VEVOR

Affordable. Reliable. Home Improvement.

HAND WATER PUMP

OPERATION MANUAL

VEVOR
Support Center

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Hand Water Pump



MODEL: HC-1005, HC-1006,
HC-1007, HC-1008



MODEL: HC-1009, HC-1010

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

	Warning-To reduce the risk of injury, user must read instructions manual carefully.

WARNINGS AND PERSONAL SAFETY

- Read and follow all safety instructions given in this manual carefully.
- Do not allow the pump to freeze. Doing so will void the warranty.
- Only pump water with this pump.
- Inspect the pump for any damages periodically.

INTRODUCTION

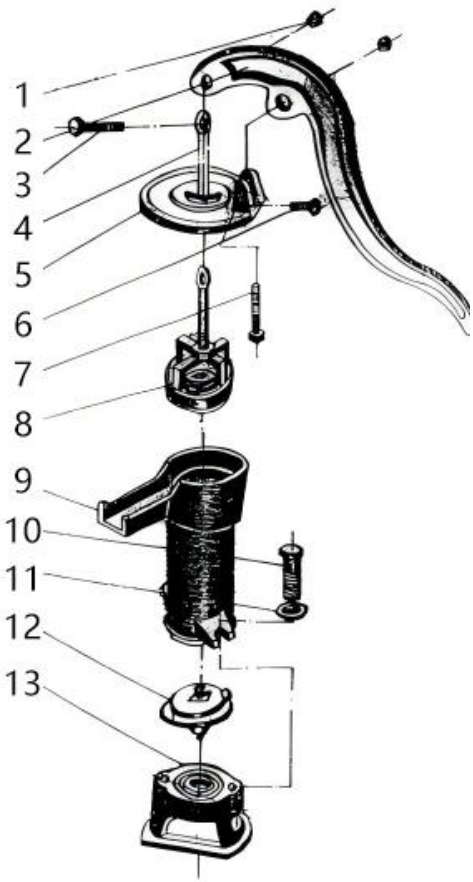
The shallow well hand pitcher pump can be used to pump water from rain barrels or ponds. Pitcher Pumps can also be used as a drinking-water pump to draw water from a well. The water level must be less than 7m from the bottom of the pump. Note: This is where the water is actually being pulled from. It is attached to common plumbing connectors, and it is very easy to install.

SPECIFICATIONS OF THE PRODUCTS

Model	HC-1005 / HC-1006 HC-1007 / HC-1008	HC-1009 / HC-1010
Max suction distance	7.6m (25FT)	6m (20FT)
Bottom internal thread caliber	NPT1-1/4 "	
Base diameter	/	φ185mm
Mounting dimension	Bottom: 3*Φ8mm; Hole distance:148mm	Bottom: 4*Φ12mm; Hole distance:148mm

