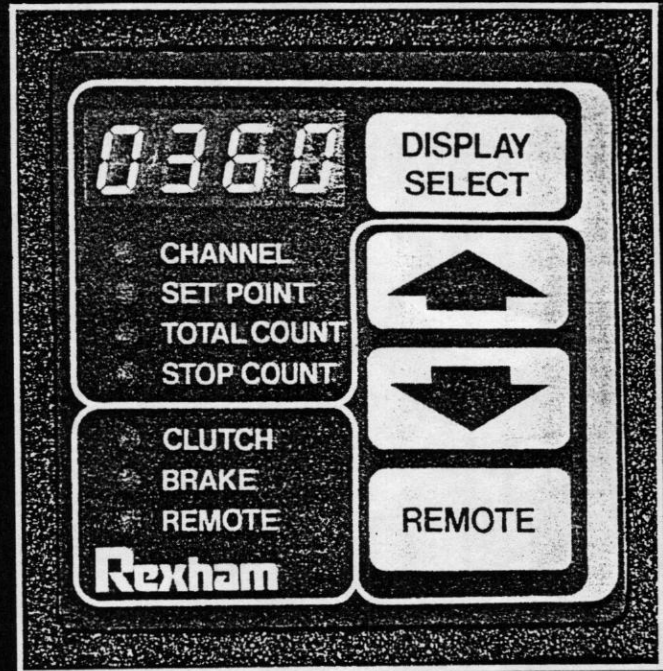
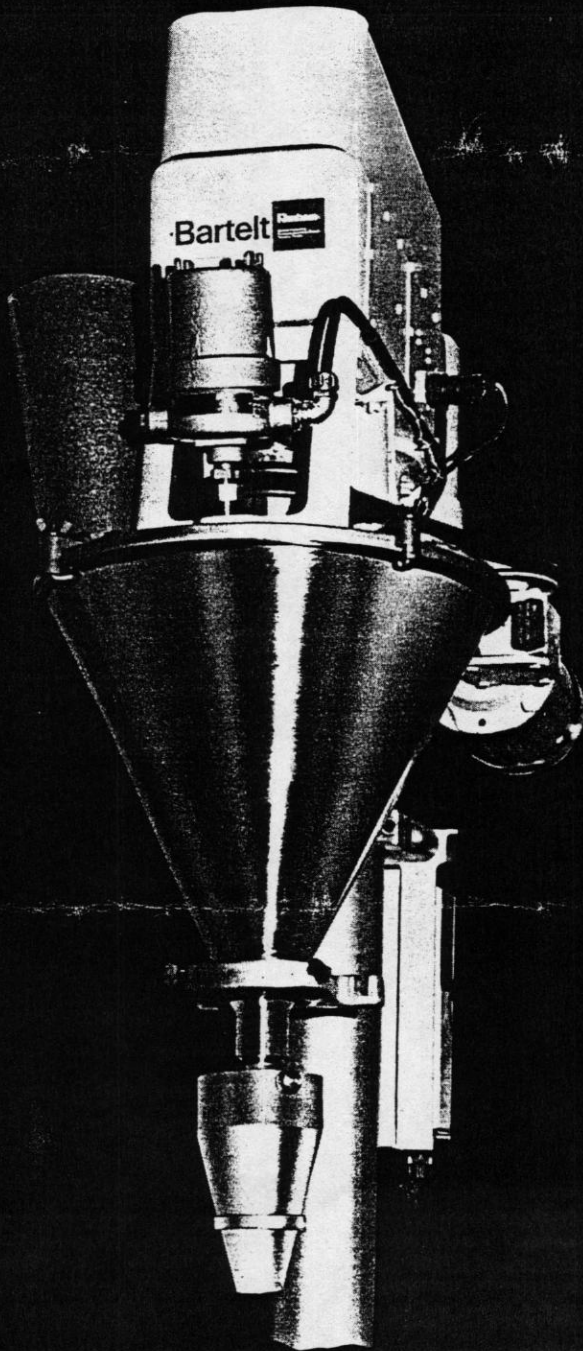




BARTELTTM COMPUFILL

Microprocessor Controlled Filler



Features and Benefits:

- Precise digital measurement and control of auger rotation
- Microprocessor control adjusts and maintains accurate fill weight
- Fast keyboard product set up with memory and recall
- Automatic feedback control from customer's checkweigher
- Repeatable, reliable mechanical operation with 90 volt DC clutch/brake.



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Bartelt Compufill

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Bartelt Machinery Division, Rexham Corporation • 5501 N. Washington Boulevard, Sarasota, FL 34238 (941) 555-1111 FAX 941-555-0410

The Bartelt Compufill is a microprocessor controlled auger filler that obtains exceptionally close fill weight tolerances by measuring and controlling the actual rotation of the auger rather than measuring "fill time". Time based fillers can be subject to fill weight variations due to clutch/brake wear, auger "coast" or slip, voltage or air pressure variations and other factors. The Bartelt Compufill eliminates these error causing variables by directly measuring the rotation of the auger with a precise digital sensor, maintaining excellent product fill accuracies.

