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FT-270 Monteros in Basin Fountain Assembly Instructions

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Fountain Information:

- Professional installation is recommended for this fountain!
- This fountain holds approximately 240 gallons of water.
- This fountain uses a medium fountain cover, but does not cover basin: FTNCOV-MED
- Compatible with #10 Refill Device and LED kit

Pump Information:

OEMPP800 - 800 GPH Pump (16 ft. cord length)



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Tools Required:

Bubble Level
Screwdriver



Fountain Components			
Image	Item Description	Component Item #	Quantity
	Round 7.5' Fiberglass Ftn. Basin	FGB-2020	1
	Newport Ftn. - Coping	FT-124K	8
	Monteros Ftn. - Finial	FT-269A	1
	Monteros Ftn. - Small Bowl	FT-269B	1
	Monteros Ftn. - Small Pedestal	FT-269C	1
	Monteros Ftn. - Small Access Door	FT-269D	1
	Monteros Ftn. - Medium Bowl	FT-269E	1
	Monteros Ftn. - Medium Pedestal	FT-269F	1
	Monteros Ftn. - Medium Access Door	FT-269G	1
	Monteros Ftn. - Base	FT-269H	1
	Monteros Ftn. - Large Access Door	FT-269I	1
	Monteros Urn	P-711	1

Pump Kit Parts List		
Image	Component	Quantity
	PK800 Pump	2
	#10 Stopper with double hole	1
#7 Drain Stopper with wing nut"/>	#7 Drain Stopper with wing nut	2
n/a	Metal plug for hole in side of basin (already installed in basin)	1
	Approx. 2" length of 3/4" clear vinyl tubing	2
	Approx. 2" length of 5/8" clear vinyl tubing	2
	Approx. 72" length of 1/2" black non-kink tubing	2
	Approx. 18" length of 1/2" black non-kink tubing	1
	Approx. 13.5" length of 1.5" PVC Standpipe	1
	Rubber band	1
	Wedges	22
	2.8 oz. tube of silicone	1
	Wood Spacers for Installation	8
	Hose Clamps	5

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Professional installation is recommended for this fountain!

Assemble your fountain on a level surface using crushed stone, gravel, or cement pad as the base.

Fountain Set-Up:

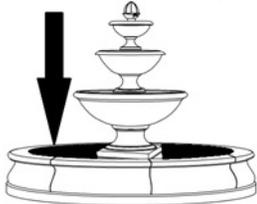
Assembly & Installation - A fountain can be difficult to install without knowing and understanding the steps involved. To ensure your fountain is installed properly, please read our instructions and tips before you begin.

- Step 1 - Seek Professional Help:** Check if professional installation is recommended for your fountain.
- Step 2 - Check Foundation:** Place your fountain on a level surface. It is recommended to place your fountain on concrete or a hard packed gravel pad. If the base is level but some components seem off, rotate components or use wedges to level them.
- Step 3 - Create a Drip Loop:** To prevent water from dripping down the cord and damaging the electrical socket, create a drip loop by allowing the pump power cord to fall below the wall outlet.
- Step 4 - Use a GFCI Outlet:** Use only a GFCI outlet when running a fountain.

Assemble your fountain on a level surface capable of holding a minimum of 3760 lbs with an approximate 75 sq. ft. footprint (approximately 103" Diam.).

Step 1 - Place the fiberglass basin where the fountain is to be installed.

1a - Be sure to check that each part is level and centered during assembly of this fountain.



FGB-2020 (260 lbs)
90"W x 10"H

Step 2 - Spread a thin amount of silicone on both pump cords approximately 3 ft. from the pumps and fit them into the double holed stopper.

Step 3 - Feed the pump cords through the hole in the basin.

Step 4 - To ensure a level installation, make sure that you run the remaining cord through the channel in the bottom of the basin.

Step 5 - Press stopper firmly and evenly into the hole of the basin.

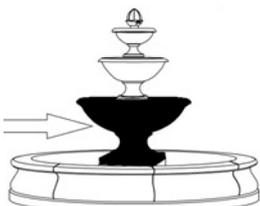
Step 6 - Spread a thin bead of silicone around the perimeter of the stopper, slit in the stopper, and around the pump cords.

Step 7 - Loosely wrap cords up in the center of the basin.



FT-269H (392 lbs)
24"L x 24"W x 15"H

Step 8 - Place the fountain base (FT-269H) over the pumps and the cords.

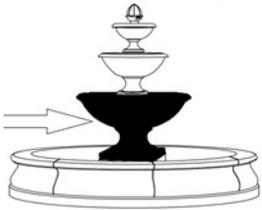


P-711 (535 lbs)
47"W x 26"H

Step 9 - Place the urn (P-711) on top of the base (FT-269H).

Step 10 - Place one of the #7 Drain Stoppers into the small drain hole.

FT-270 Monteros in Basin Fountain Assembly Instructions



P-711 (535 lbs)
47"W x 26"H

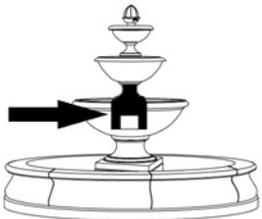
Step 11 - Place the standpipe inside the hole of the urn.

