



BULK SYSTEMS

Integrating Plastic Technologies Since 1965

Railcar Unloading Control

Automatically Optimizes Your System

The Hamilton Plastic Systems new smart railcar unloading control integrates control function for multiple railcar unloading systems, airlocks, directional valves, silo monitoring all into a single touchscreen display.

With a push of a button, Hamilton's railcar system will automatically calibrate, and re-calibrate to an ever changing system, making sure that you are running at peak efficiency which will reduce labor costs and decrease unloading times.

The Intuitive display allows authorized users to dynamically view and manage the entire process and make necessary changes on the fly. With it's built in VNC viewer available, the control over your processes has never been more accessible.

Fully compatible with Hamilton's existing railcar unloading control systems and Meridian 4 control panel, the new smart railcar unloading control keeps Hamilton's promise of improving your processes while keeping it affordable.



Features & Benefits

- Graphical feedback of system set-up and performance lets you know your system's status at a glance.
- High Definition touch-screen display.
- Built in VNC server allows remote hosting of the HMI (requires network connection).
- Sensors in the system work to prevent no material conveying and plugs in the line.
- Pump oil change and filter change alarms.
- Smart control will dynamically change the amount of material in the system to maximize throughput.
- Communicates with the system pumps for errors and status reporting.

Remote Access Via Web Pages

High resolution touch-screen display can be connected via Ethernet to be viewed or controlled from any PC, anywhere, anytime.

System Flexibility

With Ethernet connectivity, wiring becomes an ease. Integrate existing equipment, or add equipment later, one control is powerful enough to handle even the most complex situations.

Real-Time Status Analysis

Know the status of the system at a glance. Real-time information is displayed on the control shows the efficiency of the system and allows for easy troubleshooting.

Economical & Expandable:

Hamilton's dynamic Railcar control can continuously improve and grow with your facility.





Bulk Systems - Railcar Unloading



1 - Vacuum Pump

Soft Starter can reduce electrical costs and prolong equipment lifetimes.

Wiring is greatly reduced with the ability to use network hubs for multiple equipment.

3 - Filter Receiver and Airlock

Airlock with VFD control is available for maximum control.

Sensors throughout the system allow for the control to make decisions about how best to keep equilibrium, increasing throughputs and reducing strain on the system.

4 - Silo Level Control

Communication between the silo level control and railcar unloading control allows for automatic shutdown of the system and quicker silo changes.

5 - Diverter Valves

Coordinate with up to 16 diverter valves across multiple fill lines. Hamilton's Railcar Unloading System lets you customize them.

Control Performance

Silos	Up to 36
Pumps	Up to 8 Vacuum & 8 Pressure
Airlocks	Up to 8
Diverter Valves	Up to 16
Control Voltage	120V AC
Data	24V DC or Ethernet

