



Model 1512 Manure Pump

Partners in Progress Since 1948!

Patz Manure Systems - an investment that pays!

- Reduce Fertilizer Costs
- Save Time by Ending Daily Hauling
- Provide Comfort and Convenience

Farmers report several benefits from manure handling systems that include a Patz Manure Pump moving manure through PVC pipe underground to a manure storage basin.

- Preserving the valuable nutrients of the manure to cut fertilizer costs.
- Save fuel costs by eliminating daily hauling with tractor!
- Manure handling with in-the-barn comfort.
- Long-term storage allows spreading manure when desired; you control the manure, it doesn't control you!
- Figure 2 - 2½ cubic feet per day of manure storage for each dairy cow.

Ask your Patz dealer for more information.



Move Manure to Storage Quickly and Easily End daily hauling; preserve valuable nutrients.

Storing manure has become attractive and profitable. The key to successful management of manure is an efficient system of moving the manure to storage.

The Patz Model 1512 Manure Pump is designed to handle manure ranging in consistency from free-flowing liquid to slurry with fine-cut bedding. Liquid manure has up to 5% solids, and slurry manure has 4% to 15% solids.

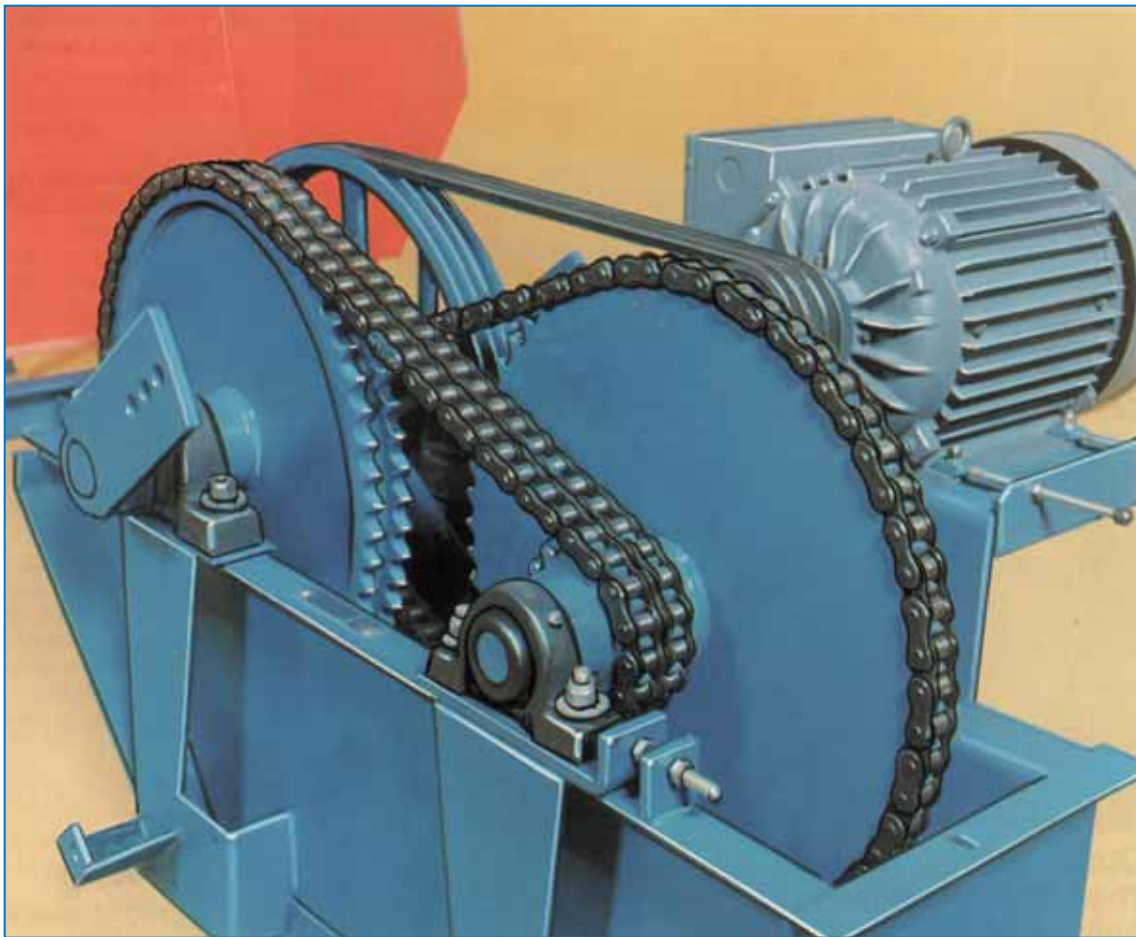
Saving time as well as manure nutrients is easy with the Patz Model 1512 Manure Pump. Manure drops into hopper from your gutter cleaner, or scrape to the hopper. A plunger forces manure through PVC pipe to storage.

