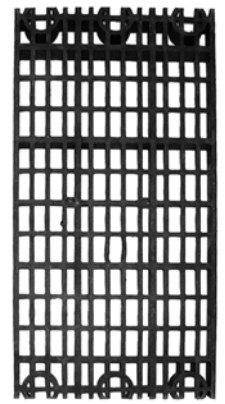




ETERNAL SPRINGS

INSTALLATION INSTRUCTIONS

HARGROVE MANUFACTURING CORPORATION
207 WELLSTON PARK ROAD
SAND SPRINGS OK, 74063
(800) 725-4166
www.hargroveoutdoor.com
www.hargrovegaslogs.com



POND-LESS KITS PARTS LIST

RIGID LINER

KIT - 40R06001

1. R40 - 40" RESERVOIR
4. P0600 - 600 GPH PUMP
5. H16NK - 4' OF 1" NON KINK VINYL HOSE
6. F12MPTN2 - 3/4" MPT 2" NIPPLE
7. V12FPT - 3/4" FPT BALL VALVE
8. F12MPT16B - 3/4" MPT TO 1" BARB

KIT - 40R06002

1. R40 - 40" RESERVOIR
4. P0600 - 600 GPH PUMP
5. H12NK - 4' OF 1" NON KINK HOSE (QTY 2)
6. F12MPTN2 - 3/4" MPT 2" NIPPLE (QTY 3)
7. V12FPT - BALL VALVE 3/4" FPT (QTY 2)
8. F12MPT16B - 3/4" MPT TO 1" BARB (QTY 2)
9. F12FPTTEE - 3/4" FPT TEE

KIT - 48R10501

1. R48 - 48" RESERVOIR
4. P1050 - 1050 GPH PUMP
5. H16NK - 4' OF 1" NON KINK VINYL HOSE
6. F12MPTN2 - 3/4" MPT 2" NIPPLE
7. V12FPT - 3/4" FPT BALL VALVE
8. F12MPT16B - 3/4" MPT TO 1" BARB

KIT - 48R10502

1. R48 - 48" RESERVOIR
4. P1050 - 1050 GPH PUMP
5. H12NK - 4' OF 1" NON KINK HOSE (QTY 2)
6. F12MPTN2 - 3/4" MPT 2" NIPPLE (QTY 3)
7. V12FPT - BALL VALVE 3/4" FPT (QTY 2)
8. F12MPT16B - 3/4" MPT TO 1" BARB (QTY 2)
9. F12FPTTEE - 3/4" FPT TEE

KIT - 48R10503

1. R48 - 48" RESERVOIR
4. P1050 - 1050 GPH PUMP
5. H12NK - 4' OF 1" NON KINK HOSE (QTY 3)
6. F12MPTN2 - 3/4" MPT 2" NIPPLE (QTY 5)
7. V12FPT - BALL VALVE 3/4" FPT (QTY 3)
8. F12MPT16B - 3/4" MPT TO 1" BARB (QTY 3)
9. F12FPTTEE - 3/4" FPT TEE (QTY 2)

SOFT LINER

KIT - 48L06001

2. L8X10 - 8' BY 10' LINER
3. G48 - 2' BY 4' PLASTIC GRATES (QTY 2)
4. P0600 - 600 GPH PUMP
5. H16NK - 4' OF 1" NON KINK VINYL HOSE
6. F12MPTN2 - 3/4" MPT 2" NIPPLE
7. V12FPT - 3/4" FPT BALL VALVE
8. F12MPT16B - 3/4" MPT TO 1" BARB

KIT - 48L10503

2. L8X10 - 8' BY 10' LINER
3. G48 - 2' BY 4' PLASTIC GRATES (QTY 2)
4. P1050 - 1050 GPH PUMP
5. H16NK - 4' OF 1" NON KINK VINYL HOSE (QTY 3)
6. F12MPTN2 - 3/4" MPT 2" NIPPLE (QTY 5)
7. V12FPT - 3/4" FPT BALL VALVE (QTY 3)
8. F12MPT16B - 3/4" MPT TO 1" BARB (QTY 3)
9. F12FPTTEE - 3/4" FPT TEE (QTY 2)

