY VALUABLE FINAL RESULTS.

**DynamicP4C**

The **DynamicP4C** milking unit has a patented deflector that keeps milk flow independent per single quarter, while simultaneously taking a reliable measurement of conductivity through four built-in conductivity measuring cells. The special deflector shape, together with the separating walls per single quarter, prevents the typical turbulent milk flow from liners to the bowl, thus avoiding the occurrence of mastitis by contact. The **DynamicP4C** line has been designed and created to give the best results when used with the specific silicon liners and teat cup shell, which are patented to provide special protection and high resistance.

**MilgripP4C**

**MilgripP4C** is a unique and patented solution providing an ergonomic added value to the P4C cluster. The milker’s work is now easier and safer thanks to the unit’s strong handle. This is a unique Milkline solution!

**ServoPulseP4C**

The **ServoPulseP4C** electronic pulsator is characterised by 4 independent pulsation channels. The pulsator allows you to set the main parameters of milking. This will make it possible to adapt the best features of milking to the needs of each individual cow.

**MilproP4C control unit**

The **MilproP4C control unit** is a microcomputer that collects and processes data and is able to manage all milking functions per single quarter. It is characterised by an ergonomic interface with a display which visualizes the alerts during the milking process. This way the milker only has to attach the milking unit.
The integrated ED200 milking controller unit has been specifically developed for complete management of individual milking stalls.

**ED200** is one of the most advanced milking controllers with a big screen listing milk production and flow, which helps the milker constantly monitor the milking process. It’s also fitted with the innovative pulsation logic with automatic stimulation, controlled flow pulsation, automatic TCR, kick-off detection and low production alerts, remote programming solutions using a PDA, activation of the machine thanks to a large button and much more. The system controls milking operations from the moment the operator attaches the milking cluster until the end of the milking process itself, including automatic TCR.

**ED200** can be fitted on every milking parlor thanks to its modular installation kit. It can also be implemented with further modules, such as automatic animal identification (ID&Activity) and can be connected to the DataFlow™ II computerised herd management system.
Main features:

- Individual flow controlled electronic pulsation, for short, natural and efficient milking (up to 20% milking time reduction) guaranteeing minimum teat stress
- Large LED screen (4 digits), production monitoring of milk, milk flow, milking time, milking conditions description and alerts
- FFS30, Free Flow Infrared technology milk flow sensor, enabling accurate and reliable monitoring of milk flow and quantity produced
- Automatic TCR - The system controls the vacuum valve and the cluster removal cylinder. The milk flow level determining TCR removal can be changed
- Accidental fall alert with instant vacuum shut-off (stops contaminated air from entering in the case of kick-off alert and low production alerts). Available with FFS30
- Easy to use thanks to a single, multifunction button
- State-of-the-art and flexible programming system with up to 50 different settings via PDA, Palm™
- Possibility to connect to herd management system of DataFlow™ II and the ID&Activity heat tracking system
MilproRed

THE INTEGRATED MILKLINE MILPRORED MILKING SYSTEM IS THE IDEAL SOLUTION FOR UPDATING AN EXISTING MILKING PARLOR WITH STATE-OF-THE-ART TECHNOLOGY WITH MINIMAL INVESTMENT OR FOR THOSE OF YOU WANTING A NEW MILKING MACHINE WITHOUT GIVING UP ON THE MOST RELIABLE AND MODERN MILKING TECHNOLOGIES.

The integrated MilproRed milking system is the ideal solution for updating an existing milking parlor with state-of-the-art technology with minimal investment or for those of you wanting a new milking machine without giving up on the most reliable and modern milking technologies.

MilproRed is an advanced milking controller which includes a screen listing milk production and flow, sophisticated pulsation programs with automatic stimulation, controlled flow pulsation, automatic TCR, kick-off and low production alerts, remote programming solutions using a PDA, activation of the machine thanks to a large button and much more.

