



CONTROL SCREW

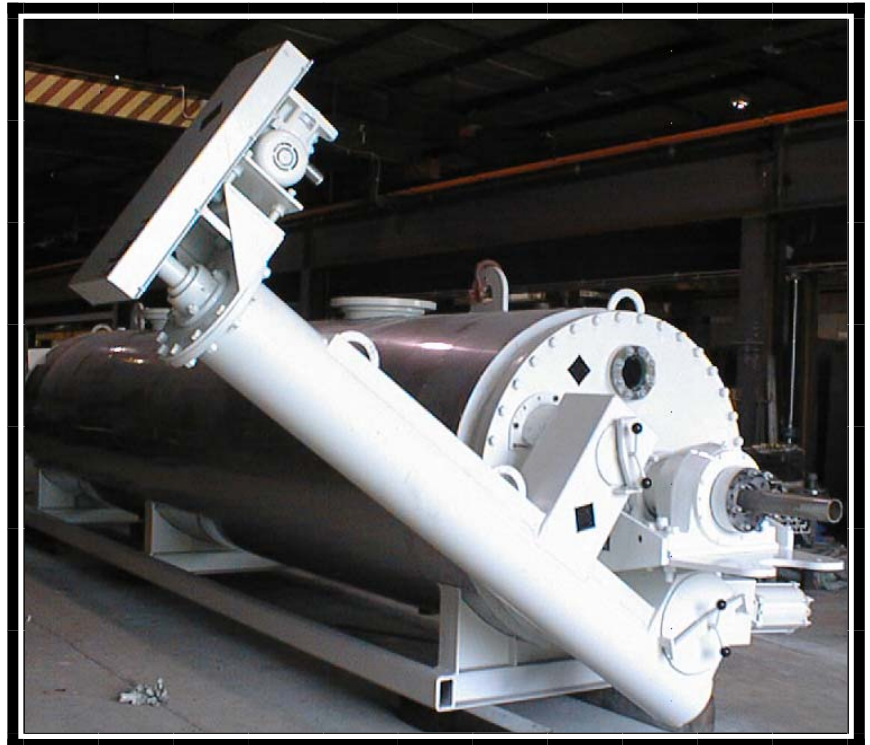
- ◆ Improve Efficiency
- ◆ Increase Capacity
- ◆ Positive Discharge

Improve Efficiency, Simplify Dip-down

The key to *top production and top quality* is in Cooker feed and discharge. By their very design, traditional Continuous Cookers can not assure First-in First-out throughput and the traditional Control Wheel simply adds to the problem. In contrast, use of the Control Screw sometimes referred to as a “scissors screw” provides positive discharge coupled with the ability to discharge a more homogeneous product while easily maintaining cooker level.

Installed with the Discharge Tube Screw are two manually operated knife gate valves. The adjustment of these valves permits the *tuning of cooker* discharge to provide both the correct discharge rate and the proper blend of liquid and solids.

Add to this the variable speed drive used to power the auger, and your operators have the flexibility they need to maximize throughput as well as the ability to quickly and easily empty the cooker.



Shown here with the “easy access” doors removed, the discharge tube screw or control screw is top driven by A.C., D.C. or mechanically variable drive.

Designed for Flexibility

The Alloy Discharge Tube Screw has the *flexibility* to integrate into your operation regardless of your preference for manual or automatic operation. The standard knife gate valves, which are standard manually adjusted, can be automated with Hydraulic or Pneumatic operators and can be adjusted automatically based on temperature, level, or both.

Built to Take It

Constructed of *Heavy Wall Carbon Steel Tubing and Close Tolerance Sectional Augers*, the Alloy Discharge Control Screw is built to provide years of steady and reliable service. Alloy employs major brand drive components with “off the shelf” local parts availability.

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