



Pitcher Pump Stand Installation Manual

Assembly Revision Level -

BISON PUMPS
The Power of Water in Your Hands

Rev -

Proudly Manufactured in Conway, Arkansas, UNITED STATES OF AMERICA.

Table of Contents

Product Specifications	3
Pre-Installation	4
Pitcher Pump Stand Installation Instructions	5

Appendix

Detail A: Pitcher Pump Stand Dimensions	9
Detail B: Pitcher Pump Stand Installation	10
Detail C: Pitcher Pump Stand Exploded View	11
Detail D: Pitcher Pump Stand Part Listing.....	12





Bison Pumps Pitcher Pump Stand Installation Manual

Product Specifications

Description: The Pitcher Pump Stand is designed specifically to mount a Model 1900 Stainless Steel Pitcher Pump onto it. It is recommended when there is not a structure on which to mount the pump.

Design and Construction

- Stainless steel construction
- Places the pitcher pump at the proper height for pumping
- Top Flange matches the Bottom Flange of Model 1900 pump for easy installation
- Bottom Flange designed to stabilize the stand while pumping
- Top flange gasket to fit between the two flanges
- Lifetime warranty

Options

- Cover Plate Assembly (for use during winterization)
- Stainless Steel Security Nuts (includes security socket)

Dimensions

- Height: 30"
- Stainless steel tubing diameter: 3"
- Top Flange: 6.88" diameter with (4) holes for carriage bolts
- Bottom Flange: 6.30" diameter with (4) holes for anchor bolts
- Weight: 15 pounds

Contents

- (1) – 30" tall stainless steel stand
- (1) – Rubber pump gasket
- (1) – Cover plate
- (4) – 3/8"-16 stainless steel carriage bolts with washers and nuts
- (1) – Installation Manual

