AccuFeed™

COMPOSITE SCREW FEEDERS

Vibra Screw® Inc.

FEEDING DRY BULK MATERIALS MORE EFFICIENTLY

AccuFeed™ Screw Feeders offer significantly reduced cost and off-the-shelf delivery in a design that delivers unsurpassed feed accuracy and dependability.

These patented high technology feeders are constructed from composite materials in molded components for extreme strength and durability. Contact parts are polyethylene and stainless steel for excellent chemical resistance.

MODULAR, VERSATILE DESIGN

You can expect accuracies of ±1-2% whether you feed pellets, flakes, powders or fibers. Free-flowing or tough-to-handle materials are all within the capabilities of AccuFeed™. This new feeder utilizes Vibra Screw's proven modular design, enabling a single unit to adapt to the broadest range of feeding applications. The base feeder features a static hopper, trough and feed screw for free flowing materials. A secondary trough-conditioning screw can be used for difficult materials, or Vibra Screw's controlled vibration design can be used for even tougher-to-handle materials. The AccuFeed™ permits selection of the most economical design for an initial application and offers the ability to upgrade the design as materials or characteristics change.

EASY-TO-MAINTAIN, SANITARY COMPLIANT

The molded components allow you to quickly disassemble the feeder without tools – a cleaning must for sanitary applications or where frequent changes of the feed material are common. This capability is available in other feeders at extra cost; with AccuFeed™, quick disassembly is standard. AccuFeed™ meets FDA and USDA requirements.

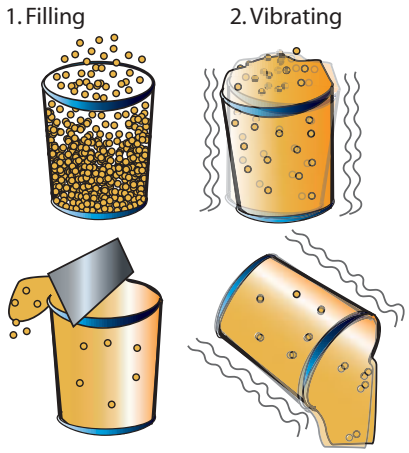
AccuFeed™ is available in interchangeable 1/2 to 6 inch screw sizes for feed rates up to 600 cubic feet per hour.

LOSS-IN-WEIGHT COMPATIBILITY

With unit weight significantly less than all-metal units, AccuFeed™ composite screw feeders are suited to loss-in-weight feed applications where reduced tare weight means greater system resolution and higher feed accuracy.

TO FILL A VOLUME

The principle of volumetric feeding with controlled vibration can be compared with the repetitive filling and emptying of cups.



The most accurate filling occurs when the cup is filled with material, vibrated to obtain uniform density and the excess struck off.

On emptying, shaking or vibrating the cup likewise ensures complete release of material. In the vibrating screw feeder, the same process occurs when material fills the screw flights in the trough area, is vibrated to a uniform density and struck off as it enters the metering tube.

Vibration of the metering tube and screw ensures complete release of material from the screw flights at the discharge end. In both cases, successive weighing of material samples will show accuracies in the range of ±1%. If the cup or screw is not vibrated, accuracies and repeatability will not be as consistent.

GUARANTEED

The Vibra Screw Guarantee
No time limits. No conditions.

If your Vibra Screw equipment doesn't perform in the service for which it was sold we'll refund your money.

Ask any other equipment manufacturer to put that in writing.

