

AristoSimpo

Milking Automation System

The Economical Generation of Milking Control Units



iGol Farm Equipment

Easy to Install & Operate

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AristoSimpo

Welcome to iGol solution

The AristoSimpo milking control unit provides you a high-tech, affordable, and profitable solution for your milking process. This unit can be installed on every dairy farm and for a wide range of livestock such as cows, goats, and sheep.

We are proud to say our product meets the need of all farmers, from small family farms to large-scale industrial one.



Great time saving in the working routine

Livestock are your precious property, so you have to protect them properly. AristoSimpo and its electronic board control several functions during milking process to avoid any harm to livestock and their milk.

The central processor uses data received from other components to calculate perfect timing for finishing the milking process. Avoiding bovine mastitis and operator errors are one of the most important benefits of perfect timing to remove the cluster. Accurate timing also decreases the milking process significantly. This waterproof control panel can be used in automatic or manual way.

- This control panel has three keys, the main key to Start/Stop and two operational keys
- The first key is used for manual and automatic milking or rinsing and milking
- The second one is used for restart or selecting stimulation-time
- The device has three LEDs to give feedbacks to operators, separator activation (Red), milk flow (Yellow) and pulsation (Green)



Manual/Detacher Activation

Milk Flow

Pulsation

Manual/Automatic
Milking/Rinsing

Restart/Selecting Stimulation Time

Start/Stop

Heavy duty pulsator and shut-off valve

We gather pulsator and shut-off valve in a sealed box. This box is equipped with a fresh air filter which delivers fresh and pure air to pulsator and shut-off valve.

We invent a mechanism to prevent udder diseases. Teat-end prolapse, mastitis due to milking, dark blue ring, etc. won't happen to your livestock anymore, because of turning on the cluster removal on time.

The embedded LED light gives feedback to the operator in every step, e.g. blinking shows the milking process is going on.

Based on livestock type, we can choose between a wide range of pulse rates, pulse ratios, and stimulation time. We use iGol experts' knowledge to program your device due to herd situations.

This is how we present iGol solutions.



High-precision in detecting the milk flow rate

The milk Flow sensor monitors the milk flow rate frequently and sends signals to the central board. When the milk flow rate goes under a certain amount, the control board will order the shut-off valve to remove the cluster. This process guarantees farmer for optimal milking (neither over milking nor under milking)

The milk flow sensor, with optimum stripping quality, measures the milk yield flow through the free milk flow and supplies the information required for milking control to the control unit. Thus, the control unit determines the ideal time for shutting off the vacuum or cluster removal. This means optimal milking every time with a vacuum, which is gentle on the udder.





Long life vacuum cylinders

When the milking process finishes, the vacuum cylinder detaches the cluster gently. The vacuum cylinder is available in both stainless and PVC. Either of them is 63 mm in diameter and 950 mm in length.

Electrical system

Depending on the capacity of the milking machine and the number of milking units, various types of power supplies from 3A up to 18A are available.



SecuraTor:

Protect pulsator and livestock simultaneously.

When liners rupture suddenly, a lot of unpleasant things will happen, such as:

- Liners don't work properly
- A lot of milk is lost
- If milk enters pulsator channels and dries out, it will disrupt the pulsator
- Contaminated external objects can enter hoses and pulsator channels, which leads to pulsation disorders

This situation causes a lot of damage to livestock teats. Even after replacing the rupture liner with a new one, it takes a lot of time for livestock to back to their normal condition.



In which milking parlors can AristoSimpo be used?

AristoSimpo can be used in different types of milking parlors.

In principle, it can also be installed in different types of milking parlors because each machine works as a separate unit.

How many AristoSimpo units can connect to a 27V power supply?

Up to max. 24 ACR units can connect to a standard 27 V/18 A power supply.

Why can you apply the cluster so quickly?

Pressing the remote key closes a contact, which simultaneously starts pulsation/stimulation and vents the cylinder. The piston in the ACR ram moves freely, then the cluster can be applied without any resistance.

With the remote start and when stimulation is set, can you also go straight into milking if no initial stimulation is required?

Yes, by pressing the key for a long time (more than 0.5 seconds), you can skip stimulation and go straight to milking.

Can you shorten or lengthen the times during stimulation?

Yes, by pressing the stimulation key quickly or holding it down for longer.

When is it useful to use time-controlled removal?

When milking several times (more than twice a day), it is useful to use time-controlled removal. This can increase the throughput rate and reduce the total milking time.

Under what conditions can the clusters be made ready for milking by pressing a button?

Central "ready for milking" status can only be achieved with the fold-down CIP or the drawer. This function is not available if Jetter Cups, whole head rinsing for Stimulator or Jetter Plugs are used.

Can other group milking parlors and competitor installations also be fitted with AristoSimpo?

Yes, but you should make sure that the stalling is such that it can be mounted to achieve the correct removal position of the detacher cord and in the right CIP position.

Can the kick-off and milk save options also be fitted later?

These options can also be fitted later, at any time.



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