PUMP KITS PARTS LIST

KIT - 06001

4. P0600 – 600 GPH PUMP
5. H16NK – 4' OF 1" NON KINK VINYL HOSE
6. F12MPTN2 – 3/4" MPT 2" NIPPLE
7. V12FPT – 3/4" FPT BALL VALVE
8. F12MPT16B – 3/4" MPT TO 1" BARB

KIT - 06002

4. P0600 – 600 GPH PUMP
5. H12NK – 4' OF 1" NON KINK HOSE (QTY 2)
6. F12MPTN2 – 3/4" MPT 2" NIPPLE (QTY 3)
7. V12FPT – BALL VALVE 3/4" FPT (QTY 2)
8. F12MPT16B – 3/4" MPT TO 1" BARB (QTY 2)
9. F12FPTTEE – 3/4" FPT TEE

KIT - 10501

4. P1050 – 1050 GPH PUMP
5. H16NK – 4' OF 1" NON KINK VINYL HOSE
6. F12MPTN2 – 3/4" MPT 2" NIPPLE
7. V12FPT – 3/4" FPT BALL VALVE
8. F12MPT16B – 3/4" MPT TO 1" BARB

KIT - 10502

4. P1050 – 1050 GPH PUMP
5. H12NK – 4' OF 1" NON KINK HOSE (QTY 2)
6. F12MPTN2 – 3/4" MPT 2" NIPPLE (QTY 3)
7. V12FPT – BALL VALVE 3/4" FPT (QTY 2)
8. F12MPT16B – 3/4" MPT TO 1" BARB (QTY 2)
9. F12FPTTEE – 3/4" FPT TEE

KIT - 10503

4. P1050 – 1050 GPH PUMP
5. H12NK – 4' OF 1" NON KINK HOSE (QTY 3)
6. F12MPTN2 – 3/4" MPT 2" NIPPLE (QTY 5)
7. V12FPT – BALL VALVE 3/4" FPT (QTY 3)
8. F12MPT16B – 3/4" MPT TO 1" BARB (QTY 3)
9. F12FPTTEE – 3/4" FPT TEE (QTY 2)

SITE SELECTION

Select an area large enough to accommodate your new fountain kit and any possible water loss due to splash. Vegetation and structure not suitable for excessively wet conditions should not be located near the water fountain due to the possibility of splash. Area must be free of any underground utilities and within 15ft of a GFI outlet (cord length 16')

RIGID LINER



STEP 1

Place the reservoir kit or grating (for soft liner kit) in the desired location and use it as a template to mark the ground. Marker paint works well, or use a shovel to mark the area that needs to be dug.



SOFT LINER



STEP 2

Remove the template from the area and dig a hole for your liner. You will want to position the liner an inch or two higher than the surrounding ground to prevent runoff. For softer soil you may need to dig a 3" deeper hole and filled to the desired depth with sand. This will insure a solid foundation for the liner.



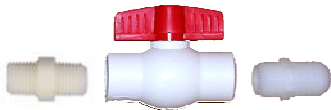
STEP 3

Insert the liner in the hole and use a level to check that it is level front-to-back and side-to-side. If it is not level adjust with sand. When positioned correctly the top of the reservoir should be an inch or two above ground level. (Below ground level will result in dirty water) Use removed soil to back-fill and pack around the liner.



STEP 4

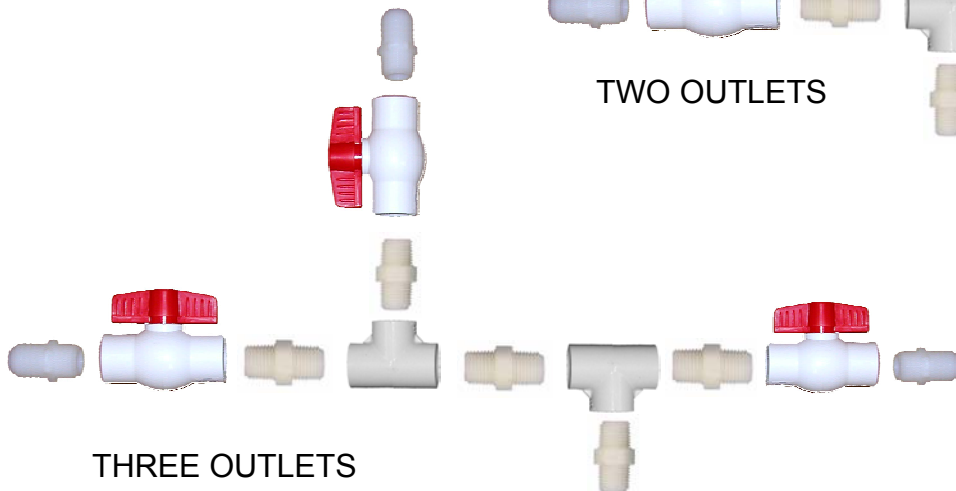
Depending on the installation (number of outlets) build the pump hose assembly to match the diagram shown.



