

GIRTON AUTOMATIC UNIVERSAL BEDDING DISPENSER MODEL BD80

GENERAL

Girton pioneered this dispenser in 1979, and introduced it to the market place in 1980, hence BD80. The bedding transfer system consists of stainless steel "flights" attached to commercial-grade hardened steel chain links, which were sourced to cure the problem of pinching, link wear, jumping off drive sprockets, jamming, etc., associated with other types of chain. These links are not available in stainless steel material.

All other components of the BD80 are fabricated of stainless steel material.

The Girton BD80 Bedding Dispenser is designed to prevent water from entering the bedding dispenser at the load end of the unit. Cleanouts, debris pans, screens, etc. are provided where appropriate.

The Bedding Dispenser shall be a completely packaged unit complete with all wiring for single service connections.

The bedding dispenser shall be designed to accurately dispense varying amounts of bedding into animal cages as they are conveyed through the bedding dispenser in random fashion. The bedding dispenser shall handle various forms of solid bedding as used in the Animal Care Industry.

STANDARD DIMENSIONS

Overall length - 96" (Other lengths are available)

Conveyor width - 36" (Other widths are available)

Overall width of machine, including standard dust collector - 84"

Conveyor height - 28-1/2" to 30"

Clearance for cages between conveyor and dispenser - minimum 10" high

CONSTRUCTION

1. The storage-dispensing hopper shall be of 14-gauge stainless steel, 2B finish.
2. All structural supports shall be stainless steel. All sprockets, shafts, chains, etc., shall be carbon steel.
3. Powered Roller Conveyor – The bedding dispenser shall be provided with 1-5/8" diameter stainless steel rollers on 3" centers to convey the cages. Conveyor shaft bearings shall be ball bearing type.
4. Legs shall be adjustable for leveling the bedding dispenser and adjusting the cage conveyor height.
5. Controls:
 - Start/Stop switch and speed control for the variable speed drive motor that powers the dispensing flights.
 - Start/Stop switch for the drive motor that powers the cage conveyor.
 - The controls can be conveniently located on either side of the bedding dispenser (infeed or discharge).
6. The BD80 Bedding Dispenser shall be equipped for electrical hook-up to 1phase, 60 cycle, 115-volt electrical service.
7. A hinged cover shall be installed on the loading hopper. One (1) removable cover shall be installed over the dispensing flights. A clean-out door shall be located on the loading hopper. Service access doors are located on infeed and discharge ends of the bedding dispenser.
8. Hopper capacity is 10 cubic feet.

OPERATION

1. Filling the hopper with bedding.

The storage/dispensing hopper shall be filled by dumping bedding into the hopper located along side the cage conveyor bed. The hopper shall be supplied with a bin agitator to assure operation with all types of solid bedding common to the animal care industry, including aspen and wood shavings.

2. Dispensing bedding into cages or cage pans.

When dispensing bedding into cages, both drive and dispensing motors shall be turned on. A sheet of bedding is continuously dispensed from above the cage conveyor. This sheet extends across the full width of the cage conveyor. As cages pass top-side-up through this sheet of bedding, a controlled level of bedding material is deposited into the cages. The cages can pass beneath the hopper in any random pattern and will still be filled with the same amount of bedding per square inch of cage bottom. The rate at

which the bedding is being dispensed is adjustable so that the amount of bedding deposited in the cages can be varied. The bedding, which falls outside of the cages, will fall through the conveyor and into the bottom-loading hopper. It is then returned to the side storage hopper by the dispensing conveyor.

The cages shall be automatically inverted and transferred to the cage conveyor as they are discharged from the tunnel washer.

DUST COLLECTOR

- A. The standard dust collector shall be an industrial collector consisting of a simple blower and dust/filter bag.
- B. The optional dust collector shall be a commercial system with a 1 Hp blower, solids collection drum, and a dust/filter bag.

SERVICE REQUIREMENTS

Electrical: The bedding dispenser and standard dust collector: 1 phase, 60 cycle, 115 volt, 20 amp

OPTIONAL DUST COLLECTOR

Electrical Requirements: 3 phase, 60 cycle, 208/230/460 volt

* Please note that all sub components of Girton Washers are **NON-PROPRIETARY** and **COMMERCIALY AVAILABLE** from various sources, for **FLEXIBILITY AND ECONOMY OF MAINTENANCE** throughout the life of the washer.

BD-80 Automatic Bedding Dispenser



Girton Tunnel Washer with Model BD-80 Bedding Dispenser



Girton Tunnel Washer with Model BD-80 Bedding Dispenser