Step 12 - Insert both 72" lengths of 1/2" non-kink tubing through the pipe onto the bottom of the base. Make sure to feed the end with the assembled clear vinyl tubing down into the basin.

Step 13 - Connect the clear vinyl tubing onto the pump water outlets of the pumps.

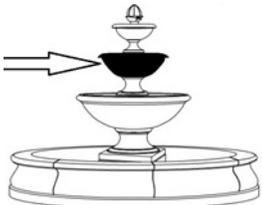
Step 14 - Fold the end of one of the lengths of tubing down over the edge of the standpipe.

Step 15 - Secure the tubing by placing the rubber band over the tubing and pipe so that the tubing opening points down into the bowl.



FT-269F (103 lbs)
13.5"W x 18"H

Step 16 - Insert the remaining tubing coming out of the standpipe up through the pedestal (FT-269F) and place the pedestal over the standpipe in the center of the urn.



FT-269E (94 lbs)
29"W x 19.5"H

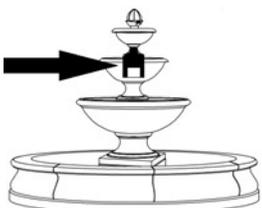
Step 17 - Place a hose clamp over the top end of the tubing and connect that end of the tubing to the bottom of the middle bowl (FT-269E). Tighten the hose clamp to ensure a good seal.

Step 18 - Place the middle bowl down onto the middle pedestal.

Step 19 - Place a hose clamp over one end of the 18" length of 1/2" non-kink tubing.

Step 20 - Connect that end of tubing to the pipe protruding out from the top of the middle bowl (FT-269E). Tighten the hose clamp to ensure a good seal.

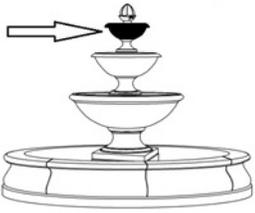
Step 21 - Insert the remaining #7 Drain Stopper into the small drain hole.



FT-269C (35 lbs)
9.25"W x 18.4"H

Step 22 - Feed the other end of the tubing up through the small pedestal (FT-269C) while lowering the pedestal down into the middle bowl (FT-269E).

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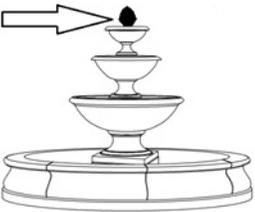


FT-269B (40 lbs)
20.25"W x 17"H

Step 23 - Place a hose clamp over the other end of the 12" length of 1/2" non-kink tubing.

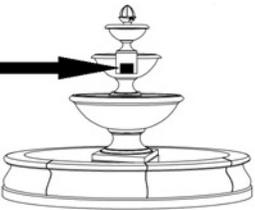
Step 24 - Connect that end of the tubing to the bottom of the small bowl (FT-269B). Tighten the hose clamp to ensure a good seal.

Step 25 - Place the small bowl (FT-269B) on top of the small pedestal (FT-269C).



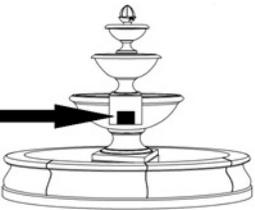
FT-269A (22 lbs)
5.5"W x 12.5"H

Step 26 - Place the finial (FT-269A) in the small bowl (FT-269B) by lowering the hole over the copper pipe protruding from the bowl.



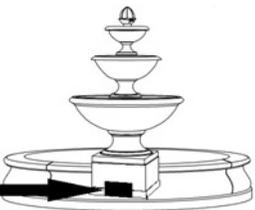
FT-269D (3 lbs)
5"L x 1.5"W x 4.5"H

Step 27 - Cover the small pedestal pump access with the pump cover door (FT-269D).



FT-269G (5 lbs)
6.25"L x 1.5"W x 5.25"H

Step 28 - Cover the medium pedestal pump access with the pump cover door (FT-269G).



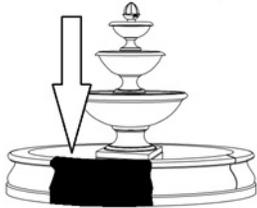
FT-269I (103 lbs)
7.75"L x 1.5"W x 7"H

Step 29 - Cover the base pump access with the pump cover door (FT-269I).

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!! STOP !! - Please watch [video](https://www.youtube.com/watch?v=TI6B9O-JWU0) before installing copings.

<https://www.youtube.com/watch?v=TI6B9O-JWU0>



FT-124K (282 lbs each)
38"L x 9"W x 15"H

Step 30 - Place 1 piece of coping (FT-124K) directly against the fiberglass basin (FGB-2020).

Step 31 - Place 1 wood spacer against the bottom outer edge of the first piece of coping.

31a - Leave about 1" of the space sticking out for easy removal.

Step 32 - Position the second coping against the wood spacer and basin.

Step 33 - Repeat steps 31 and 32 until only 1 piece of coping is not in place. There should be a gap between copings where the inside corners meet.