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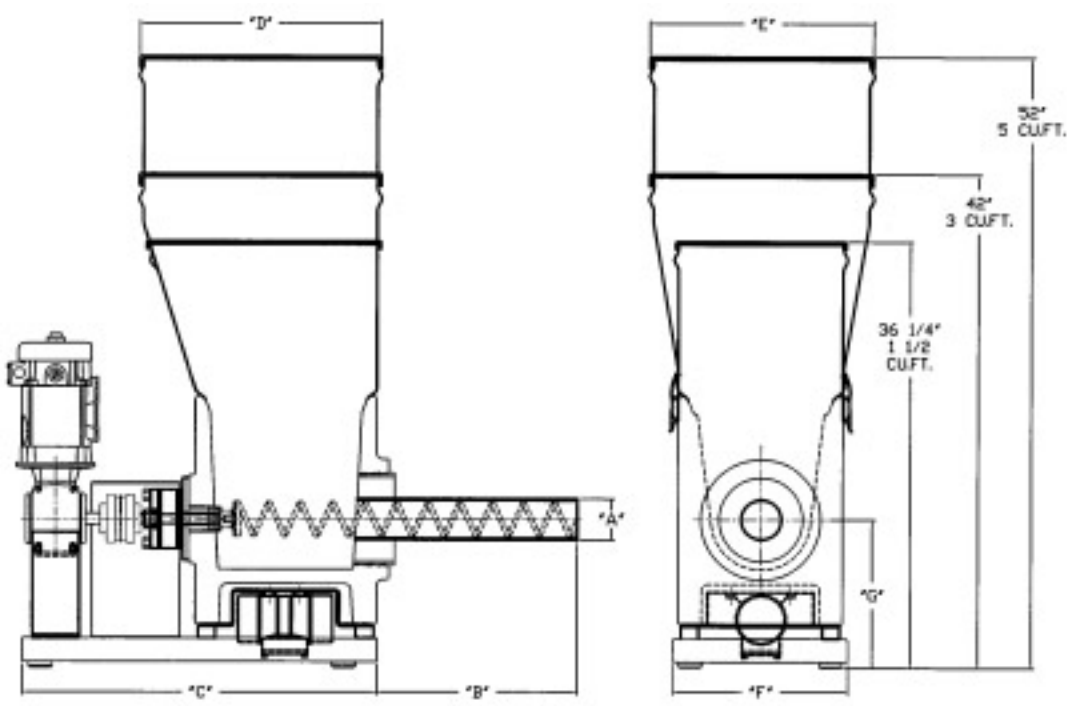

Dimensions and Rates

Screw diameter	"A" O.D.	"B"	"C"	"D"	"E"	"F"	"G"	CAP CU/FT	CU FT/HR	CU M/HR
1/2"	3/4"	9 1/4"	27"	20 5/8"	14 1/16"	15"	10 1/8"	1 1/2	0.24	0.007
5/8"	7/8"	9 1/4"	27"	20 5/8"	14 1/16"	15"	10 1/8"	1 1/2	0.52	0.01
3/4"	1.05"	9 1/4"	27"	20 5/8"	14 1/16"	15"	10 1/8"	1 1/2	1	0.03
1"	1 1/2"	9 1/4"	27"	20 5/8"	14 1/16"	15"	10 1/8"	1 1/2	2.8	0.1
1 1/2"	2"	9 1/4"	27"	20 5/8"	14 1/16"	15"	10 1/8"	1 1/2	8.8	0.2
2"	2 1/2"	9 1/4"	27"	20 5/8"	14 1/16"	15"	10 1/8"	1 1/2	23	0.6
3"	3 1/2"	17 5/16"	30"	20 9/16"	19 3/16"	15"	12 5/8"	3	74	2.0
3"	3 1/2"	17 5/16"	30"	20 9/16"	19 3/16"	15"	12 5/8"	5	74	2.0
4"	4 1/2"	17 5/16"	30"	20 9/16"	19 3/16"	15"	12 5/8"	3	200	6.0
4"	4 1/2"	17 5/16"	30"	20 9/16"	19 3/16"	15"	12 5/8"	5	200	6.0
6"	6 5/8"	17 5/16"	30"	20 9/16"	19 3/16"	15"	12 5/8"	3	600	17.0
6"	6 5/8"	17 5/16"	30"	20 9/16"	19 3/16"	15"	12 5/8"	5	600	17.0

Contact Materials
- a. Polyethylene
- b. 304 Stainless steel

External Construction
- a. Carbon steel

Coatings
- a. Standard external-enamel
- b. Optional external-epoxy

Drives
- a. DC or AC TEFC with reducer 115/1/60, 230 or 460/3/60
- b. Explosion proof

Sanitary Application
- a. Food grade gaskets and seals
- b. Teflon seals
- c. Guards, covers held with hand fasteners

AF-05
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Specialists in the precision processing of dry materials
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