PARTS INFORMATION

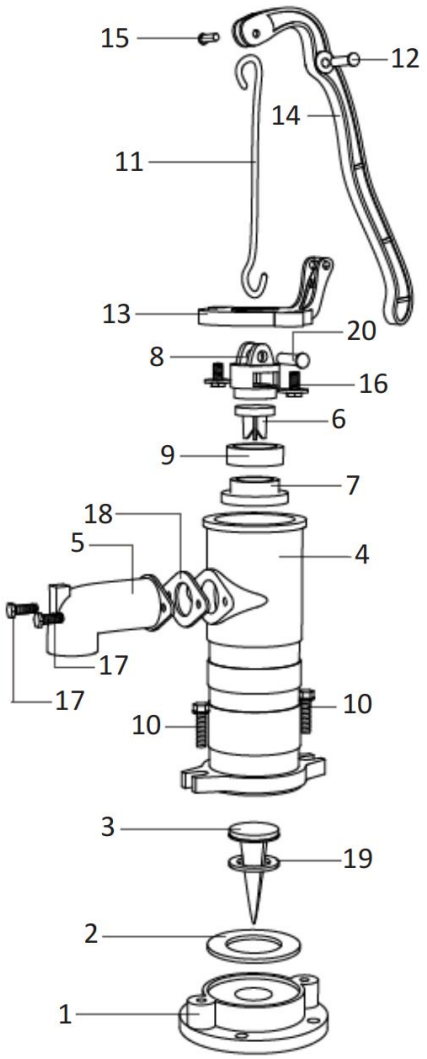
MODEL:HC-1005；HC-1006；HC-1007；HC-1008



Part	Description	Qty
1	Nut M8	2
2	Handle	1
3	Bolt M8×30	1
4	Galvanized rod	1
5	Cover	1
6	Bolt M8×20	1
7	Bolt M8×40	1
8	Piston Assembly	1
9	Cylinder	1
10	Bolt M10×40	2
11	Washer M10	2
12	Valve Assembly	1
13	Base	1

PARTS INFORMATION

MODEL:HC-1009；HC-1010



No.	Designation	Quantity
1	Flange	1
2	Sealing Gasket	1
3	Plug Valve	1
4	Pump body	1
5	Spout	1
6	Plunger Valve	1
7	Cup Leather Holder	1
8	Plunger Valve Cage	1
9	Cup Leather	1
10	Fastening Bolt	2
11	Lift Rod	1
12	Long Pin	1
13	Top Cap	1
14	Handle	1
15	Short Pin	1
16	Fastening Bolt For Top Cap	2
17	Fastening Bolt For Spout	2
18	Spout Gasket	1
19	Plug Valve Gasket	1
20	Short Pin For Plunger Valve Cage	1

Ax1



x2

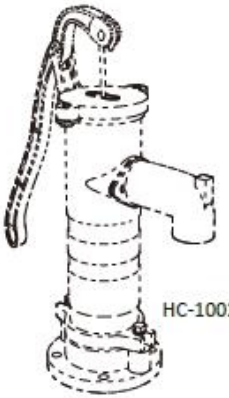


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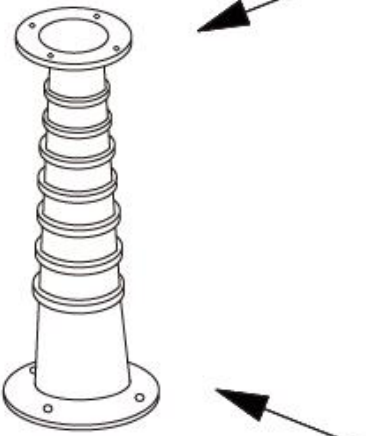
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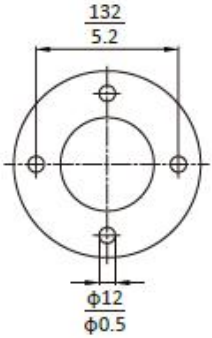
x2

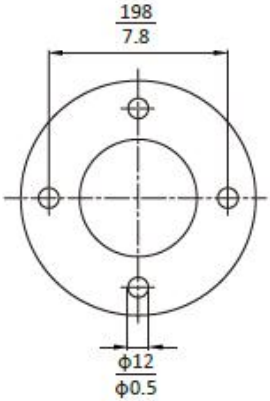
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HC-1002 +HC-1004







ASSEMBLY / OPERATION

1. To adjust the handle direction, loosen the bolt on the top of the water pump. Turn the handle to the desired direction, and then tighten the fixing bolt. See Figure 2-1