Operation:

To establish the target count at the beginning of a Compufill cycle, the operator will enter a digital value for the Compufill setpoint (A), or select one of six predetermined target values from the Compufill memory. When the fill cycle is initiated, the Compufill filler generates a continuous, digital pulse stream input from its magnetic sensor (B) to the Compufill microprocessor (C). The microprocessor controls an internal power supply that engages the brake (D) and instantly stops the auger rotation when the selected number of pulses has been counted. Since the microprocessor senses only the auger rotation, weight errors caused by variations in the clutch engagement time are eliminated at the start of a fill cycle. Excess product amounts caused by slippage of the brake at the end of the cycle are

compensated for by measuring any auger rotation after the stop signal and adjusting the target count next cycle to maintain precise fill weight control.

The microprocessor remembers the rotation count from clutch disengagement to actual auger stop and adjusts the desired count automatically to the target setpoint. The combination of the digital counter and special microprocessor control unit produces excellent mechanical repeatability from cycle to cycle. 90 volt, DC activation of the clutch and brake ensure instantaneous clutch/brake operation. With constant product density, the Bartelt Compufill can consistently deliver product fills within +/- 1/2% of target weight on many products.

When incorporated into a system with a checkweigher, the Compufill can become part of a closed-loop weight control system. By directly responding to signals generated by a checkweigher the Compufill can automatically adjust set points to stay within certain pre-established limits.

Accessories:

Insulated hopper
Slow-speed agitation
High-speed agitation
Level control

Options:

Restrictor tooling
Spinner tooling
Moyno tooling
Drip-free cutoff

Specifications:

Auger drive motor:

725 rpm, 60 cycle
1440 rpm, 50 cycle

Clutch and brake: 90 volts D.C.

Three-step, drive-pulley output
425, 675, 925. Combination
aluminum and stainless-steel
parts for easy cleanup and
sanitation.

Note: Bartelt also makes a full
line of standard time-controlled
and cam-controlled fillers. For
more information ask your Bartelt
representative.

Floor Space: 2 feet by 3 feet (.6m
by .9m) on standard base. None
when machine mounted.

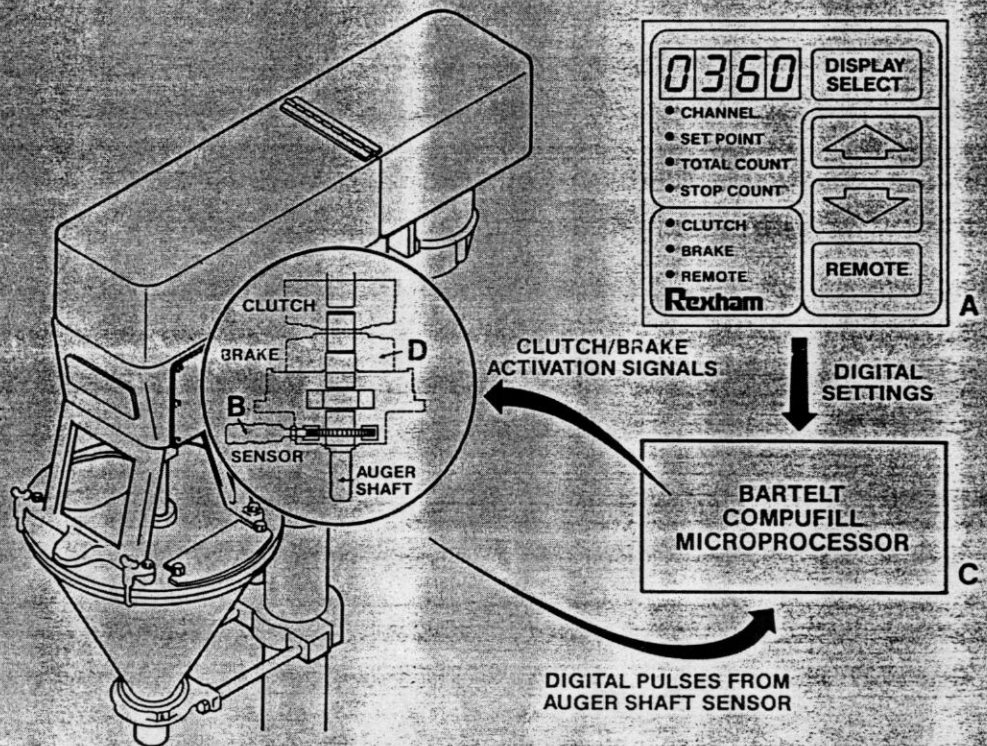
Height: Adjustable on aluminum
column — 4½" (11 cm) diameter
— Approximately 6' (1.8m) high.

Shipping Weights: Crated
shipping weight approximately
800 pounds (360 kg.).

Cubic Dimensions:

Approximately 36" x 72" x 80"
(92x181x250cm).

Products Handled: List varies



Bartelt Compufill Microprocessor Control receives digital settings from keyboard or memory and uses digital signals from auger shaft sensor to precisely control clutch/brake activation for precise weight control.