



manage colostrum



calf hero

/kaf 'hirō/

noun

1. a person, who takes outstanding care of newborn calves
2. technology that ensures that every person can become a calf hero



COLO  QUICK

715.318.0897

www.GoldenCalfCompany.com



THAW OR PASTEURIZE

Colostrum Management System

Managing colostrum is critical to calfhood health. With proper colostrum feeding you can improve the calf morbidity and mortality rates, and increase milk production. Getting all steps done right isn't easy, especially with multiple people responsible for the calving area. That's why we bring you the best colostrum management system in the industry.

Calf Hero unit



- ✓ thaw
- ✓ pasteurize

Calf Hero 12

The newest addition to our family of colostrum pasteurizers has built-in SMART technology. It will text its users to announce that a cycle is complete, ensuring that the next steps of feeding or storing colostrum are taken immediately. Its large capacity of 12 meals is coupled with precise temperature sensors, bilingual instructions and internet connectivity to satisfy the most progressive dairies.

Pasteurize and Thaw (12 cartridges)

1 phase: 208V/50A, 240V/60A or 277V/65A

3 phase: 208V/30A, 240V/35A or 480V/20A

ColoQuick units



- ✓ thaw

Thaw

Thaw Only

(2 cartridges)

Electrical: 240V single phase/30A

Water bath size: 22 gallons



- ✓ thaw
- ✓ pasteurize

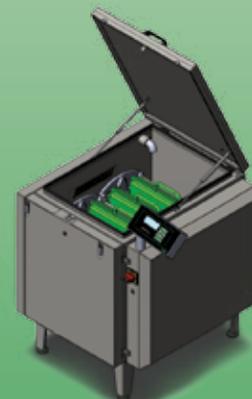
Pasteur 2

Pasteurize and Thaw

(2 cartridges)

Electrical: 240V single phase/30A

Water bath size: 22 gallons



- ✓ thaw
- ✓ pasteurize

MAXX 4

Pasteurize and Thaw

(4 cartridges)

1 phase: 208V/50A or 240V/60A

3 phase: 208V/30A or 240V/40A

Water bath size: 40 gallons



Calf Hero 12



- Home
- Cycle History
- Settings
- English/Spanish
- Help

Easy to Use

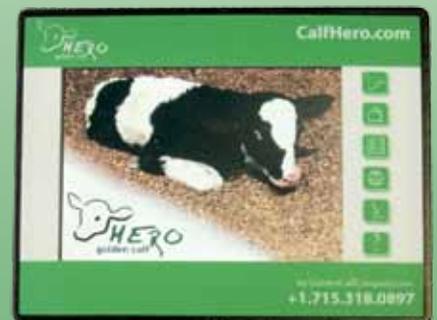
Calf Hero 12's most noticeable feature is its large 6" touch screen with oversized icons, large letters, and the ability to easily switch between English and Spanish. The user experience simply matches today's mobile technology.

Accountability

Password protected user levels improve process control. Managers gain access to history of the pasteurizer cycles, while a calf feeder's access is limited to the daily tasks of pasteurizing and thawing. Eliminates user-caused errors and allows for stricter adherence to the dairy's colostrum management protocols.

Hot Water Assist System

Hot Water Assist System (HWAS) uses hot water already available on dairies. Through an improved design of the Calf Hero 12 holding tank, efficiencies in software, and the ability to use dairy's hot water, we reduced the amount of water and energy needed to pasteurize an individual meal of colostrum.



Capacity & Reliability

Built of parts that were designed to withstand the daily dairy operation, and enclosed in stainless steel, this unit can handle 12 individual colostrum meals. Each Calf Hero 12 is proudly produced in Wisconsin. The combination of multiple temp sensors and the Smart Errors feature, makes the Calf Hero 12 the most reliable colostrum pasteurizer on the market.

Texting & Reminders

Text messaging notifications are available to multiple phone numbers depending on responsibilities. Notifying an employee that a colostrum cycle is complete has never been easier. Optional features include an audible alarm and a visual alarm for end of cycle, so that your newborn calves are always fed on time. This SMART machine, will also remind you when you are running out of supplies.

Smart Errors

Any time a service issue occurs an email/text is sent to the Calf Manager. At the same time a message on the screen informs the on-site user of the problem and of its possible solutions. The Smart Errors function will either walk the user through a simple repair or replacement, or for non-critical errors, temporarily override them to allow the day-to-day operation of the dairy can continue.

system components

Calf Hero Colostrum Management Systems include state of the art:

- Calf Hero 12 or ColoQuick Unit
- Digital Dip Refractometer
- Colostrum Freezer Bank
- Filling Station
- Insulated Feeding Backpack
- Colostrum Cartridges
- Colostrum Bags
- Nipple Feeder
- Calf Tube Feeder
- Brush Cleaning Kit
- Calf Tube Hanger
- Connectors, Hoses, etc.



Digital Refractometer

Quick and easy way to measure the exact quality of colostrum. The digital refractometer can also be used to verify passive transfer of immunity, Blood Serum Total Protein (BSTP), or to test total solids in calf milk.



Frozen Colostrum Bank

Chill colostrum quicker to prevent bacterial growth by moving cold air between cartridges with this high capacity turbo fan freezer. LCD screen displays current temperature. Electrical: 115 V AC / 60 Hz / 15A



Filling Station

This rugged stainless steel filling station is a part of every system. It can be mounted on a wall or stand alone on the floor. Easy to clean. Inside scale indicates volume up to one gallon.



