Autoclave Control Systems

Control Systems that Put You in Charge

The efficiency of an autoclaving process depends on the quality of its control system. McGill AirPressure systems are designed for a range of process requirements. They provide precise control of all autoclave functions.

Our control system integrates a programmable logic controller (PLC), a data acquisition system, graphical user interface software, and a custom-built Microsoft® Windows-compatible PC to control and monitor a complete autoclave system. This state-of-the-art integrated control system provides operators with a user-friendly environment, computerized cycle control, and full-function, programmable machine control.

Our control system for small bonding autoclaves and most non-bonding applications is microprocessor-based. This system uses ramp/soak proportional integral derivative (PID) controllers to regulate temperature, pressure, and vacuum. It includes a digital controller/programmer, chart recorder, high temperature limit controller, and temperature and pressure digital displays including push buttons and pilot lights.

Control System Retrofit

To give you the same precise control and powerful data acquisition capabilities available with new autoclave sytems, we can add a McGill control system to your existing autoclave system.

Whether you plan to purchase a new autoclave or upgrade an existing one, we will work with you at every stage of the project.

Our high-quality, industrial-grade components provide reliable operation and enable our technicians to locate and solve problems quickly.
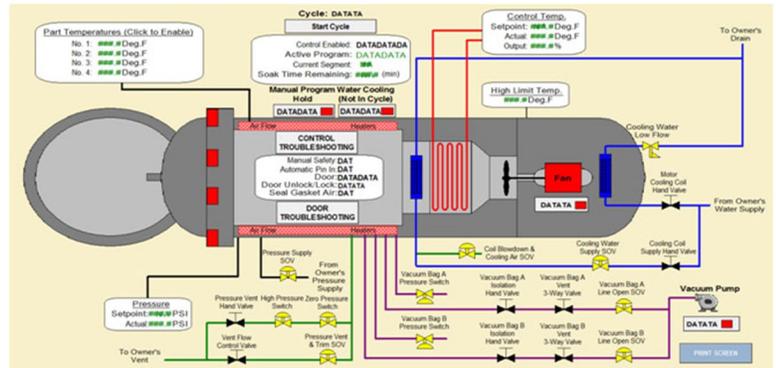
McGill AirPressure's control systems provide a user-friendly environment, computerized cycle control, and full-function,programmable machine control.
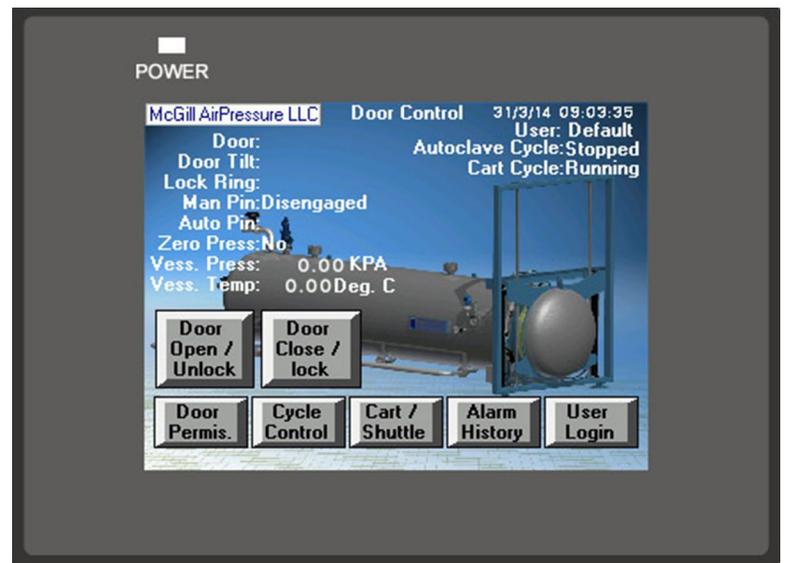
Easy to read, logical control screens give the operator complete control over all autoclave functions.