## **Comparison of two types of Water Pumps**

The one on the left is a rotary barrel pump. It is designed to fit 15-55 gallon drums. The one on the right is the traditional old fashion lever water pump. Both can be purchased from Harbor Freight tools <a href="http://www.harborfreight.com">http://www.harborfreight.com</a> for about the same price.

Both pump about the same amount of water for a given input energy. Both were new and were not broken in when I test them. They were stiffer than normal to work. Both needed priming with water before they would pump water.

The rotary pump will not work at pulling water up to the same height that the lever pump will. The top of the lever pump tends to come off if not tightened well enough. The set screws in the front may need to be changed out for bolts in the long run. It also may rust if not in continuous use. It defiantly needs to be solidly mounted to a wood platform that one can hold onto if used as a barrel pump.

This rotary pump is new at Harbor Freight Tools. It is made of all plastic except for the bolts that hold it together. This version of the pump is a definite improvement over the all steel older version that will rust if one tries to use it for water.

I recommend having at least one of each around for emergency use.



## **Comparison of two types of Water Pumps**

For the lever pump, one can use plastic PVC 1.25" pipe from Home Depot to make the stand pipe. A notch in the pipe near the bottom can be cut to allow water to come in just above the settlement that could collect at the bottom of a tank. Sanding the inside of the housing where the seal goes up and down with fine sand paper before use, would make the seal last longer.

## **Hand Operated Water Pump**

This pump requires no gas or electricity to draw water from wells and cisterns. Built with old fashioned common sense and proven by pioneers across the United States. Includes threaded inlet at the bottom for watertight installation. Rust-resistant paint.

Lift: 25 ft.

Inlet size: 1-1/4"Thread: 11-1/2 TPIWeighs 18-3/8 lbs.

ITEM 1318-2VGA --- cost \$29.99

## **MULTI-FLUID ROTARY BARREL PUMP**

- Nonsparking mechanism--safe for use with flammable liquids
- Polypropylene components--safe to use with antifreeze, detergents, windshield fluids, glycerin, won't rust or corrode
- Stainless steel hardware
- Viton seals
- Fits 15-55 gallon drums
- Delivers 1.3 gallons per 20 turns
- Threaded polypropylene suction tube, 2" bung

ITEM 94666-1VGA ----- Cost \$25.99