ONE OUTLET



TWO OUTLETS

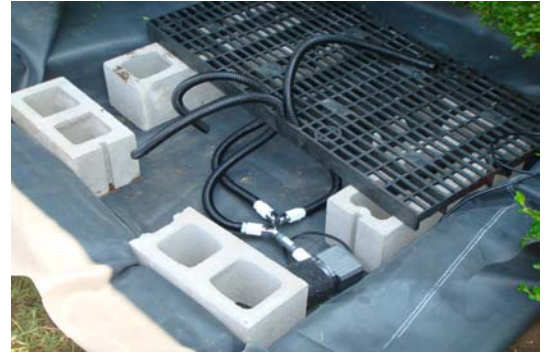


THREE OUTLETS



STEP 5

Insert the assembly into the reservoir. Keep in mind the pump may need to be accessible at various times such as adjusting flow outputs of the bubbler. Make sure to guide the cord out of the liner to nearest GFI outlet. For more pump information see instructions included with pump kit.



STEP 6

Install grating panel and pull hoses through the section of the grating in which the bubbler rock will sit. It may be necessary to cut a rib of the grating to get hoses through. Install the last section of the grate. (Be aware of the pump cord, the grating should not rest on the cord.)



STEP 7

Now connect the parts that came with the bubbler rock and install them on the non-kink hose.



STEP 8

Install rock on grating by leaning the rock over and sliding the slip fitting over the PVC (at this low of pressure PVC cement is not needed). Fill liner with water and plug in pump to a GFI outlet with a weather cover. Adjust the ball valves to get the desired water flow from the bubbler rock. Check the flow of water over the rock and determine that most of the splash from the rock is being caught by the liner. If not adjust water flow using the ball valves or shimming the rock. The water level will have to be monitored periodically; damage to pump due to inadequate water level is not covered under the pump warranty.





STEP 9

Now that all adjustments have been made the fountain is now ready for landscaping. Place crushed stone or rock on grating and landscape as desired.

MAINTENANCE

WINTERIZATION

In colder climates where temperatures can reach below 32 degrees Fahrenheit it is recommended that all water be removed from the fountain kit. Also, remove the water pump, by disconnecting the union joint, and store in temperature-controlled atmosphere above freezing.

LINER

Check and adjust water level periodically, keeping the water level at or near the bottom of grating and no lower than your water pump inlet. Also, remove any dirt, rock or debris from inside the fountain base that may cause damage to the water pump or flexible hose.

PUMP

The pump is a magnetically driven centrifugal water pump. It has no seals to wear and contains no oil. All electrical components are encapsulated in epoxy. The energy used is approximately ½ of regular driven pumps. The pre-filter is provided for use in situations where deposits in the water could clog or damage the pump. For more detailed information see instructions included with pump.

PRECAUTIONS

Always use a properly grounded outlet. Do not immerse plug in water. **DO NOT REACH INTO WATER TO REMOVE PLUG. TURN OFF CIRCUIT FIRST.** The National Electric Code requires that ground fault circuit interrupter (GFCI) be installed in the branch circuit supplying fountain or pond equipment. **NEVER REMOVE GROUND PIN FROM ELECTRICAL PLUG. WARNING: FOR YOUR PROTECTION ALWAYS UNPLUG THE PUMP UNIT FROM ITS POWER SOURCE BEFORE INSTALLING OR SERVICING. SHOULD THE UNIT APPEAR TO BE NOT WORKING DO NOT REACH, REMOVE, OR DISASSEMBLE BEFORE YOU DISCONNECT POWER.**