2. Place the gasket on the outlet pipe, and then secure the outlet pipe to the pump with short bolts. See Figure 2-2

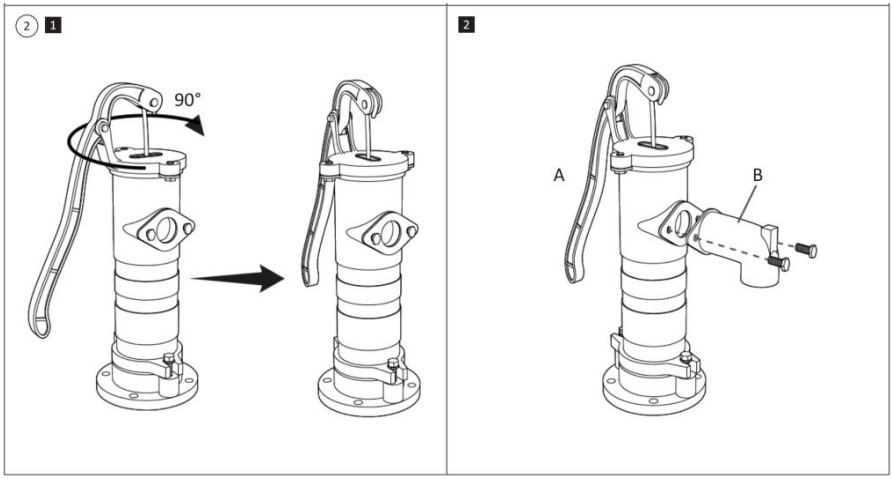
Note: Missing gaskets and bolts are not tightened, which may cause water leakage.

3. To increase the installation height of the water pump, use long bolts to secure the water pump to the water pump support. See Figure 3

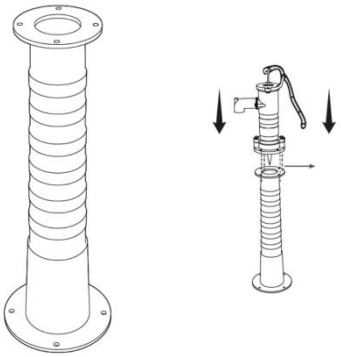
Note: Pump brackets need to be purchased separately.

4. Screw the suction pipe with G1-5/8" connector to the bottom of the pump.

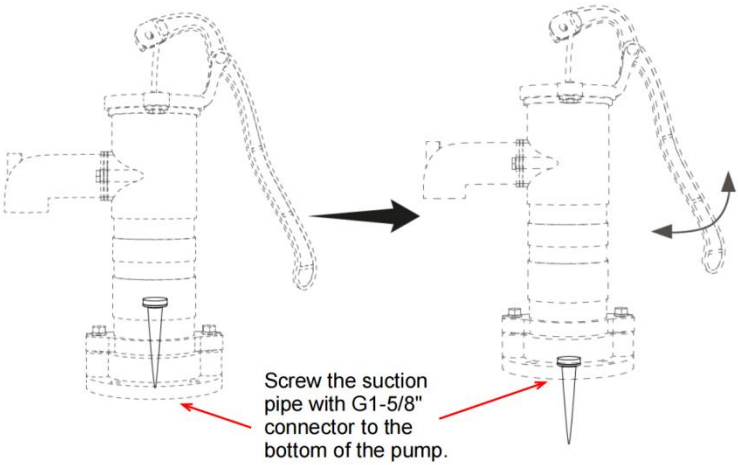
Note: The joint should be wrapped with waterproof tape to avoid affecting the normal pumping of the pump.



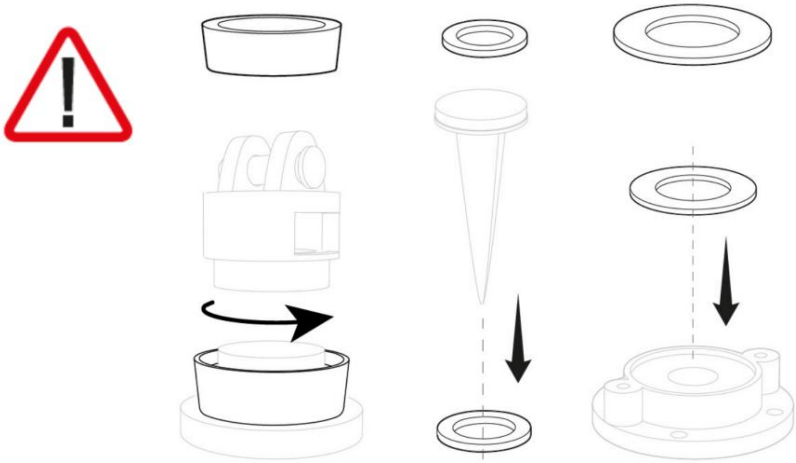
3



4


Screw the suction pipe with G1-5/8" connector to the bottom of the pump.

