

DESIGN. BUILD. **GROW.**

SLUICE GATES

Amlok® locks the cylinder rod and holds the gate position

Tomatoes are flumed into processing area and volume is controlled by a gate mechanism. The gate mechanism is controlled by a PLC and positioned by an air cylinder with a position feedback device.

CHALLENGES

MAINTAIN CORRECT GATE POSITION

Customer experienced problems maintaining correct gate position due to constantly changing volume of tomatoes and water pressure in the flume causing the cylinder controller to constantly hunt for the correct position.

SOLUTION

The solution was to add an RCN Amlok® to the cylinder (see photo). Now when the cylinder positions the gate the Amlok® locks the cylinder rod and holds the gate position, even if there is a power failure or loss of pneumatic pressure until the controller calls for a new position.



Amlok® RCN Pneumatic Rod Lock Application

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