Chilipepper CP9000
Installation Instructions

READ BEFORE INSTALLING:

* The Chilipepper is not designed to be connected with rigid piping like copper or galvanized pipes. *Flexible hoses MUST be used.
* The Chilipepper fittings are designed for flexible hoses that have a rubber gasket to make a water-tight seal.
* Do not use putty/pipe dope on the fittings for the Chilipepper.
* Teflon tape is ok, IF USED CORRECTLY, and the Teflon tape does not get inside the pump head.

WARNING: Risk of electric shock. This pump is supplied with a grounding conductor and a grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a properly grounded grounding-type receptacle.

**Package Contents**
The Chilipepper Appliance
Remote Key Fob
Brass Fitting with Temperature Sensor
White Washer for Brass Fitting
2 - Brass “T” Fittings
Hex Adjusting Tool
Screw Driver for Adjusting Temperature Setting & Remote Codes

**Items Needed to Install the Chilipepper**
110 Volt Outlet
Two Braided type hoses:
  - 3/8" Comp x 1/2" FIP
  - Wrench for the hoses

Helpful troubleshooting tips are at the back of this booklet.
**STEP ONE**

_Curriculum the Brass Fitting and Sensor Cable_

First insert the white washer into the brass fitting and thread onto the cold water outlet (the tall fitting on the pump head). Teflon tape is not needed. The white washer in the brass fitting will make a good seal. DO NOT USE PUTTY/PIPE DOPE.

Next, insert the male connector on the end of the white sensor cable into the base of the Chilipepper. The male connector will only go into the circuit one way. Normally the two raised ridges on the male connector will be in the up position. The male connector will then slide into its connection smoothly. If it does not, recheck that it is positioned correctly. Do Not Force the connection.

**PLEASE NOTE:**
- There may be some water in the pump head due to our water testing of the units.
- The Brass Fitting with the Temperature Sensor is packaged separately to avoid damage to the White Sensor Cable and Male Connector that plugs into the circuit.
**STEP TWO**  
*Under the Sink*

1. Turn off the Hot and Cold water shut-off valves under the sink that supply water to the sink fixture. (Fig 1)
2. Open the faucet to relieve any system pressure.
3. Disconnect the existing hoses from both shut-off valves.
4. Connect the brass T's to the shut-off valves. (Fig 2)

(Most homes have 3/8 in. compression fittings on the shut-off valves. If the thread size is different a brass adapter will be needed.)

5. Inspect the rubber washers in the two existing hoses to make sure they can be reused and then connect them to the brass T's. (Fig 3)
6. Connect two new hoses to the Chilipepper. (Fig 4)
7. Connect the remaining ends of the hoses to the brass T's, making sure the hoses go to the correct Hot or Cold supply. (Fig 4 & Fig 6)
**STEP THREE**  
*Priming the Pump*

*Priming* and *Removing* all the air from the water lines and the pump is the most important step that can be done to insure a long life for the Chilipepper. The Chilipepper is a very high speed, powerful pump and running it for any length of time without water will either damage the shaft seal or the pump head, resulting in a water leak and will VOID THE WARRANTY.

**NOTE:** *These priming instructions are intended for use with the installation procedure in this booklet. Alternate instructions for installation with a standard recirculation system are available on our website. When priming the pump with an alternate installation, be sure to look and listen to the pump. You should be able to see and hear the water flowing through the pump.*

**PRIMING THE PUMP**

UNDER THE SINK at the water supply valves:

Keep or turn **OFF** the **COLD** water valve and turn **ON** the **HOT** water valve.

Now, turn **ON** the **COLD** water fixture at the sink.

**LOOK and LISTEN.** When the air is removed from the water lines you should see and hear water running through the pump head.

Finally turn **ON** the **COLD** water supply valve UNDER THE SINK.

**Double Check to Make Sure the Valves are Fully Open**

Check All Connections and Fittings for leaks.

*An old plumber’s trick is to place a clean newspaper under the connection after the installation. If there’s a leak it will be easy to find.*

Plug the Chilipepper into the electrical outlet.

*Before activating the Chilipepper for the first time, turn the hot and cold water faucets ON with a low flow and then press the button for the Chilipepper. This will remove any remaining air from the lines and finish the priming of the pump.*
STEP FOUR
Using the Remote

The Remote Key Fob is pre-set to operate the Chilipepper unit and is ready to use once the pump is installed. Key Fob styles and colors may vary. Some styles may have a cover over the button. To access the button simply slide the cover open.

After a final inspection for leaks, the Chilipepper can be put into the plastic container.

