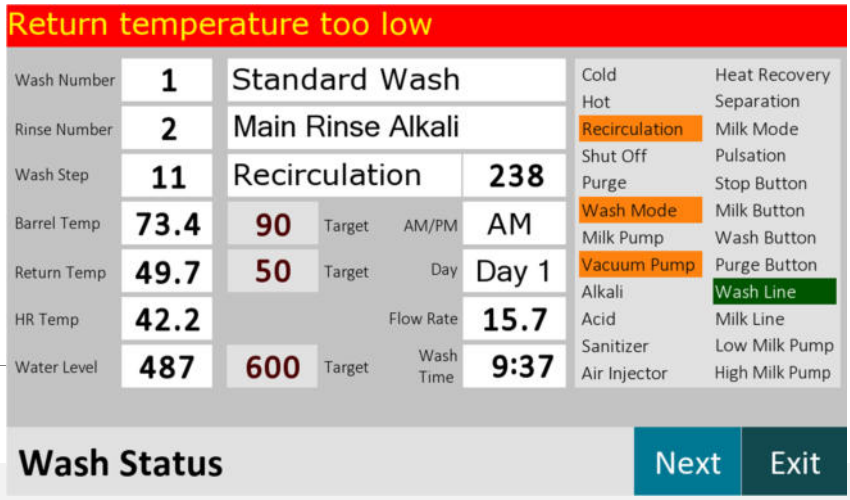
DairyCIP Commercial Wash Controller

DairyCIP Commercial

- Designed for reliability
- 10” Resistive Touch screen NEMA4/IP65
- AM / PM washing or 3 washes per day
- 5 WashPlans
- 10 RinsePlans
- Industrial Pressure sensor for wash barrel level
- Fill to Temperature
- Return Temperature
- Error Log
- Pause function.
- Heat Recovery / Solar water option
- Water Separation option
- Plate Heat Exchanger Control
- Stainless Steel enclosure 600H x 400W x 200D
- Individual 10Amp relay outputs
- Water Flow Rate (New)
- Last Wash Status information (New)
- Optional DiaryCIP computer program (New)
- Optional Vacuum level display (New)
- Optional Plate Heat Exchange and Milk Pressure Monitor add on. (New)
- Optional Alarm for faults. (New)

Wash Status screen



Features

Dual power supplies to isolate 24Vdc outputs from PLC voltage

Controller
Military grade CPU
3 temperature inputs
Pressure sensor input
16 inputs
16 outputs

Manual override buttons,
Vacuum, Wash, Shut-Off, Recirculation Hot, Cold, Alkali

All Outputs use individual external replaceable Relays, 10 Amp

Industrial pressure sensor for water level

Possible washing steps

Step No	Description	Type
0	Standby	Individual rinse setting
1	Filling Hot and Cold	
2	Filling Hot	
3	Filling Cold	
4	Filling HR	
5	Preheating	
6	Dosing Alkali	
7	Dosing Acid	
8	Dosing Sanitizer	
9	Not used	
10	Additional water	
11	Recirculation	
12	Emptying	
13	Separation time (Occurs within the Emptying time)	
14	Post Empty Time	Global setting
15	Pumping time	
16	Purging time	
20	Paused	

Add On Modules for DairyCIP DairyCIP Sensor Network

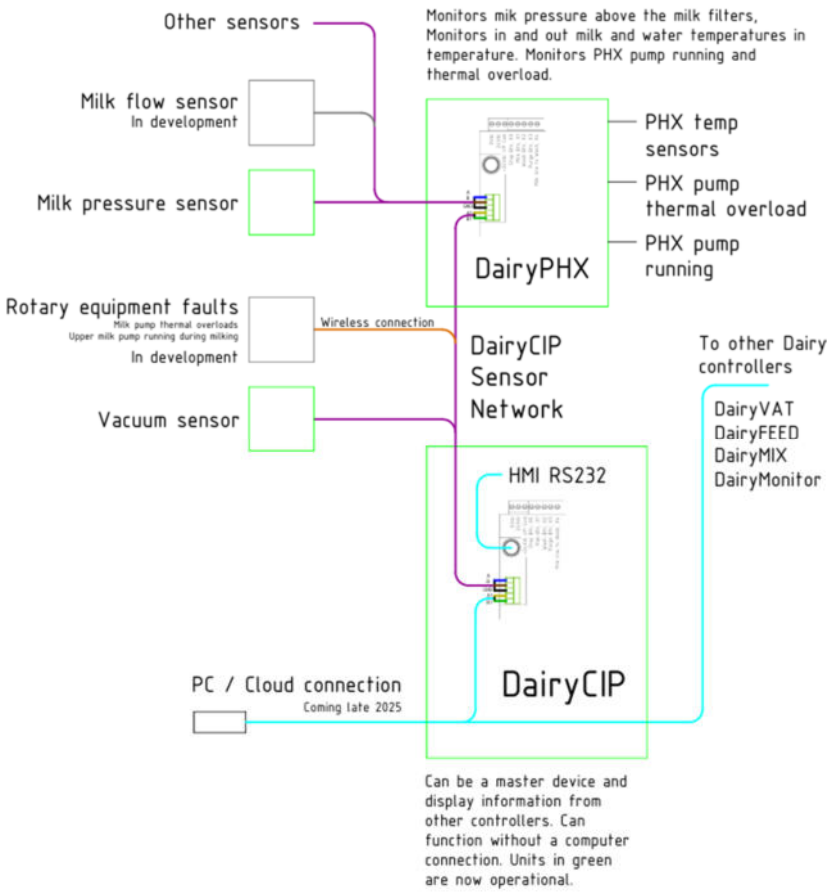
Add on modules connect directly to the DairyCIP controller. Status and faults are displayed and logged on the DairyCIP controller. No computer connection is required.

Digital Vacuum sensor

Add on to display vacuum level on DairyCIP. Connected via cable. No battery's required.

Rotary Platform status (In development)

Add on to display rotary faults: Milk pump thermal overload faults, Upper milk pump running during milking fault. Connection made via wireless connection
Also suitable for Herringbone dairy's.



DairyPHX

External controller that connects to DairyCIP and monitors:

- Milk in and temperatures
- Milk out temperature
- Water in temperature
- PHX pump run signal
- PHX pump thermal overload
- Optional sensor: Milk pressure
- Optional sensor: Milk flow (accumulating amount, In development)

Values and faults are displayed on DairyCIP.
The milk pressure sensor is used to indicate when filters need replacing which can vary winter to summer depending environmental conditions. At a chosen pressure setting an alert is displayed on the DairyCIP controller when the pressure is exceeded.

Chemical measurement (in development)

A unit is undergoing testing on farm.

DairyConnect Network (Coming late 2025)

The DairyCIP PC connection logs performance and faults. It will also enables technicians to log on remotely and diagnose issues such as water heating faults, identify water flow issues, update settings, etc.
It requires a computer to be at or near the dairy.