

BARN CURTAIN SYSTEMS

5DOC51000

rev. 07/21

SENECA

DAIRY SYSTEMS



Innovation - Experience - Support

POWERED BY SENECA IRON WORKS

The Backbone of Climate Control



SENECA

DAIRY SYSTEMS



Innovation - Experience - Support

POWERED BY SENECA IRON WORKS

(888) 3-SENECA

3-7 3 6 3 2 2

More Than a Supplier, A PARTNER.

senecadairysystems.com

INNOVATING BARN VENTILATION

Barn curtains are so much more than keeping the elements out or letting air in. A good curtain system is the backbone of your climate control and air quality system. It is important to have a reliable, curtain system that you can depend on and performs like the day it was installed; even years down the road.

Seneca Dairy Systems has designed a curtain system that meets and exceeds all of these high standards, with several different styles for every application and need.



STANDARD FEATURES:

- 15 ounce, poly reinforced, frosty clear curtain fabric with excellent UV resistance and abrasion resistance that outperforms our leading competitor in an independent case study.
- Pipe or strap retention options available
- **NO** pulleys or cables. **EVER.**
- Bird wire and horse panel available to extend the life of the curtain fabric.
- End and drive pockets are pre-drilled, galvanized sheet metal so no drilling is required.
- 90V DC motors (automated systems only) are used for a powerful, compact and reliable system that is Eco-Friendly, consuming less energy.
- Systems are designed and installed by professionals.
- ALL systems are backed with quality Service and Support.



HEAVY-DUTY KEDER

Heavy-duty keder piping comes standard on all curtains for added strength and longevity.



*STRAP
RETENTION*



*PIPE
RETENTION*

STRAP VS. PIPE RETENTION

Choose from heavy-duty 2" dura strap or Galvanized pipe retention.

- STRAP RETENTION

Heavy-duty 2", UV resistant, dura strap is slightly more economical at installation and offers minor adjustability.

- PIPE RETENTION

Galvanized 1.900 steel tubing will last longer and won't stretch or break. It is easier to install and offers a sleek, clean appearance.

NO WOOD? NO PROBLEM!

Give us a call. We will give you an estimate to custom fit our curtains to your steel barn using only steel mounting attachments with NO WOOD!

Customization and retrofitting is No Problem.



DON'T BE CRANKY

Good ventilation and fresh, clean air are paramount to the success of any dairy operation, but even the finest made curtains are only effective if they consistently open and close to changing weather conditions.

Seneca Curtain Automation will automatically adjust your curtains based on differences in temperature inside and outside the barn, as well as wind speed, direction and input from multiple rain sensors. No tiring cranks and no costly labor!



RUGGED 90V DC MOTORS

Seneca is changing the way farmers think about barn curtains. We've perfected barn curtain operation through the use of heavy duty, lightweight extruded aluminum keder tube, coupled with our unique 90v DC motors. This powerful combination delivers the high torque needed to open and close a 400 foot curtain run in one smooth and even motion.



MANUAL POWERED CONTROL

Meet the M-4. This manual curtain controller can operate up to 4 motors. You can have one M-4 for each pocket or split between multiple pockets. (cannot exceed a total of 4 motors)

The M-4 plugs into a regular 120v AC outlet and boasts a 90v DC output. It will control Seneca's powerful 90v motors with ease, and is the perfect option if you are looking for manual operation without resorting to hand cranks.



TC-4 TEMPERATURE CONTROLLER

The new Seneca TC-4 Automated Temperature Controller is a freestanding, independent unit that collects its own weather logic. The TC-4 processes the logic and adjusts the curtains at that location, independently from other locations. These independent actions give you full AREA CONTROL over your system.

One TC-4 can control up to eight motors, each one or all curtains to open and close to keep perfect temperature balance.

As a KEY component in barn ventilation, the Seneca TC-4 will transform your barn curtain walls. With a large water-resistant touch screen, the TC-4 is easy to set up and troubleshoot. Sit back and relax while the curtains automatically adjust to optimize cow comfort and safety in the barn.

Wind direction and speed can be measured by a wind anemometer and sent to the TC-4. Adding a rain sensor will also report the presence of precipitation to the TC-4, which will measure and calculate the data to determine whether or not the curtain needs to be closed on one side of the barn or another due to blowing rain. The TC-4 also has a Bedding Saver feature which will close button curtains whenever wind gusts threaten to blow bedding out of the stalls.

Since the motor has limited switches the TC-4 will continue to operate the curtains even in an encoder failure. There will be an error reported on the screen. The curtains will simply revert to a timed move and use the limit switches.

The new Seneca TC-4 is the Temperature Controller of the future!



Optional Rain Sensors



Wind Anemometer

MC-10 MASTER CONTROLLER

The MC-10 Master Controller will allow you to monitor and control all the TC-4s in your barn from one centralized location. When placed near an entrance door, the Seneca MC-10 will save you time and hassle checking or manually adjusting your curtains at every pocket. In addition, the MC-10 can monitor wind direction and speed, as well as global rain-sensing. The sleek color touchscreen makes data entry a breeze! It displays live data related to your curtain settings and the surrounding environment. Also, the newest feature of the MC-10 gives you dual ventilation control for fans & curtains.



BARN CURTAIN SYSTEMS

Single and Double Roll Up

SINGLE ROLL UP CURTAINS *(Single Web)*

The Single Roll Up Curtain is a single curtain that spans the height of your barn opening. It rolls up and down from the top and is the perfect choice for summer ventilation and closing off space in the winter.

