



# Vacuum Bedding System with Bag Slitter/Opener and Storage Bin/Silo

## Vacuum Bedding Delivery System

### PRODUCT COMPARISON TABLE

<p><b>Roe Biomedical Products:</b></p> <p style="text-align: center;"><b>Vacuum Bedding System (Dispensing) with Bag Slitter and Storage Silo</b></p> <p>Uses animal bedding materials in standard 15 to 100 lbs. (36"W x 40"L x 14"H max.) packaging.</p> <p>Single compact unit is designed for automated opening and storage of bedding product.</p> <p>Most laboratory animal bedding products can be used such as paper &amp; wood pulp, chip or shavings, cob, etc.</p> <p>Any operator easily loads bedding packages onto waist level conveyor. System detects and stops loading when at capacity.</p> <p>10 each 40# bags can be loaded in one minute. Emptied bags are quickly discarded.</p> <p>Sterilized bedding bags can be automatically surface sanitized or sterilized through an optional misting section. Sterility is maintained inside unit.</p> <p>Graphic Touch Panel Interface with embedded graphics and self-diagnostics. Makes it easy for operators to understand the status of the entire system, including when to recharge the system with bedding.</p> <p>PLC has built in communication modem and data acquisition capabilities for in-house and/or remote system management and control. The self-diagnostic feature monitors the operating parameters.</p> <p>System may be recharged with product at any time, even when partially full, without disruption of either delivery operation or bedding dispenser operation.</p> <p>Discharge with separating valve is floor mounted over bedding dispenser and discharges bedding into the dispenser hopper, for a no net floor space requirement. Filter cabinet with vacuum blower is 20" d x 32" w.</p> <p>&gt;70 db @ 2'.</p>	<p><b>OTHER SYSTEMS: Bulk Bag</b></p> <p style="text-align: center;"><b>Vacuum Bedding Dispensing System</b></p> <p>Limited to products available bulk bag packaging.</p> <p>Requires lift hoists, trolleys, loading funnel, safety rails and other infrastructure considerations.</p> <p>Limited to flow able bedding products from a few vendors.</p> <p>Requires trained personnel for potentially hazardous overhead hoist lift, placement onto loading funnel and manual opening of bulk bags.</p> <p>Replacing each 400# bulk bag takes a minimum of 15 – 25 minutes. Handling of the emptied bulk bag can easily double this labor.</p> <p>Bulk bedding is easily compromised, if sterile, at loading funnel.</p> <p>Operators are unaware of status of supply or system function unless or until operation is disrupted.</p> <p>Controls are limited to operation of system.</p> <p>System operation is halted during bulk bag change over and cannot be scheduled.</p> <p>Loading Cyclone is ceiling mounted with vacuum unit located in penthouse. Minimum utility space requirement of 144 ft. sq. with noise reducing hoods, dust collectors and ventilation.</p> <p>&gt;70 db @ 3' with noise reducing hood.</p>
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