

Event List

Supervisor enables area.
 Supervisor disables area.
 Supervisor sets new pH level.
 Operator turns line on.
 Operator turns line off.
 Operator sets new bottle size.
 Operator removes bottle.
 Bottle drops into place.
 Bottle becomes full.
 pH moves out of limits.
 pH moves within limits.

The two operators can signal the system to start and stop individual lines, and supervisor can signal the system to start or stop overall operation of the system. For a line to start operation from stopped status, both the area enable line start signals are necessary; in addition, the bottle contact must be off and scale platform reading must be less than 0.1 gram. The line operators are in charge of the line status (on/off) and current bottle size, and are able to change the size for the line. The area supervisor is given a display of the current status of system pH and vat levels and statuses of the individual lines, and is able to change pH of the bottled liquid by entering a new pH to be maintained.

If, during operation of the system, the pH goes out of limits (>0.2 from setpoint) all control actions are suspended. The vat pH is then monitored again. When the pH is back within limits, the system restarts automatically.