The Patz manure pump is designed for easy maintenance. Both the plunger and plunger sleeve can be removed for inspection. An optional in-line valve installs in the 12-inch or 15-inch PVC pipe buried up to 8 feet deep as a shutoff valve. Install if a backflow is possible. An optional flapper valve mounts to the end of the PVC pipe in the holding area to prevent manure from flowing back into the pipe.

Note: Manure too dry to flow may require the addition of water. Manure pumps are not designed for pumping box stall manure, ensilage, hay, wood shavings, lime, sand, crushed rock, etc.



Optional **in-line valve** provides a positive shutoff to prevent backflow.



Drive Unit uses 10 hp. electric motor. Plunger driven through triple V-belt, double #100 roller chain-and-sprocket drive unit. Large 2-1/2 inch and 1-3/4 inch shafts plus high quality bearings assure durable operation. (Guard removed for viewing).

Specifications

Plunger Size

7 x 15 in.

Stroke Lengths

20 in., 17 in. and 14 in.

Hole Size for Pump Installation

5 ft. wide x 14 ft. long x 7 ft. 3 in. deep (approximately).

Floor Space Required for Pump

3 ft. 2 in. x 11 ft. (approximately)

Weight

2350 lbs. (approximately)

Safety Railing

Standard equipment.

Pipe Length

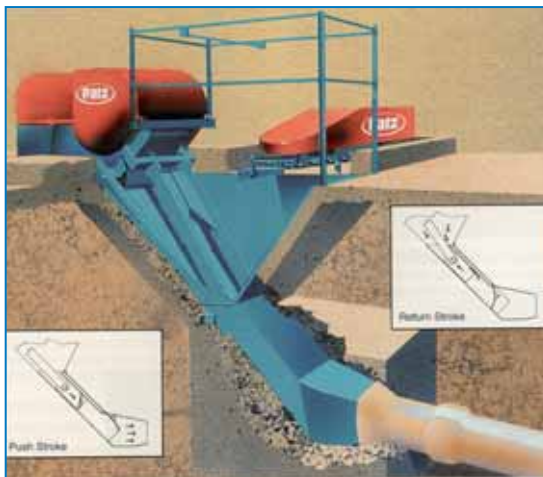
Recommended maximum length of pipe with no elbows, 150 ft. Deduct 5 ft. for each 22-1/2° elbow used and 10 ft for each 45° elbow. Up to 90° of elbows may be used in one installation.

Pipe Size

Choose 15" or 12" PVC pipe.

Storage Height (Head)

Maximum storage height (head) is 25 ft. This is measured from center line of pipe at manure pump to top of manure in storage area.



180 (U.S.) gallon hopper can be filled with gutter cleaner or scraper. Constructed of 1/8-inch steel. Approximately 3 ft. by 7 ft. opening at top.



Plunger sleeve with internally functioning plunger mounts in 1/4-inch thick steel chamber embedded in concrete. Plunger and plunger sleeve may be removed for easy servicing without concrete breakup.



One way valve in plunger opens to fill plunger sleeve on backward stroke. On forward stroke, valve closes and the plunger forces the manure toward storage facility.



Fiberglass cover guard does not rust and provides long service life.



CAUTION:

Never operate Patz equipment without all shields and guards in place. Safety is no accident. Before operating any piece of equipment, be sure to read and understand the operator's manual. The manual should be kept with the machine at all times.

Additionally, make sure all safety shields and devices are functioning properly and are securely in place.



For some photos in this brochure, guards were removed for photographic purposes only to allow viewing of the equipment features. Before operating equipment, all guards must be in place. Because Patz continually improves and updates products, Patz reserves the right to change the construction of machines or attachments or any part thereof without incurring any obligation to make line changes on Patz machines, or attachments previously delivered. *Specifications and prices subject to change without notice.*



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