

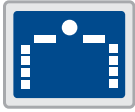
# CONTROL PANELS



**MUELLER**<sup>®</sup>  
THE MILK COOLING SYSTEMS SPECIALISTS<sup>™</sup>

# MUELLER® CONTROL PANELS

## *Manage Your Milk Cooling System with Ease!*



Mueller® control panels help you ensure the quality of your milk by managing the essential blending, cooling, and cleaning functions of your cooler with a range of features to allow you to select the level of control that's right for your business.

Sentry® III is the industry's most advanced control system. It can be programmed for any milking schedule with exact cycle lengths for cooling, precooling, agitation, and cleaning. Flashing indicator lamps show the current refrigeration or washing cycle and a digital readout allows easy temperature monitoring.



HiPerForm® II is designed to retrofit almost any refrigeration and cleaning control on the market with its ability to utilize a multitude of control voltages through dry switch closure outputs and wash and cooling cycle programmability. HiPerForm II also works with robotic milking machines for remote start of cooling and wash functions.

Mueller provides a choice of either a standard water works box (WWB) or a high-volume water works box (HVWWB).

Paul Mueller Company designs and manufactures both of these units to provide adequate capacity chemical jars and to operate with varying water fill rates.



## *HiPerForm® II Control Panel Features and Benefits*

- **Quality assured.** Complies with CSA regulations.
- **Programmable logic controls (PLC).** Customization of cooling, agitation, and washing functions to your milk cooling schedule; ability to change cycles at the push of a button; reliable industrial design.
- **LED indicators.** Easy monitoring of cooling, precooling, agitation, and cleaning; reduces the chance of losing milk due to unsafe temperatures.
- **Programmable for Auto-Dosing/Water Works/Mueller Matic®.** Accurate dispensing of all chemicals including detergent, acid, and sanitizer.
- **Time-delayed refrigeration cycles.** Better refrigeration control and energy efficiency during first milking.
- **Choice of rinse and acid temperatures.** Customize the cycles to fit your needs (electric drain only).
- **Variable agitation cycles.** Selection to fit your schedule and cooler size.
- **Precool and pre-agitate cycles.** Precools or pre-agitates milk in tank for faster, more efficient cooling during 2nd, 3rd, or 4th milkings; creates lower blend temps.
- **Wash, sanitize, and acid options.** Allows you to choose the functions needed.
- **Watertight cabinet (NEMA 4X).** Increased safety and reliability during washdowns.
- **Industrial-grade components.** Withstands rigors of dairy use.
- **Robot control.** Remote start cooling or wash controls from robotic milking machine. Includes complete wash signal.
- **Low-voltage or dry switch controls.** 24 VAC control circuits for safe operation, or dry switch closure to retrofit existing high voltage controls.
- **Retrofittable/programmable.** For water-operated drain valves or normally open/closed electric drain valves.

## Sentry® III Control Panel Features and Benefits

- **Quality assured.** Complies with CE and CSA regulations.
- **Programmable logic controls (PLC).** Customization of cooling, agitation, and washing functions to your milk cooling schedule; ability to change cycles at the push of a button; reliable industrial design.
- **Flashing indicator/temperature alarm lamps.** Easy monitoring of cooling, precooling, agitation, and cleaning; reduces the chance of losing milk due to unsafe temperatures.
- **Auto dosing for chemicals (tank-mounted option).** Saves time and improves accuracy of measurements.
- **Digital time controls.** Accurate dispensing of all chemicals including detergent, acid, and sanitizer.
- **Time-delayed refrigeration cycles.** Better refrigeration control and energy efficiency during first milking.
- **Choice of rinse and acid temperatures.** Customize the cycles to fit your needs.
- **Precool and pre-agitate cycles.** Precools or pre-agitates milk in tank for faster, more efficient cooling during 2nd, 3rd, or 4th milkings; creates lower blend temperatures.
- **Variable agitation cycles.** Selection to fit your schedule and cooler size.
- **Wash, sanitize, and acid options.** Allows you to choose the functions needed.
- **Watertight cabinet (NEMA 4X).** Increased safety and reliability during washdowns.
- **Industrial-grade components.** Withstands rigors of dairy use.
- **Manual override switch.** Can bypass electrical controls in an emergency situation.
- **Low-voltage controls.** 24 VAC control circuits for safe operation.
- **Retrofittable/programmable.** For water-operated drain valves or normally open or normally closed electric drain valves.

### Additional Features of the Front-Mount Sentry III

- **Auto dosing of chemicals dispensed on suction side of pump.** Air gap eliminates chance of city or well water contamination.
- **Chemical pumps work against atmospheric pressure.** Eliminates risks associated with chemical dispensing in high pressure side.
- **Prewired controls and pump installed.** Reduces installation costs.
- **Electrical component protection.** All exposed components are wash-down duty with a stainless steel shroud to further protect electrical enclosure.





Visit our Web site  
at [www.muel.com](http://www.muel.com)  
to see all of our  
**COOL** products!

**MUELLER**<sup>®</sup>

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