The system carefully controls all milking phases from the moment the operator attaches the milking cluster until the end of the milking process itself, including automatic TCR.

MilproRed is modular
It can be adapted to every operational need. It can also be integrated with further modules, such as automatic animal identification (ID&Activity) and can be connected to the DataFlow™ II herd management system.

MilproRed is flexible
It can be installed in all type of milking systems and is ideal for upgrading existing parlors. MilproRed gives a 'second new life' to your parlor.

The system is made up of a small number of highly reliable components and is easy to install and use. MilproRed can be used in all kind of milking parlors and is ideal for updating existing parlors.
Main features:

- Individual flow controlled electronic pulsation, for short, natural and efficient milking (up to 20% milking time reduction) guaranteeing minimum teat stress
- LED screen (4 digits), production monitoring of milk, milk flow, milking time, milking conditions description and alerts
- FFS30, Free Flow Infrared technology milk flow sensor, allowing a reliable and accurate flow and yield monitoring
- MEL1000, ICAR approved milk meter. The Milkline MEL1000 gives an official milk yield data recording required by official breeders organizations
- Automatic TCR - The system controls the vacuum valve and the cluster removal cylinder. The milk flow level determining TCR removal can be changed
- Kick-off alert with instant vacuum closure (stops contaminated air from entering in the case of a fall) and low production alerts (in combination with FFS30)
- Easy to use thanks to a single, multifunction button
- State-of-the-art and flexible programming system with up to 50 different settings via PDA, Palm™
MC200

THE INTEGRATED MILKLINE MC200 MILKING SYSTEM IS THE IDEAL SOLUTION FOR UPDATING AN EXISTING MILKING PARLOR WITH STATE-OF-THE-ART TECHNOLOGY WITH MINIMAL INVESTMENT. MC200 HAS BEEN SPECIFICALLY DEVELOPED FOR COMPLETE MANAGEMENT OF INDIVIDUAL MILKING STALLS.

The integrated MC200 milking system is the ideal solution for updating an existing milking parlor with state-of-the-art technology with minimal investment. MC200 has been specifically developed for complete management of individual milking stalls.

MC200 is an economic controller with advanced features and smart milking logic. You can modify all milking parameters, adapting them to the specific needs of your herd. Visualise milk production and flow on the screen.

Use dynamic pulsation logic in combination with automatic stimulation, controlled flow pulsation, automatic TCR, kick-off detection and low production alerts. All functions on the milking point can be accessed via a large button.

The system controls the milking operation from the moment the operator attaches the milking cluster until the end of the milking process itself, including automatic TCR.

MC200 is modular
It can be adapted to every operational need. You can upgrade your parlor, or extend the number of milking points in a very easy way. This is the most profitable investment for your parlor and herd.

MC200 is flexible
It can be installed in all type of milking systems and it is ideal for upgrading existing parlors. MC200 gives a ‘second new life’ to your parlor.
Main features:

- Individual flow controlled electronic pulsation, for short, natural and efficient milking (up to 20% milking time reduction) guaranteeing minimum teat stress
- Large LED screen (4 digits), production monitoring of milk, milk flow, milking time, milking conditions description and alerts
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- State-of-the-art and flexible programming system with up to 50 different settings via PDA, Palm™

OPTIMISE YOUR MILKING EFFICIENCY AND IMPROVE COW WELLBEING
Automatic Teat Cup Remover

MPD NEW

Milkline’s MPD NEW automatic teat cup remover has been developed following few but decisive criteria:

- **Extremely flexible setting options**
  milk your cows based on your needs

- **Easy to use**
  use one button to operate all milking processes

- **Extremely reliable material and components**
  guarantee a high working standard over long periods of time

- **Reduced and easy maintenance**
  operations result in lower operating costs

- **Your cows won’t be stressed**
  They will have healthy teats thanks to the pleasant milking process guaranteed by using the MPD

Main functions:

- Milkline’s MPD NEW automatic teat cup remover is composed of a 80 cm PVC piston (AUTOSTART model with stainless steel version), a single control panel for simultaneous operating of all installed teat cup removers, a flow sensor and the command button

- Thanks to the Master Controller panel, connected to all the removers, you can set all the parameters to obtain a precise and constant removing procedure

- All commands are given via a large button: start milking (even choose from a manual milking option) stop milking

- With MPD NEW AUTO START, milking starts simply by lifting the milking cluster, making every milking easy and comfortable

- The head of the cylinder contains a three-colour LED screen, which will inform you in real-time on the TCR working status and, if needed, will also inform you of possible milking problems
Hose alignment

To complement the range of milking stalls products, Milkline is now offering a wide range of accessories. Developed to streamline the milking process whatever the situation and provide operator and animal comfort.

Milkline provides efficient accessories to always perform a good milking. Hose alignment arms for Herringbone and Tandem parlors (side milking). Hose support rope for parallel parlors (rear milking).

Hose alignment devices are essential accessories if you want to guarantee an optimal milking process even in the presence of irregular shaped teats.

The hose support arm is a useful tool in Herringbone and Tandem parlors. It helps to always keep the right cluster position for comfortable milking.

The arm's main body is in stainless steel and has been developed to withstand wear and tear during milking and washing processes.

Milkline’s hose alignment rope correctly positions the milking cluster and supports the weight of the pipelines on the Parallel stalls.

The accessory allows you to easily milk even when faced with difficult conditions, such as teats placed too high or low on the udder; it also reduces undesired air flow to a minimum during the milking and washing process.

Milkline’s hose alignment rope is an extremely useful accessory for new stalls and can be easily fit onto existing stalls.

Streamline the milking process and guarantee operator and animal comfort.
Pulsators

MILKLINE PULSATORS ARE SPECIFICALLY DESIGNED TO WORK IN COMBINATION WITH MILKLINE SYSTEMS. RELIABLE PULSATION IS THE MOST IMPORTANT CHARACTERISTIC WITHIN A MILKING SYSTEM.

Good pulsation guarantees low hyperkeratosis and good udder health. For this reason, Milkline focuses on good, precise and reliable pulsation systems at all levels.

A precise and reliable pulsation pattern is a crucial factor to guarantee a good, rapid and uniform milk ejection. This will respect udder health, reduce animal stress and keep milking time within the limit demanded by good management operations. Reliable pulsation means good milking for animals and for the operator. The standard pulsation frequency for cows is 60 cycles per minute. For the pulsation ratio usual values are 60:40 and 65:35. Milkline controllers technology provide a Smart Pulsation logic to vary the pulsation rate and frequency, adapting them in real-time to the actual milk flow rate.

Master and Programmable

Milkline electronic pulsators are highly reliable, even under extreme working conditions. The high qualitative standard of the material used and an extremely simple and affordable maintenance process make these pulsators ideal for every type of installation; they are also resistant to heavy workloads.

Features:

- The special ‘quick connection’ feature allows the removal of the pulsator from its dock without having to turn the power off
- A simple and effective ‘Pneumatic Monitor’ reports problems to the connected milking cluster (for example, detachment of a pulsation channel, breaking of a pulsation tube or of a milking liner)

PROGRAMMABLE pulsator

contains a PCB where you can set 16 different milking programs. You can select a specific pulsation set-up:

- 8 for dairy cows and buffaloes
- 6 for sheep
- 2 for goats

Easy to install, it can also be easily adapted to all milking systems in need of a pulsation system upgrade and renovation.

MASTER pulsator

is used in conjunction with the MasterTronic and CombiTronic control panels and is also the reference pulsator of our MilproRed and ED200 systems.
SmartPulse

THE SMARTPULSE LINE FEATURE IS THE INNOVATIVE ELECTRONIC PULSATION SYSTEM EXECUTED BY A SIMPLE ‘SOLENOID DRIVEN’ SILICON MEMBRANE. THIS ENSURES LOWER CONSUMPTION, LIGHTER WEIGHT, INCREASED DURABILITY AND COMPLETE SILENCE.

