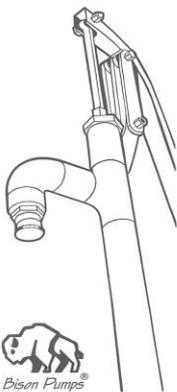


# BISON UTILITY SHALLOW WELL HAND PUMP INSTALLATION MANUAL



[www.bisonpumps.com](http://www.bisonpumps.com)

BISON PUMPS  
 98 BANGOR STREET  
 PO BOX 977  
 HOULTON, ME 04730  
 1-800-339-2601  
 INFO@BISONPUMPS.COM

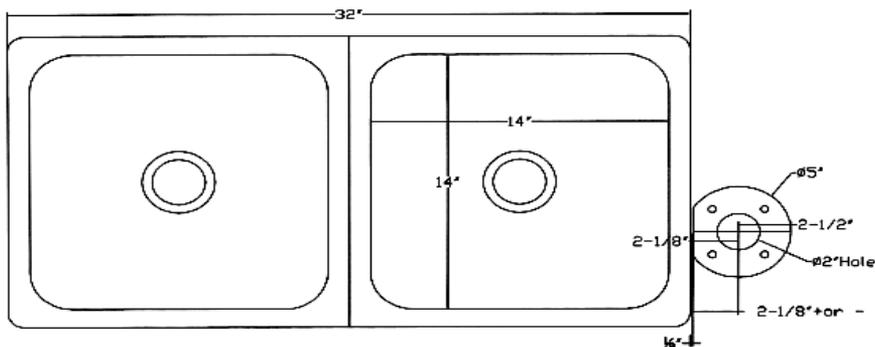
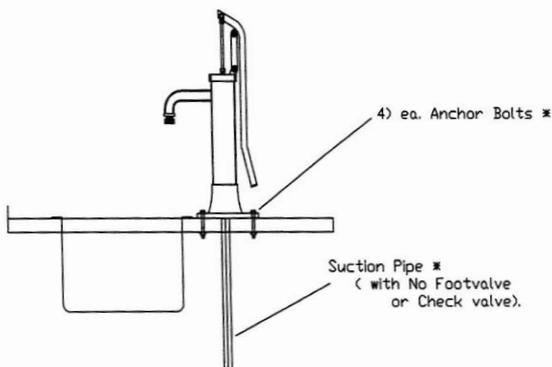
**STEP #1** - Inspect the contents of the box to be sure everything you ordered has been received.

**READ ALL INSTRUCTIONS COMPLETELY BEFORE INSTALLING THE PUMP.**

**STEP #2** - Begin the installation of your **Bison Shallow Well Pump**. If you are installing the pump on a counter top, refer to "Detail A"

*Note: Before you drill any holes in the counter top, be sure to carefully inspect the underside of your counter to be sure there are no obstructions with the installation of the (4) anchor bolts.*

Detail A



**STEP #3** - Once you have determined the location of your hand pump, line the flat edge of the pump base with the edge of the sink. With a tape measure, determine the center of the 2 ¼” hole that will be drilled through the countertop. After the hole is drilled, set the pump on the countertop and trace the four bolt holes and drill the holes with a 3/8” drill bit.

*Note: The Bison Shallow Well Pump has (4) stainless steel screws in the top of the pump head. These screws can be removed to allow you to rotate the top plate and handle assembly so that you end up with either a left hand pump, a right hand pump, or a straight in-line pump. These screws are also used to remove the entire pump mechanism from the pump body.*

*Note: Four 3/8” x 2 ½” hex head bolts, washers and nuts are provided to anchor the pump to the countertop. BE SURE TO PURCHASE STAINLESS STEEL HARDWARE.*

**STEP #4** - Place the hand pump in position lining up the (4) holes in the counter top with the (4) holes in the pump base flange. Install the stainless steel nuts and bolts and tighten securely.

**STEP #5** - Connect the water suction line to the base of the hand pump under the kitchen counter. The 1 ¼” female pipe thread at the base of the pump can be reduced to fit any size pipe 1 ¼” and smaller.

*Note: Do not install a check valve under the hand pump and do not install a foot valve at the end of the suction line. You should, however, install a screen on the end of the suction pipe that is in the water. One suggestion would be to purchase a typical brass foot valve and remove the internal check valve of the foot valve and use this as the screen. If pulling water from a lake or stream, it is also a good idea to wrap the foot valve (less check) with a fine mesh nylon screen.*

**STEP #6** - The installation is now complete. Pump your **Bison Shallow Well Hand Pump** until you get water. No priming of the pump is necessary.

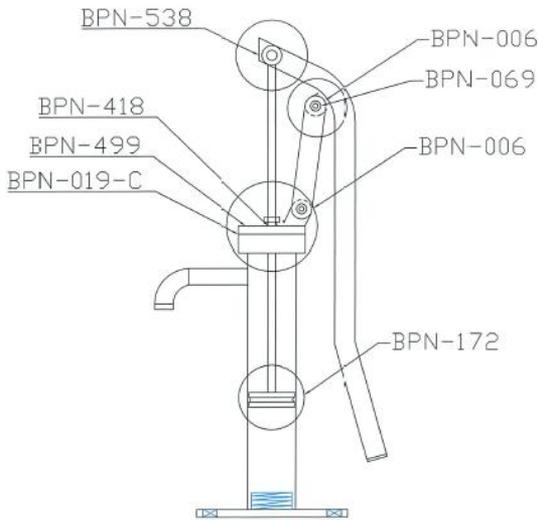
On the top of the pump body is a gland nut which the lift rod slides through when pumping your hand pump. *This nut should be hand tight.* If there is leaking through this nut when pressurizing a vessel, then

tighten this gland nut a quarter turn. **Do not over tighten** as this may cause difficulty in pumping your hand pump or damage to your lift rod.

TO WINTERIZE THIS PUMP: Remove the four screws in the top cap, pull the cap, handle, rod and all out of the pump body. Pour approximately 1 cup non-toxic polypropylene glycol into the base of the pump. Reinsert parts and cap and secure screws.

If you purchased the drain back kit as an accessory (BP-DBK), open the drain back valve, pump the handle several times, until no water comes out of the drain back valve or the spout of the pump. Pour approximately 1 cup non-toxic polypropylene glycol into the base of the pump.

*Bison Pumps will not be held responsible for defects or damage to this product due to inexperience or negligent workmanship during installation of the pump and associated parts.*



### Shallow Well Utility Repair Kit - Accessory

BPN-006	Wash Flat Nylon 3/8" x1-1/16
BPN-019-C	O-Ring
BP-PGW	Packing Gland Friction Washer
BPN-018	scr Cup P.Set 316 1/4"x1/4"
BPN-499	Scr Count 304 s/s 1/4-20x 3/4"
BPN-418	Cup Seals – Packing Gland
BPN-172	Cup Seals - Piston

### Part Number      Optional Accessories

BP-UCV	Valve Check Only
BP-PK-UTIL	Pressurizing Kit
BP-DBK	Drain Back Kit