5



OPERATION GUIDE

Drop-Pipe Installation

- You will need 1-1/4" inch steel pipe with threads or 1-1/4" inch PVC pipe with a 1-1/4" inch male adapter..
- Fasten a drop-pipe to the bottom of the pump. Note: The drop-pipe should be the same size as the connection on the pump.
- The drop-pipe should be submerged at least 1.5m.
- Tighten the drop-pipe enough to prevent leaks. NOTE: Any small leaks can prevent the pump from priming.

Sealing Pipe Joints

- Thread tape or a good quality thread sealant should be used on all pipe threads. NOTE: Do not use thread tape with PVC pipe.
- Use only thread tape or Teflon-based joint compounds for connecting metal to metal on the pump itself.
- Make sure that all pipe joints in the suction pipe are airtight as well as watertight.
- If the suction pipe draws air, the pump will not be able to pull water from the well.

Priming The Pump

- Do not operate the pump if it is dry. Operating the pump without water may damage the leather cup.
- Always fill the pump with water before starting the pump.
- To prime the pump, pour water on the top of the pitcher pump until it runs out of the spout.
- Wait 5 minutes until the cup leather swells enough to make contact with the pump wall.
- Raise and lower the handle in short strokes until the suction pipe fills with water. (NOTE: Any leak on the suction side will prevent the pump from priming.)

Freezing Protection

- During frost or cold weather, the plug valve gasket (19) and the cup leather (9) may freeze to the pump.

- body. If you start pumping while the parts are frozen, these two pieces may tear, damaging the pump.
- You can protect the pump against freezing by keeping the handle in the ‘upward’ position. That way, the pitcher pump will self-drain.

TROUBLE SHOOTING

If your pump does not pump:

- Open the pump and make sure the sealing gasket (2) is not broken. Ensure it is centred over the hole.
- Make sure the cup leather (9) and the gaskets are not damaged.
- Reassemble the body and ensure the bolts are tightened enough to prevent air from entering the base.
- Check for leaks around the joints. Tighten clamps or add thread tape as needed. Replace defective fasteners.
- Make sure the pipe end is submerged in the water.
- Use plenty of clean water when priming. The cup leather (9) will expand as it absorbs water. Let the cup leather absorb water for a few hours and try again.
- Make sure you are not trying to lift water more than 6m. Note: It must be measured from the water surface to the spout.
- At higher elevations, the depth of the water to be pumped is reduced. At sea level and under ideal conditions, this pump will lift to a maximum of about 7m.

MAINTENANCE

See image 5

Note: Please refer to the maintenance section.

Replacing The Cup Leather

1. Loosen the fastening bolt of the top cap (16) and lift the plunger assembly out of the pump.
2. Unscrew the cup leather holder (7).
3. Remove the old cup leather (9) and put a new cup leather.

4. Screw the cup leather holder (7) back into the original position.
5. Reinstall the plunger assembly and top cap (13).
6. Insert the fastening bolt (16) and tighten it.

Replacing The Plug Valve Gasket And The Sealing Gasket

1. Unscrew the fastening bolt (10) and remove the pump body (4) from the flange (1).
2. Take out the plug valve (3), remove the old plug valve gasket (19) from the plug valve and then put a new
plug valve gasket.
3. Remove the old sealing gasket (2) from the flange (1) and replace it with a new sealing gasket on the
flange. NOTE: Before placing the new sealing gasket on the flange (1), clean the flange by removing dirt/
debris that could be left in it.
4. Place the plug valve (3) back into the original position.
5. Reattach the pump body (4) to the flange (1) by tightening the fastening bolt (10).

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