

Take Control of Your Backing Gate!



McCONNELL

Guardian backing gate controllers automatically limit backing gate movements to preset time values.

More frequent short backing gate movements, allow time for the pressure applied to cows near the backing gate to move through to the front of the herd, before the next gate movement. Cow flow from the yard is improved by regular pressure waves through the herd and reduced variation in backing gate operation between staff.

The frustration and cost of accidentally over crowding cows (a possible contributor to lameness) and leaving your backing gate running over night, can be a thing of the past.

Available for electric or water powered gate drives in herringbone or rotary milking sheds.

McCONNELL

Guardian Backing Gate Controller

- Improving cow flow
- Reducing operator error
- Freeing staff for other jobs

McCONNEL Guardian backing gate controllers provide these benefits:



Performance

- Prevents accidental over crowding of your cows.
- Promotes better flow of cows into the shed.

Proven design

- This is a very cost effective off the shelf solution that works.

Versatile

- Suitable for water or electric powered gate drives and rotary or herringbone sheds.

Easy to use

- Simple controls are easy to understand and adjust.
- “Auto” mode for milking.
- “Man” mode for supervised operation.
- Operator panel gives basic error messages if something is wrong.



Safety

- Setting timers, speed and overload detection as well as resetting errors can be done from the operator panel.
- Built in motor protection and adjustable torque limiting function on electric gate drive controllers.
- Audible and visual warnings when the gate is in motion.

Reliability

- Only proven high quality components are used for on farm reliability.

Package includes:

240v control box, 24v operator panel, pull or trip switch and mounting kit.

Economic to install

- No need for limit switches keeps installation costs to a minimum. Built in facility for limit switch connection keeps cost down when end of travel limit switches are required.
- Supplied with kit for mounting control box and pull or trip switch to pipe work without welding.

Applications

Guardian backing gate controllers can be used in all common milking shed layouts with circular holding yards. Rotary or Herringbone, water or electric powered backing gates and one or two gates in the holding yard.

In herringbone sheds, the milker initiates backing gate movement by pulling a cord attached to the pull switch. Rotary sheds have the switch tripped by the rotating platform (about every 10 bails) to bring the backing gate forward automatically. The milker can also start and stop the backing gate from the operator panel when needed.

Water is usually supplied to water powered backing gates through a single wash water feed. The controller starts and stops the flow of water via a solenoid valve or wash pump starter. Forward or reverse motion can be set by manual valves on the gate drive.

Electric powered backing gates require an electric feed to each gate but can be reversed directly from the controller.