The Single Roll Up Curtain is also an efficient and economic choice for smaller openings, such as gables and ridge vent curtains.

Every Single Roll Up Curtain comes standard with our 15 ounce, poly reinforced, frosty clear curtain fabric.

Features and Uses

- Economical choice with great benefit and control of barn temperature.
- Keder strip fastened for even weight distribution across the length of the barn.
- Choice of manual or automated operation.
- Perfect choice for smaller openings such as gables and ridge vents.



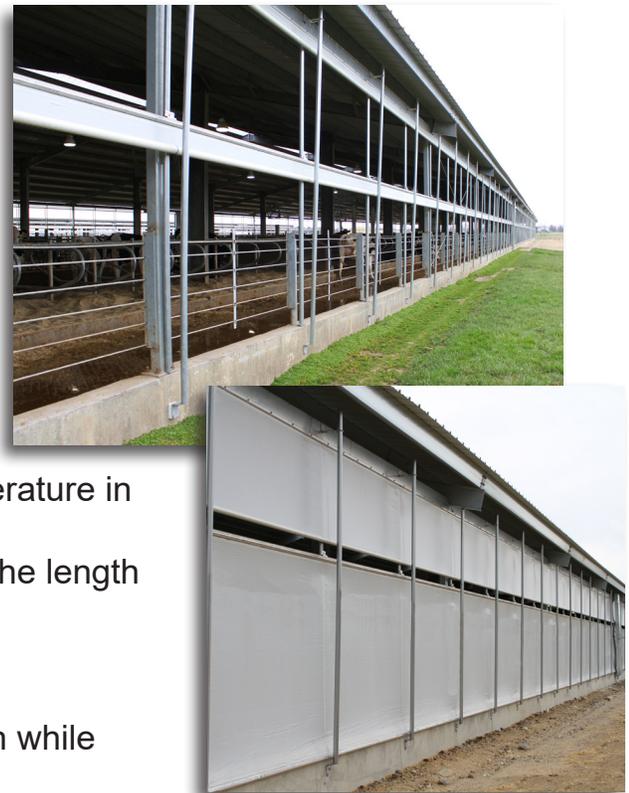
DOUBLE ROLL UP CURTAINS *(Double Web)*

As one of our more popular curtain systems, the Double Rollup system consists of two curtains spanning the height of the barn opening, allowing for true center and bottom ventilation and is perfect for multi-season climates.

Every Double Rollup Curtain comes standard with our 15 ounce, poly reinforced, frosty clear curtain fabric with heavy-duty keder.

Features and Uses

- Superior choice which allows more control of barn temperature in varying climates.
- Keder strip fastened for even weight distribution across the length of the barn.
- Offers both center and bottom ventilation.
- Choice of manual or automated operation.
- Perfect for allowing air into the center and top of the barn while leaving the lower portion closed in cooler months.



TOP DROP SINGLE ROLL UP SYSTEM

Also called the Top Drop Bottom Rollup, the Top Drop Single Rollup system is specially designed for 8 foot or smaller openings that require top ventilation.

Features and Uses

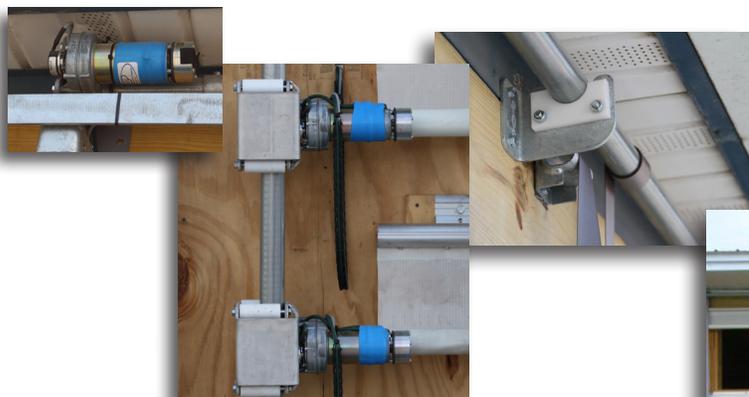
- Single curtain with Top Drop system to let fresh air in during colder winter months.
- Bottom rollup for summer ventilation.



TOP DROP DOUBLE ROLL UP SYSTEM

Our unique Top Drop system is the perfect way to get fresh air into your barn in the winter months. Drop the top as much or as little as you need to keep fresh air circulating.

Three motors (or hand cranks in manual models) control two curtains allowing for true top, center and bottom ventilation.



Features and Uses

- Ideal for winter ventilation.
- Brings fresh air in and over the cows.
- Smart design with Cow Comfort in mind.



GABLE CURTAINS

Gable curtains can be installed on the ends of your barn to offer end-to-end ventilation without opening doors. The Single Rollup curtain is the most commonly used system on gable curtains primarily due to the small opening size and economic value the Single Rollup offers.



RIDGE CURTAINS

Install a Seneca curtain system on your ridge vent and instantly gain more control of your barn ventilation. Automate the ridge vent curtains with a Seneca TC-3 and open or close the ridge vent automatically, based on inside and outside temperature, as well as weather conditions such as rain.



PARLOR CURTAINS

Parlor Curtains are designed to keep your parlor isolated from your holding area during non-operational hours. All Seneca Parlor Curtains are custom designed to fit your application and made to order. Our parlor curtains are designed to keep your openings clear when fully retracted during operational hours.