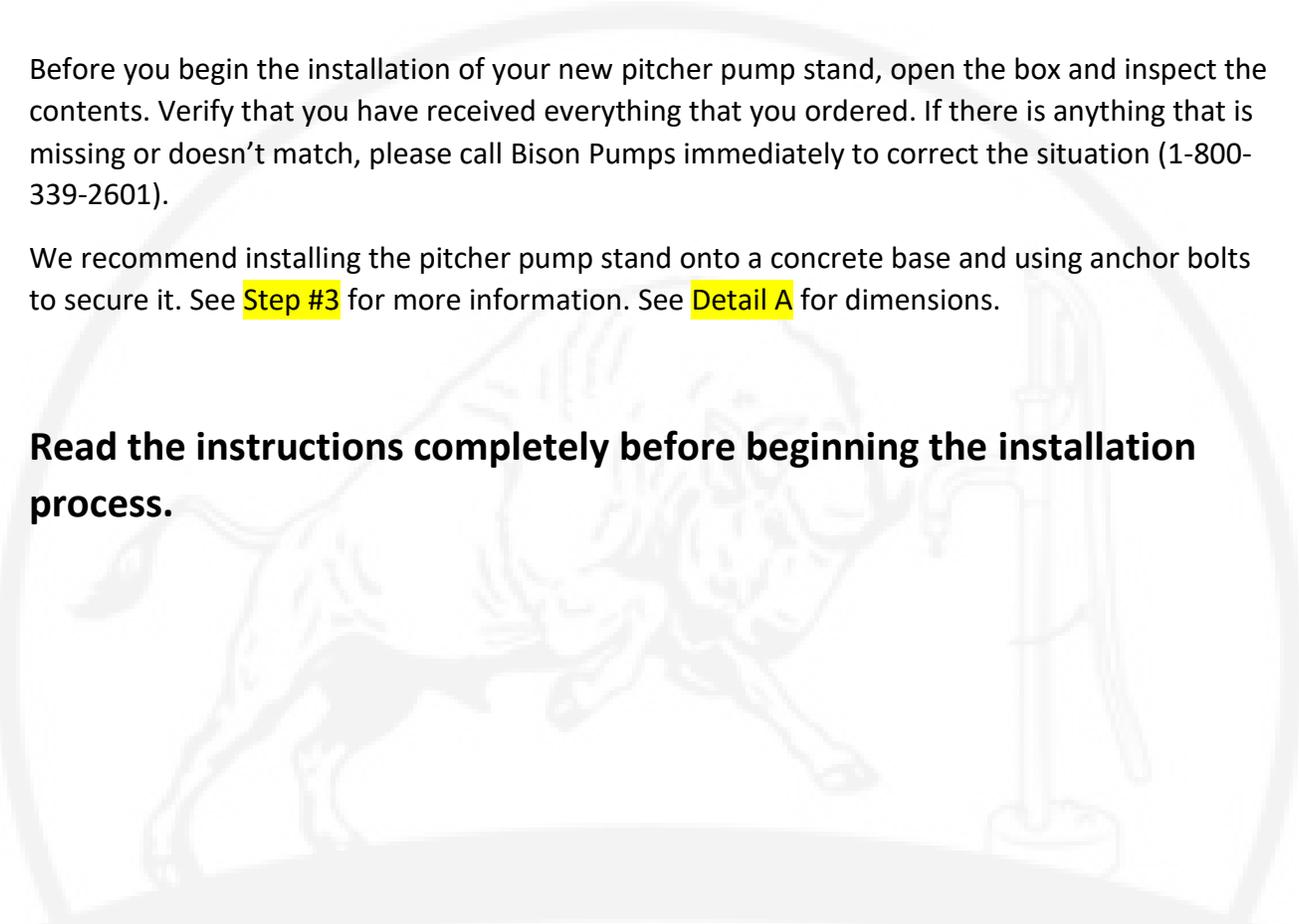
Pre-Installation

Warning – You must comply with your local plumbing code. Contact a certified plumber if you have questions about proper plumbing codes in your area.

Before you begin the installation of your new pitcher pump stand, open the box and inspect the contents. Verify that you have received everything that you ordered. If there is anything that is missing or doesn't match, please call Bison Pumps immediately to correct the situation (1-800-339-2601).

We recommend installing the pitcher pump stand onto a concrete base and using anchor bolts to secure it. See **Step #3** for more information. See **Detail A** for dimensions.

Read the instructions completely before beginning the installation process.



BISON PUMPS
The Power of Water in Your Hands

Pitcher Pump Stand Installation Instructions

Step #1: Verify there is proper space for the pitcher pump

The pitcher pump stand places the pitcher pump at the proper height for pumping. Note the height of the pitcher pump and ensure there is sufficient room for pumping.

During the installation, you will need a clean space to layout the contents of the pitcher pump stand as well as the pitcher pump and possibly the piece(s) of drop pipe. Ensure there is sufficient room to accommodate this.

Step #2: Installation items needed

Tools required: (1) 9/16" wrench, hammer drill or rotary hammer with corresponding 3/8" bit (if using anchor bolts), steel hammer (if using anchor bolts), Tapcons® with matching sized bit (if using Tapcons®)

Supplies required: Safety glasses, gloves, Teflon tape

Step #3: Anchoring the Pitcher Pump Stand

The stand should be installed on a sturdy platform at the desired location. There should be a 2"-3" void in the center of the platform for the drop pipe to run through under the pitcher pump stand. Do not connect the drop pipe at this point.

Position the pitcher pump stand on the platform so that the spout will point in the desired direction. The flat on the pitcher pump stand top flange is in the direction the spout will face (See [Detail B](#)). Remove the cover plate ([Details C & D – Item 5](#)) by using a 9/16" wrench to loosen and remove the bolts ([Details C & D – Item 2](#)) and nuts ([Details C & D – Item 3](#)). Set aside the cover plate until needed for winterization.

Locate and mark the four (4) clearance holes of the bottom flange onto the platform surface. The clearance holes are designed for 3/8" diameter anchor bolts.

For a concrete platform using Tapcons® or concrete anchor bolts:

- a. Place the pitcher pump stand aside and drill the holes previously marked. Be sure to drill at least as deep as your Tapcons® or anchor bolts are long and to clean each hole for dust and debris after drilling. Recommended drilling depth is at least 1 3/4".
- b. Take the drop pipe for the well (usually 1" poly pipe) and place it up through the pitcher pump stand so that the top of the drop pipe comes out the top of the pitcher pump stand.
- c. Place the pitcher pump stand in place while supporting the drop pipe above the pitcher pump stand.

- d. With the pitcher pump stand mounting holes aligned with the drilled holes, install the Tapcons® using the matching sized bit or the anchor bolts using a steel hammer. **Be sure to attach the washer and nut onto the anchor bolt w/ roughly ½” of threads exposed on the top before hammering.**
 - e. Hammer each anchor bolt until the washer is flush with the stand flange and then tighten the nut with a wrench or socket to the recommended torque value (use a torque wrench if available) **DO NOT OVERTIGHTEN**
- If using security nuts, use the provided security nut socket to tighten the security nut onto the anchor bolt.

