

The Essentialist

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Bigfork's Essential Stuff Newsletter — Bringing People Together
A Publication of the Essential Stuff Project, Bigfork, Montana

The Essential Stuff Project List of Hand Pump Suppliers

Bison Hand Water Pumps

<http://www.bisonpumps.com/prices-hand-water-pumps.htm>

Stainless Steel Deep Well Pump with Vandal-Proof SS Well Adapter (When ordering, please specify the inside diameter of your well casing.) Model: BPH-125VWA \$793.00. This is a basic pump price, and a complete system, with all the adaptors and fittings, may run \$1200-1500. Depth to 300-feet. These fit an existing well-casing, without removing the original electric pump.

Advanced Energy Group -- Hand or Solar Powered Water Pump

<http://www.solar4power.com/solar-power-water-pump.html>

"We highly recommend this pump for either an emergency water pump for your existing well or as a remote site water pump for wells with common 2" through 8" casings. Fresh water can be easily pumped from as deep as 300' by hand. The hand effort required from a typical depth of 100' is only 13 pounds of child-like downward force for 3 gallons per minute.

"The most popular "lever handle" pump kit (Model 100L) comes complete with all necessary upper installation components: Submersible stainless steel pump cylinder, a 2", 4", 5", 6" or 8" well casing cover with clamp flanges, and the upper pump/spigot assembly with lever action for only \$700 plus well cover. An optional large capacity pump cylinder (Model 125L) is \$50 more and increases flow rate up to 70 percent in shallower applications of 125 feet or less.

"A "no lever handle" version (Model 100) is available for when all pumping will be motorized by the optional gear motor and there is no need or desire for the lever handle assembly. Model 100 is \$550 plus well cover."

Real Goods Solar, Inc.

<http://www.realgoods.com/product/water-heating-pumping/water+pumping/surface+pumps/guzzler+foot+pump+with+1in+port.do>

Guzzler Hand & Foot Pumps. These are not designed for deep well pumping, but are useful for transferring water to different locations, and are not expensive. They range in price from \$55-133.

How To Build Your Own Hand Pump, By Keith Hendricks.

<http://www.thefarm.org/charities/i4at/surv/handpump.htm>

Simple design, for shallow wells, and cisterns. Easy to build, and complete with instructions and parts list.

Home made hydraulic ram pump, by Judy of the Woods

http://www.judyofthewoods.net/ram_pump.html

"If you have a water supply below the point where you need the water, and the source is higher than the lowest part of the property, then a hydraulic ram pump may be the solution. Hydraulic ram pumps are powered by a portion of the water running through it. You can make one to suit your conditions at very little cost."

Lehman's

<http://www.lehmans.com/jump.jsp?itemID=881&itemType=CATEGORY&iMainCat=681&iSubCat=881&i1Cat=681&i2Cat=878&i3Cat=0&i4Cat=881>

A variety of well pumps from \$35-839. Shallow well, mostly

Deep well hand pumps from Survival Limited (lift up to 300 feet)

<http://www.survivalunlimited.com/handwaterpumpdeep.htm>

"Stainless Steel Pump Head with Stainless Steel Pump Cylindr Down to 200' for full time use, or from 201' - 300' as Emergency Source Only. This is our Best Quality hand water pumping system for regular to very Deep well applications! Price for as little as \$1199.00 Complete System for water level at 60' from surface."

Contact Edd Blackler (blackler@acrossmontana.net), 837-5196),
Edmund Fitzgerald (edmund@montanasky.net), 837-5548) or
Catherine Haug (cmhaug4@earthlink.net, 837-4577