The Chilipepper and plastic container can also be put into the foam box with the foam lid if desired. This can help to lessen the operating sound of the pump.

Temperature and Remote Code Adjustment

On the side of the Chilipepper there are two round openings (Fig 9). Inside the top opening is a Sensitivity Adjustment. The adjustment can be done with the included screwdriver or any small flat-head screwdriver.

Turning the sensitivity adjustment clockwise (#4 maximum) increases the distance the hot water travels and will result in hotter water at the faucet. This may cause some warm water to enter the cold water line for a few feet but the warm water will be removed when the faucet is used.

Turning the Sensitivity counter-clockwise (#1 minimum) reduces the distance the hot water travels, resulting in cooler hot water.

The lower opening is the Remote Code Setting Adjustment. Match the arrow next to the slot to the correct code number on the dial. The code setting has to match the Key Fob Remote Transmitter being used. The Chilipepper will be packaged with the Key Fob Code preset.

The White key-fob is normally Code 1. The Brown key-fob is normally Code 2.
**CP9000**

*Features and Notes*

1. Built-in Moisture Detector and Alarm which will alert the user of any moisture accumulation in the Chilipepper.
2. If the Chilipepper gets wet for any reason, the alarm will sound and stop the pump from operating.
3. The pump will go into LOCK OUT at 95 degrees and will not turn on again until the temperature drops below 95 degrees at the brass sensor.
4. If the button is pushed while in LOCK OUT, the alarm will beep 2 times.
5. To avoid overheating, the pump has an automatic shutoff feature that allows the pump to run for a maximum of 3 minutes with each activation,
6. The temperature sensor has 4 sensitivity adjustments for your convenience. Setting 1 is the lowest and 4 is the highest.
7. It is not necessary for the faucet to be open when the Chilipepper is in use (except for the first use at installation).

**Trouble Shooting**

*Note:* When working on the plumbing in a home where the Chilipepper is installed it may be necessary to shut the hot or cold valves off at the fixture where the Chilipepper is installed to isolate the hot and cold water lines during the plumbing repairs.

**Press the start button and nothing happens.**

1. Be sure there is electricity at the outlet. Sometimes the disposal outlet has only one of the two receptacles wired to the switch, and sometimes the whole outlet is wired to the switch. To test this, try running an extension cord from another outlet and see if the Chilipepper starts.
2. Check the Sensor Cable. If it is not inserted properly it will not make a good connection and the Chilipepper may not start.

**Press the start button and hear 2 beeps but the water is not hot.**

Check that the sensor is firmly seated in its connection at the base of the unit. Wait ½ hour and try again. Sometimes the sensor detects latent heat from being handled.
The Chilipepper runs but hot water doesn’t reach the sink, or takes longer than without the Chilipepper.
Make sure that both supply valves under the sink are fully open. Check that the hot and cold lines are connected correctly – the taller outlet with the brass fitting is for the cold line and the shorter inlet in the center is for the hot water. Check the temperature adjustment setting. If the water is warm but not hot enough, adjust the dial clockwise to increase the temperature.

Hot water is in my cold line when the Chilipepper has not been operating.
There are 3 reasons for this to happen:
1. The spring check valve is dirty.
2. There's an exterior hose bib or sprinkler line very close to where the Chilipepper is installed.
3. The Chilipepper is much higher than the water heater.

The first thing to do in all cases is to clean and inspect the check valve for dirt, Teflon tape or other object that could stop the rubber check valve from closing. If everything is clean and you have a situation like #2 or #3 above then you may need more pressure on the rubber check valve by using the Hex Adjusting Tool, (Fig 10) Start with one full rotation. This will put more pressure on the spring, requiring more water pressure to open the check valve.

How to clean the spring loaded check valve:
First, Disconnect the Temperature Sensor from the bottom of the Chilipepper. This is done by pulling on the white connector ONLY and wiggling it side to side at the same time. **DO NOT PULL ON THE WIRES**

Next, remove the brass adapter from the cold outlet (Fig 4) of the Chilipepper making sure not to lose the white washer. Remove the threaded retainer with the Hex adjusting tool and remove the spring and rubber Check valve. Check for dirt, sand, etc. and clean. Then replace the check valve, spring, threaded retainer in the same position that you removed, next replace the brass adapter and reconnect the temperature sensor.

If these troubleshooting tips do not resolve the problem, please contact us - we are happy to help: Phone (775) 359-1223 Email: admin@chilipeppersales.com
Refer to our website: www.chilipepperapp.com for Installation Updates, Trouble Shooting Updates, FAQ,'s, Warranties and Service Request Forms.

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