For a wooden platform with preinstalled lag bolts:

- a. Take the drop pipe for the well (usually 1” poly pipe) and place it up through the pitcher pump stand so that the top of the drop pipe comes out the top of the pitcher pump stand.
- b. Place the pitcher pump stand in place while supporting the drop pipe above the pitcher pump stand
- c. Align the pitcher pump stand mounting holes and place the pitcher pump stand on the platform so that the lag bolts go through the pitcher pump stand mounting holes. Check that the spout side is oriented correctly.
- d. Secure the pitcher pump stand to the platform by tightening nuts onto each lag bolt.

If using security nuts, use the provided security nut socket to tighten the security nut onto the anchor bolt.

STEP #4: Attach the drop pipe to your Model 1900 Pitcher Pump

Place the rubber pump gasket (**Details C & D – Item 6**) in place on the pitcher pump stand top flange (**See Detail B**). The drop pipe will come up through the pitcher pump stand and gasket before connecting to the pitcher pump.

Screw the drop pipe into the bottom bushing of the Model 1900 Pitcher Pump and hand tighten. **DO NOT OVERTIGHTEN THE DROP PIPE.**

The Drop Pipe connection will need fresh Teflon tape on the threads. **DO NOT USE PIPE DOPE**

STEP #5: Attach the Model 1900 Pitcher Pump to the pitcher pump stand

Be sure that the spout is oriented in the desired direction before placing the pitcher pump onto the pitcher pump stand.

Align the holes of the pitcher pump bottom flange, the pump gasket, and the pitcher pump stand top flange. Insert the provided carriage bolt through the top of the pitcher pump bottom flange. Attach a washer and nut onto the bottom of the carriage bolt and tighten. See **Detail B**.

Note: If using security nuts, use the provided security nut socket to tighten the security nuts.

STEP #6: Pump Operation

Begin pumping the handle on the Model 1900 Pitcher Pump. Water should begin to flow from the spout after a few strokes.

Please refer to the Model 1900 Owner's Manual for operation and maintenance information about the Model 1900 Pitcher Pump.

See **Details C & D** for any replacement parts and part numbers.

If you are currently treating the water in your home, remember that the water you pump directly from your well is untreated water. Bison Pumps recommends that you have your water tested to be sure that it is good quality potable drinking water.

To Winterize the System:

***** Failure to winterize may void the warranty. *****

Remove the four (4) bolts holding the pitcher pump to the pitcher pump stand. Lift the pitcher pump up and unattach the drop pipe.

To drain the water from the pitcher pump, hold the pump at an angle and pump the handle until all the water is removed. Store in a safe warm place.

Install the cover plate using the same bolts, washers, and nuts (**See Detail C**).

Note: The eyebolt on the bottom side of the cover plate can be used to support the drop pipe during winterization.

To Dewinterize the System:

Remove the cover plate. Reconnect the drop pipe to the bottom of the pitcher pump. Reinstall the pitcher pump onto the pitcher pump stand using the same bolts, washers, and nuts (**See Detail B**).

Contact

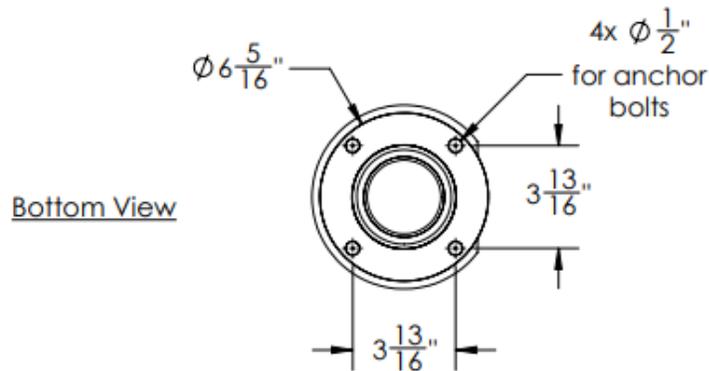
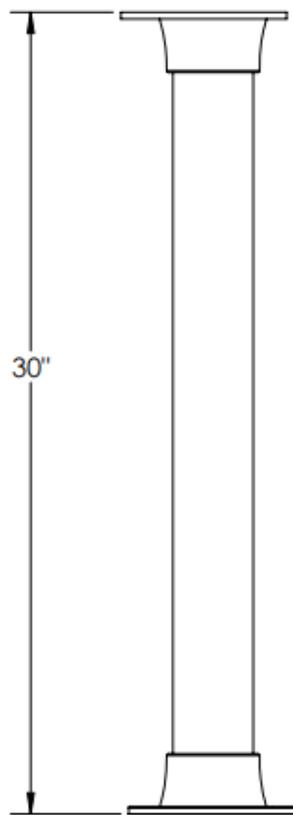
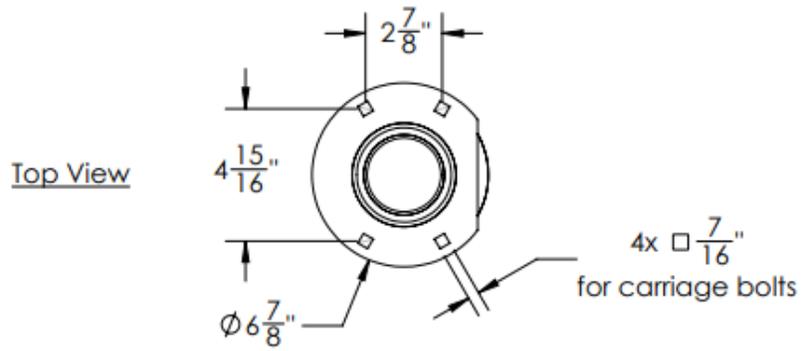
Please read and understand all instructions. If help is needed or you have questions regarding your product, please call our toll-free number at **1-800-339-2601**.



