

Sling Pump

<http://www.riferam.com/sling/index.htm>



- Pumps water from flowing streams, creeks, or rivers without electricity or fuel
- Lift water up to 82 feet vertically
- Install in minutes
- No maintenance
- Durable construction
- Proven technology
- Reliable performance
- Safe operation
- Available in three water powered to fit most flow and lift requirements

The RIFE Slingpump is a self supporting system for pumping water. It is completely mechanical and operates without electricity or fuel. The power to drive is provided by flowing water.

There is only one moving part, the swivel coupling, and it is water-lubricated. All parts are non-corrosive and designed to withstand a high degree of stress. There is virtually no maintenance.

Water pumped by the RIFE Slingpump can be used for household needs, irrigation, ponds, and gardening. It is especially useful in aerating stock tanks and fish tanks since it pumps half water and half air.

The RIFE Slingpump will pump all year through flash floods and frost. In areas with severe winters and danger of damage from floating ice-floes, the Slingpump must be removed from operation.

HOW RIFE SLINGPUMPS WORK

The whole pump unit is set in slow rotation by means of a propeller, which sets in motion by streaming water at axial level. The pump is held in position by a mooring or a stake in the stream bed.

On the inside of pump casing is a helically-wound poly hose. This hose is open at the rear end and attached to a swivel coupling at the front end.

The pump revolutions result in a alternate inflow of air and water, which forces water forward via the swivel coupling into the feeder hose which conveys the water to an intermediate storage tank or place on consumption. The pumped water thus oxygenated is supplied in a pulsating from.

The materials design used guarantee a durable product which will allow rough handling without breaking down. The pump is designed for continuous attendance-free operation far from the place of consumption. Consequently, the cost of the operation and maintenance is practically non-existent.

MODEL SPECIFICATIONS

Model	1-16	2-16	2-20
Weight	20 lbs.	44 lbs.	44 lbs.
Hose I.D.	½ "	½ "	5/8"
Pumping Head	26'	82'	49'
Required Depth	1'	1 ½'	1 ½'
Volume @ 2 ft./sec	832 gpd.	1056 gpd.	1585 gpd.
Volume @ 1.5 ft./sec	554 gpd.	660 gpd.	1056 gpd.
Dimensions	21" D x 34"L	25" D x 54"L	25" D x 54"L

With a little imagination and lots of garden hose this could easily be made. The dimensions are all there.