

Acrison Volumetric Auger Feeder

Mfg: Acrison

Model: 1702-EE

Stock No. SNPM074.12a

Serial No. 98135-01

Acrison Volumetric Auger Feeder. Model: 1702-EE. S/N: 98135-01. GE motor, 1 hp, 1725 rpm, 115/230 V, 13.20/6.60 amps, 60 Hz, 1 phase. Comtrac motor drive, 106.1 ratio, 15.1 output rpm, 1580 output torque. Mixer with Baldor motor, 75 hp, 1750 rpm, 90 V, 7.9 amps. Ecoson motor drive, 15 ratio, 116 output rpm. Mixer flange: 4 in. W x 4 in. H with 3 hole, center to center: 8-1/2 in. Electric vibrator. SCR-DC Acrison Box control. Quick clean out port with 4-1/2 in diameter. Overall dimensions: 55 in. L x 31 in. W x 56 in H.





The Model 170 Series of "Flat Bottom" Feeders have the ability to "self-empty" and offer "total and rapid clean-out capability," yet this unique device has only two moving parts.

The Model 170 Advantage

Standard Features

- Accurate and dependable metering of a wide variety of dry solid materials
- Positive hopping of even the most "difficult-to-handle" products
- Feeds until completely empty
- Novel "discharge port" allows the feeder to be emptied quickly
- Total clean-out capability with quick disassembly / reassembly design
- All stainless steel product contact surfaces. Rugged, all-steel construction for durability and long operating life
- Only two moving parts
- Permanently lubricated, heavy-duty gearmotor drives
- Near-zero maintenance
- Electric vibrator, Model: 2P-75, S/N: 60C17081, vibrator capacities: 3450 rpm, 115 V, 0.5 amps, 1 phase

Designed with a circular flat bottom feed chamber with a non-restrictive, non-converging product inlet, a slow-speed horizontally rotating conditioning agitator (driven from below) ensures positive flow of product from within the feeder's integral supply hopper into the feed chamber.

The metering auger is located beneath the flat bottom feed chamber, directly below the conditioning agitator, offset to one side. All areas within the feed chamber and metering auger trough are active; dead zones do not exist and consequently, product stagnation cannot occur anywhere within the feeder. Complete filling of the metering auger with product of consistent density is ensured by the action of the agitator.

With only a few moving parts, Model 170 metering mechanisms have the inherent ability to **"self-empty"** - when permitted to feed until empty, or to **"empty-quickly"** - when the need to empty the feeder rapidly exists. The latter is accomplished by means of a novel discharge port located in the flat bottom of the feed chamber. **Clean-out is extremely fast, simple and complete.**

As standard, the Model 170 Series of Feeders utilize two separate drives - one for the conditioning agitator and one for the metering auger. The slow speed agitator is usually driven by a constant speed gear motor, and the metering auger by an SCR controlled, variable speed DC drive. However, for optimum flexibility in certain applications, both the agitator and metering auger may be powered by variable speed SCR/DC drives, operating in a ratio (adjustable) to each other. In either case, the gear-reduction portion of each drive is permanently lubricated with a synthetic lubricant.

"Active Hopper" Design

As an option, based on product handling characteristics, certain Model 170 Feeders may be equipped with Acrison's new and exclusive **"Hopper Isolation Pad"**, which allows the feeder's integral supply hopper to become uniformly active when a gentle, high frequency vibration is applied to it. The Isolation pad also confines this vibration to the feeder's hopper. In turn, positive flow of even the most difficult-handling products out of the feeder's supply hopper and into the feed chamber is ensured.