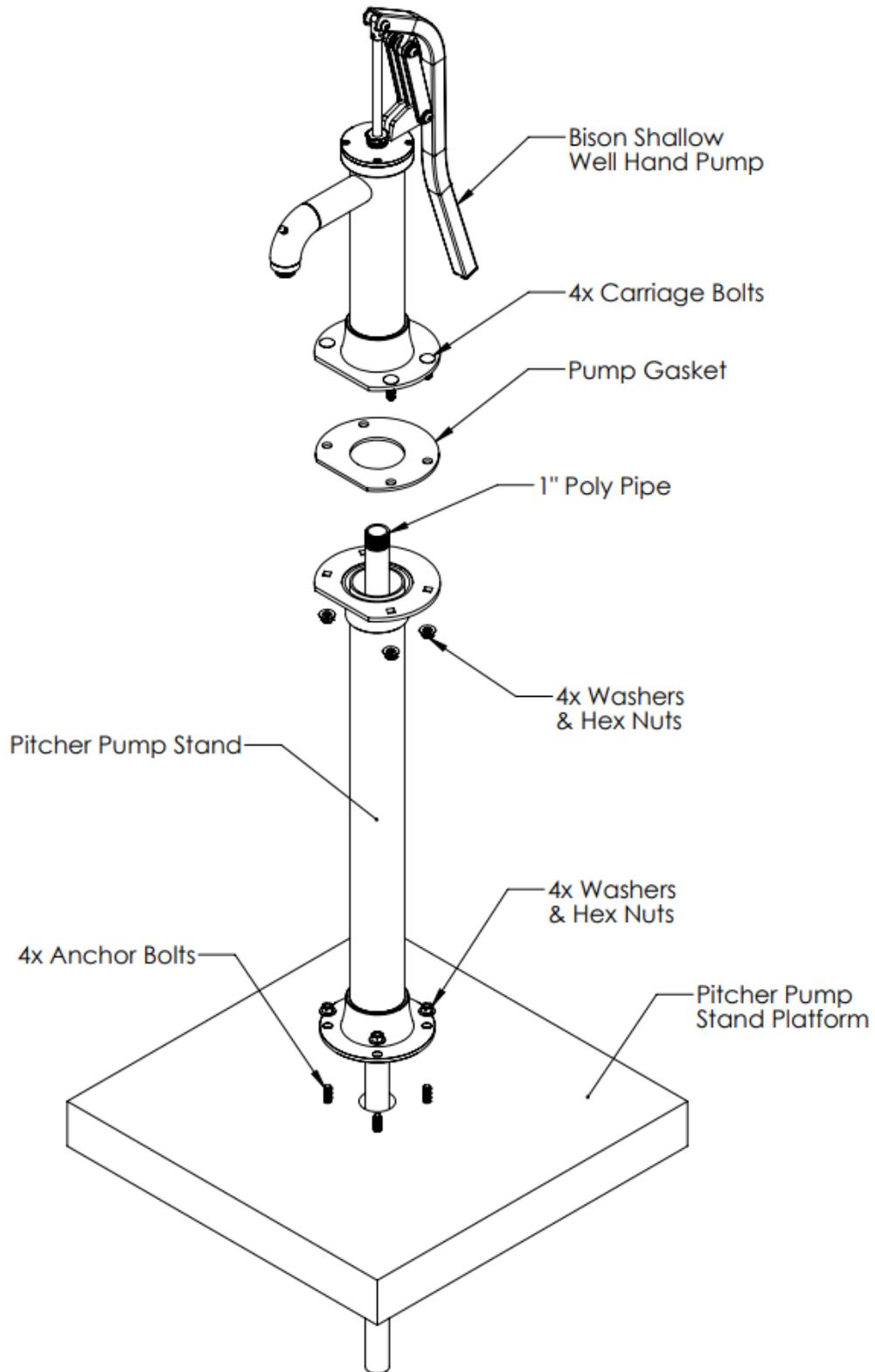
Appendix

BISON PUMPS
The Power of Water in Your Hands

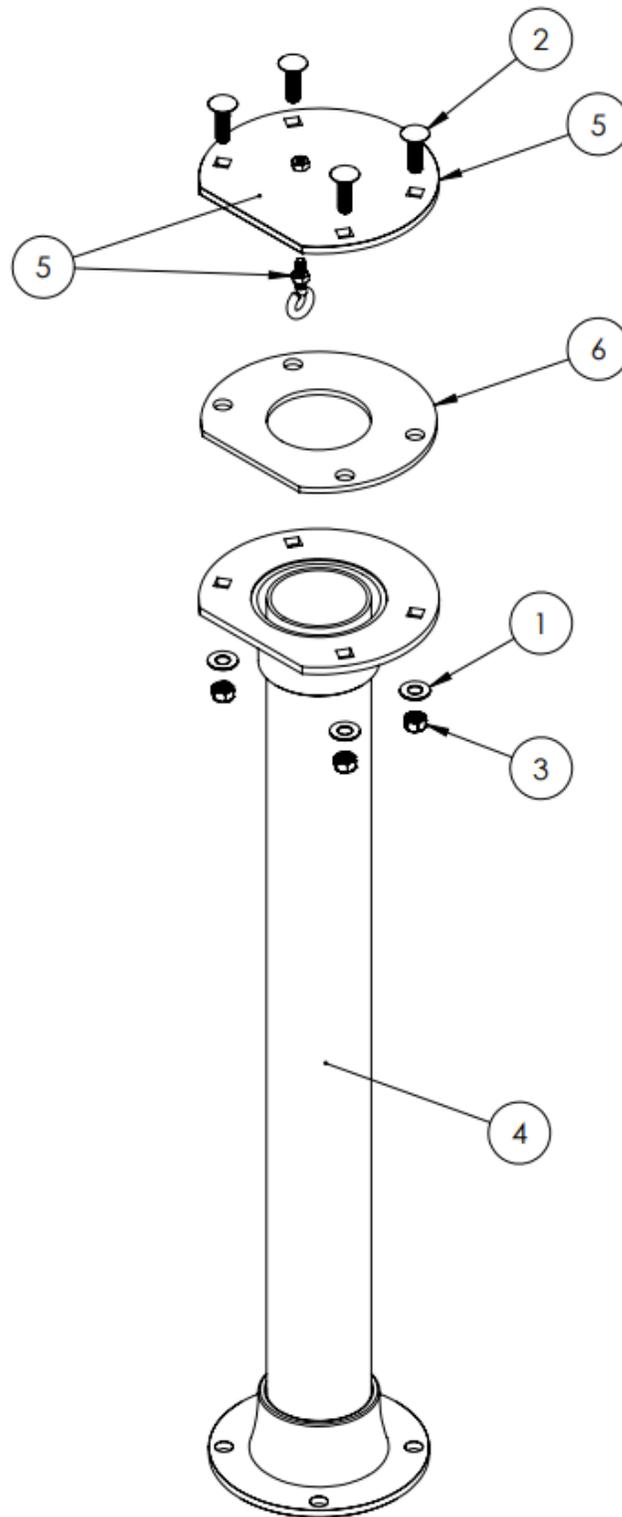
Detail A: Pitcher Pump Stand Dimensions



Detail B: Pitcher Pump Stand Installation



Detail C: Pitcher Pump Stand Exploded View



Detail D: Pitcher Pump Stand Part Listing

Item	Part Number	Description	Quantity
1	04-000-1-40-14	Washer	4
2	04-000-1-54-07	Carriage Bolt	4
3	04-000-1-50-22	Hex Nut	4
4	---	Pitcher Pump Stand	1
5	55-001-0-35-01	Cover Plate Assembly (Optional)	1
6	55-002-0-10-14	Pump Gasket	1



BISON PUMPS
The Power of Water in Your Hands