



Partners in Progress Since 1948

# Model 3333 Multi-Use Vertical Pump

## High-Performance 3" Pump with Quick Transfer

Agitate **FAST**, Transfer **FAST**, Load **FAST**



High gloss polyester powder coating to resist rust!

12 ft. model shown.

- Dairy waste water
- Manure separator liquid residues
- Flood waters
- Hog manure

- High-volume delivery. The voluted design of the impeller housing and the curved blades increase pumping efficiency at an approximate rate of 500 gallons/min (1,892 liters/min).
- Lower repair costs with abrasion-resistant steel impeller housing and shredder plate.
- Unique seal system promotes longer bearing life.
- Light weight and high-strength discharge pipe. Our 3-inch (76 mm)-diameter Schedule 80 PVC discharge pipe reduces the weight of the pump for easy handling while providing a high-strength, low-wear, low-friction discharge tube.
- Pump available in various lengths to fit pit depths of 3 to 12 feet (1 to 3.6 m).
- All stainless steel hardware below the liquid line for long life and easy servicing.

Ryzebol Dairy milks three times per day and keeps their Model 3333 pump running 24/7/365 to pump out wastewater from the milking parlor.

Ryan Buchanan, farm manager, states their first Model 3333 pumped over 1,000,000 gallons/year and ran very well for 5 years with only basic maintenance needed. When the time came to replace the old pump, they knew they could count on their next Patz pump for at least another 5,000,000 gallons.



*(Please see reverse side for details.)*



# More Features and Benefits

**Model 3333 - an affordable & efficient way to move your waste water.**

This pump handles limited fibrous waste water for versatile uses! The impeller blades' swept-back design increases pumping efficiency for high-volume flow through the 3-inch (76 mm) PVC pipe. The impeller's stainless steel stub shaft prevents rust and improves seal life.



Protection against bearing contamination. The lower bearing's oil-bath chamber has four seals to keep contaminants out.

Shear plate located close to the impeller helps prevent clogging and provides positive input.

Impeller transition area features heavier, abrasion resistant steel for long life.



The optional rotating nozzle for agitation allows handling many types of liquid waste and improved pit cleanout. The nozzle's shutoff valve has a stainless steel knife to open and close the port. You can transfer or load while agitating. An output shutoff valve allows faster pit agitation.

Attaching eye located on top of the pump allows easy insertion and removal of the unit in the pit with a tractor loader, skid-steer loader or winch.

A steel plate is included as standard equipment to allow you to precisely position the pump to match your pit depth. Plate can be lagged to a concrete pad or curb.

Choice of volume output: Patz offers a choice of electric motors (3, 5, 7½ or 10 HP) and pulleys to match your output requirements. Output capacities range up to 510 gallons (1,930 liters) per minute at 15-foot (4.6 meters) head. (Guard removed for viewing.)



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The tapered-bore drive pulley mounts to a 1-1/8-inch (29 mm) drive shaft with a greaseable flange bearing at the top of the drive tube. A lip seal below this bearing keeps contaminants out of the drive tube. The drive tube is filled with oil to lubricate the support bearings inside the tube and the bottom bearing.



**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 operators 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.

Bearing seals can be purged every 8 hours thanks to a grease line from the seal pack to the top of the pump.

Easy access to oil reservoir. End guessing - inspect oil level conveniently in transparent oil line at top of pump. A large fill hole allows easy access for adding oil to the drive tube. (Patz recommends using a non-detergent oil.)



*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 like changes on Patz machines, or attachments previously delivered.*

*Specifications and prices subject to change without notice.*



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