Backpack

Comfortable backpack holds the cartridge during feeding. Made with Thinsulate™ material, it keeps colostrum at the perfect temperature year round.



Cartridge and Bag

Sterile one-gallon bag is kept inside a unique green cartridge, which enables easy freezing, storing, pasteurizing, thawing and feeding.



Calf Tube and Nipple Feeder

Tube feeder handle opens for easy cleaning. Stainless steel is resistant to scuffing protecting the calf. Each system also includes a nipple feeder.



Calf Tube Hanger Brush Cleaning Kit

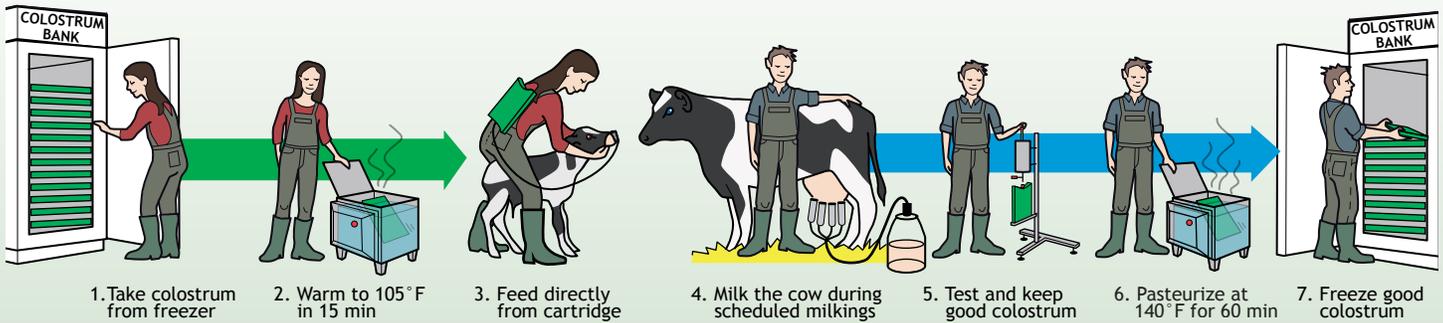
Mounted on a wall or attached to the strap of the backpack, the hanger provides the cleanest method for storing calf tube or brush kit. Long handled brush simplifies cleaning.



work flow



When a calf is born...



pasteurizing stages



Colostrum Activity Log

All of our pasteurizer units are capable of recording data logs to assure safe processing of colostrum and accountability of employees.

History of cycles ran can be easily viewed with a touch of a button on the Calf Hero 12 or even email to a manager. The ColoQuick pasteurizer units are equipped with a USB port that allows you to download activity data logs to a flash drive.

Motion Aided Heat Transfer

The speed with which our units are able to thaw and cool colostrum is due to two factors. One the design of the cartridge, which keeps the colostrum in a thin layer and two the cartridge motion inside the tank, which forces the water over the entire surface of the colostrum bag.

Stage 1: Warm Up

Warming up colostrum to pasteurizing temperature is an important step. It should be quick and use as little energy as possible. The faster we can get through the “danger zone” of rapid bacterial growth, the more effective the pasteurizing stage can be.

Stage 2: Pasteurizing

University research shows, that the optimal time/temperature ratio, which protects the Immunoglobulins, but removes the highest number of bacteria, is 140°F (60°C) for 60 minutes. All of our pasteurizers use multiple high precision sensors to assure that the temperature is reached quickly and maintained properly.

Stage 3: Cooling

Rapid cool down at the end of a pasteurizing cycle is critical to protecting colostrum quality. Both, the Calf Hero 12 and the ColoQuick units feature a cooling system that takes advantage of the thermal properties of water, naturally accelerating the cool down phase.



SUCCESSFUL DAIRIES MANAGE COLOSTRUM

“With ColoQuick, calves gained 19 lbs more in 8 weeks”

“Colostrum has always been important to us, so we had developed a very sophisticated protocol for feeding calves as quickly as possible after birth. When we learned about the ColoQuick we ran a test of its effectiveness. We put calves into two groups, first one was fed colostrum with the ColoQuick system and the other using our protocol. We weighed the calves at birth and at 8 weeks old (1 week after weaning). The calves in the ColoQuick group gained on average 19 lbs more than those fed the other way.”

- Ionel S., Fulton, MI 3,600 cows



“The ColoQuick paid for itself within one year.”

“We get about 90 new calves a month on our dairy. Within a few weeks after implementing the system, I noticed reduced incidences of first week scours in my newborn calves. The calves are doing so well, the ColoQuick paid for itself within a year. I really like the fact that the individual bags are filled prior to pasteurization, that leads to less chance of recontamination.”

- Deric L., Durand, WI 850 cows

“Can’t live without it!”

“Consistency is the biggest thing. Having the ability to easily process the colostrum ensures our newborn calves are getting what they need and getting it sooner than ever before.”

“Purchasing this system was a large step and a major improvement to our protocol.”

- Nate E., Zeeland, MI 345 cows



Call our calf consultants today!

715.318.0897

calf approved



First meal can make all the difference in a calf’s life, make sure you feed it the right way at CalfHero.com



Hygiene is the number one cause of calfhood illness. Prevention starts with equipment CalfGear.com



Protect your calves from cold stress with our line of warm and durable calf jackets CalfWear.com



Every dairy needs to measure their results, explore our line of testing equipment at CalfLab.com