Milkline SmartPulse pulsators stand out for their cutting-edge electronic pulsation system, powered by solenoid controlled silicone membranes. This feature allows them to drastically reduce energy consumption and makes them lighter, more resistant to mechanical wear and tear and extremely silent.

Features:

- Power supply 24 volt DC
- Extremely silent (we recommend you plug your pulsators to an air filter line via the appropriate air filtration kit)
- Extremely low energy consumption thanks to ‘precision coil’ s low absorption solenoids
- Easy and efficient locking bayonet system
- Individually programmable thanks to a chip housed in the pulsator lids
- Developed and built with few and simple components to carry out an easy and affordable maintenance process

SmartPulse PROGRAMMABLE pulsator

Independent and programmable pulsation.
Select 8 different pulsation frequencies (from 50 to 180 ppm) and 8 massage/milking ratios (50/50 to 70/30).
Programme the pulsation phase displacement per group of 8 pulsators (waterfall effect).
Every pulsator contains an electronic panel with two buttons: select the different pulsation frequencies, the massage/milking ratio or the pulsation phase displacement per group of 8 pulsators (waterfall effect).

SmartPulse MASTER pulsator

No internal electronic chips and it has to be connected to a MASTER TRONIC pulsator control panel.
MILKING EQUIPMENT

ML120

MILKING IS FAST, UNIFORM, CONSTANT AND WITH LOW STRESS FOR THE ANIMALS. A PULSATOR WITH A RATIONAL DESIGN, IT WAS BUILT WITH HIGH-RESISTANCE POLYMERS WHICH MAKE IT A STRONG, RELIABLE AND COST-SAVING PRODUCT.

The Milkline ML120 pulsator represents the latest model of pneumatic pulsators and offers a professional performance for affordable prices. This pneumatic pulsator can be fitted to all kind of machines thanks to a complete series of interchangeable connections.

Features:

- Excellent milking and constant massage phases
- Maintenance free
- Solid construction, created to last in time
- Runs dry and internal components are 100% auto-lubricated
- Adjustable frequency range from 50 to 180 PPM
- Operating vacuum range from 35 to 50 kPa
- Dry operation, internal parts 100% self-lubricating
- The innovative coupling SUREMATCH® system between the internal parts makes maintenance faster, maintaining the time frequency and the maximum milking default ratio
- ML120 pulsator is made in Italy and individually tested according to the strictest company regulations in compliance with ISO standards

Air-filtering system ensuring a bigger filtering capacity of 50% compared to the market standard
Milk meters and flow indicators

OPTIMISING A FARM DEMANDS TOTAL CONTROL OVER THE PRODUCTIVE PROCESS, AN IMPROVEMENT IN THE QUALITY OF THE FINAL PRODUCTS AND A REDUCTION OF PRODUCTION COSTS.

Milkline is able to meet various demands in managing an agribusiness: from carrying out admin work to management analysis, from controlling the single production processes to a complete analysis. Milkline focuses on systems which help the farmer increase productivity. One key factor in dairy farm management is data collection in the milking parlor, including milk yield. Milkline’s milk meter solutions are:

**MEL1000**
- MEL1000 is an ICAR approved milk meter
- Milkline MEL1000 directly measures milk weight
- MEL1000 not only measures milk, it also delivers excellent performance and lasts in time
- MEL1000’s key strengths are its ease of use, its sturdiness and precision. Furthermore, MEL1000 is supplied with a Milkline sampling kit for quick and efficient collection of milk samples

**FFS30**
- FFS30’s measuring technique is based on infrared transmission (IR) passing through the milk flow
- The infrared band changes its dimension and intensity when passing through the milk flow. An accurate analysis picks up the changes in the infrared band and processes them using a specific algorithm. All these data are exchanged real-time, guaranteeing full reliability and precision when measuring milk