

New submersible pump developed for liquid manure

ARLINGTON HEIGHTS, Ill. — The new Neptune Hi-Pro™ submersible pump from A. O. Smith Harvestore Products, Inc. is the cornerstone for a complete reception pit system for liquid manure.

According to James Schaap, executive vice president-marketing, many installation problems may be solved by the pump's optional pit hardware package. The 550 lb. pump itself can be moved easily, so it's ideal for use in multi-pit installations.

The pit hardware kit includes a rotary deck with folding cover plates for safety and convenience, manual valve, automatic coupling to the discharge pipe, a rock guard to reduce damage to chopper components, and a zinc anode to protect against electrolytic corrosion.

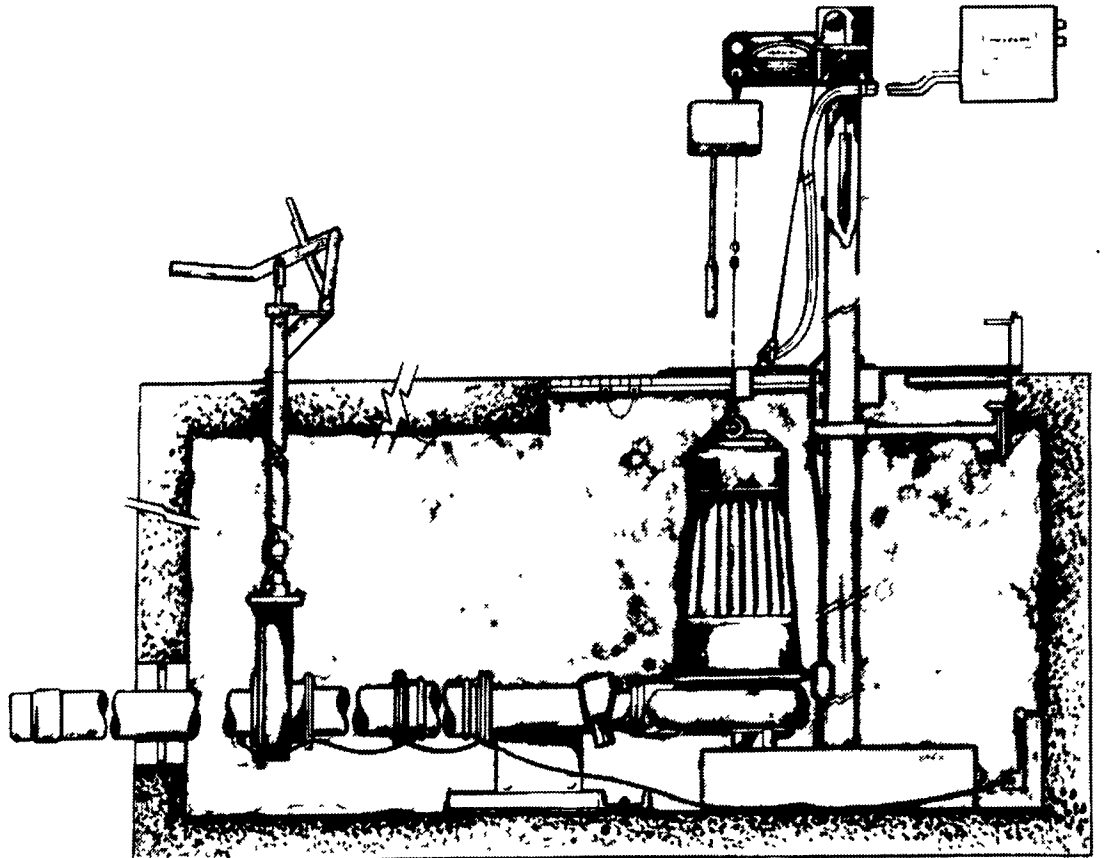
In action, the submersible pump performs three separate functions. First, it chops raw manure, presenting 10,500 cutting surfaces per minute at 1,750 RPM. Second, it agitates material in the pit to homogenize the slurry and prevent

solids build-up. Third, it transfers the liquid manure into a long-term storage facility such as a Slurrystore[®] system.

The Neptune pump's 20 h.p. motor performs at full rating on either single or three-phase power, moving up to 1,000 GPM and providing 90 ft. of shut-off head pressure.

Other features include a convenient shear pin that can be replaced in minutes; two-way reversible chopper components for extended life; a built-in early warning device that signals the operator if liquid should penetrate the sealed motor compartment; and an exclusive power cord retractor for safety and convenience.

The pump is available in two versions, including one for six-to-eight-foot deep pits, and one for up to 10-foot pits. A choice of manual or electric winch is included. The new pump carries a two-year full warranty on the pump assembly, except for chopper block assembly components which have a full one-year warranty.



The Neptune Hi-Pro™ submersible pump from A.O. Smith Harvestore Products, Inc. is part of a complete reception pit system for liquid manure. For top efficiency, the pump can be moved to serve more than one pit. Powered by a 20 h.p. motor, the pump can move up to 1,000 g.p.m. of liquid manure.

Wade' Rain unveils sprinkler

PORTLAND, Or. — A new concept in home sprinklers has been introduced by Wade' Rain, manufacturers of agricultural irrigation equipment for over 50 years.

RainTower, the first product created by the company for the consumer market, overcomes many of the problems associated with traditional sprinklers.

It is the only home sprinkler to feature an elevated stand that

adjusts to heights of either 41 or 72 inches. The tower's height allows gentle rainlike irrigation on lawns, gardens, flowers and shrub beds without "shadowing" — dry spots caused by tall obstacles.

By adjusting the sprinkler head and water-throw distance, users can cover almost any yard or garden shape, and up to 5,200 square feet with one setting. This means less time spent repositioning the sprinkler to cover a large or unusually-shaped area.

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