Step 34 - Insert 1 plastic wedge about 3" from each edge of the 7 copings already installed. (This reduces the gap in the inner circle of the coping).

Step 35 - Carefully push the final piece of coping into place and place the 2 wedges under

35a - Adjust the other copings as needed to form a circle.

Step 36 - Remove the wood spacers.

Step 37 - Let the silicone set for 24 hours before filling the fountain with water.

Maintenance:

Pump Care - The fountain relies heavily on the quality of the pump. A well-maintained pump can last several years.

- Step 1 - Fully submerge:** Ensure the pump is fully submerged at all times to avoid damage.
- Step 2 - Ensure water level is sufficient:** Check water levels regularly as water may evaporate over time, and periodically change water to avoid algae buildup.
- Step 3 - Clean pump:** Use soap and water, or white vinegar and water, with a small, soft brush to clean the pump of debris, dirt, and algae buildup. This should be done every 2-3 months.

Surface Care - Paints and finishes may fade over time due to weathering. By following these tips, you will be able to maintain your fountain's surface.

- Step 1 - Control Algae and White Scale:** Due to water evaporation, you may see white residue on your fountain surface from the mineral content in your water supply. Algaecides and cleansers can help prevent buildup that occurs from minerals and hard water.
- Step 2 - Protect and Refinish:** Depending on the material of your fountain, protectants and sprays may prolong the appearance of the surface. Paint and refinishing kits can be used for touch-up.

Winter Care - Many materials used to produce fountains can expand and contract in different temperatures/humidity levels. If the temperature falls below 32°F or humidity levels change drastically, follow the steps below to protect your fountain.

- Step 1 - Bring inside:** If possible, bring your outdoor fountain inside for the winter.
- Step 2 - Store in dry location:** If unable to bring inside, store your fountain in a dry and covered location.
- Step 3 - Bring components inside:** Move all internal components (stoppers, tubing, lights, pump, etc) inside. *A pump can stay in a fountain for the winter, but if you choose to leave it in, it must be completely dry and insulated with plastic bags and towel to ensure it stays dry. However it is recommended to bring it inside.*
- Step 4 - Completely drain:** It is important to prevent water from accumulating anywhere, as freezing and thawing of water can cause pump damage and cause cracks to form in your fountain. Remove the drain plugs.
- Step 5 - Elevate Fountain:** Fountains may freeze to the ground and cause cracking in the base if left outside in the winter. If unable to store inside or in a dry covered location, try to raise your fountain above ground.
- Step 6 - Cover Fountain:** Make sure to use a breathable material when covering. **DO NOT COVER IN PLASTIC!** Make sure the fountain cover is taut so that no snow or water can pool in the cover. Tie the opening at the bottom of the cover around the fountain.

Troubleshooting:

Pump Not Working - When operating the pump for the first time, it can take a few minutes before water begins to flow properly. If it is still not working after a few minutes, please follow our troubleshooting tips below. **Before troubleshooting, UNPLUG YOUR PUMP.**

- Step 1 - Submerge Pump:** Ensure your pump is fully submerged in water at all times to avoid pump damage.
- Step 2 - Manual Check:** If the pump cover is removable, try removing the cover to access the impeller area. Turn the rotor to ensure it is not broken or jammed.

Pump Noise - Some sound from the pump may be normal, but you can follow these tips to reduce sound or resolve abnormal noises.

- Step 1 - Submerge Pump:** Ensure your pump is fully submerged at all times and clean of debris, dirt and algae buildup.
- Step 2 - Check Location:** You may hear the vibration of the pump touching the side walls of the fountain. Make sure the pump is only touching the bottom.
- Step 3 - Check Flow Rate:** Too low of a flow rate might cause spews or burps.

Water Flow Rate - Some fountains come with a dial or valve to adjust the flow rate, but if you do not have this option or if you are still unsatisfied with your flow rate after changing the settings, check out our tips below.

- Step 1 - Adjust the Water Level:** Insufficient water levels can affect water intake by the pump. Check the fountain instructions to ensure the appropriate water capacity for your fountain.
- Step 2 - Check for Kinks:** Check to make sure the tubing is not kinked. Kinks in the tubing can slow or halt the flow of water.
- Step 3 - Clamp the Hose:** To slow the water flow, try clamping the hose with a hose clamp or zip-tie.

Splashing - Having trouble with splashing? Some splashing is inevitable, especially when you first turn on your fountain, but if you are experiencing excessive splashing, try our troubleshooting tips below.

- Step 1 - Adjust the Water Level:** Ensure the pump is fully submerged, but avoid overfilling your fountain.
- Step 2 - Flow Rate:** If your pump includes a dial or valve to adjust the flow rate, try changing the settings to see if it affects splashing. If your pump is not adjustable, check our Flow Rate section to learn about other ways to change the flow rate.
- Step 3 - Adjust Position:** Try arranging stones or placing a splash guard, at the fountain base. You can also place a screen in the basin.

Leaking - If your fountain is leaking, check these quick tips on how to fix it.

- Step 1 - Adjust the Water Level:** Your fountain may leak if it is too full.
- Step 2 - Check Tubing:** Check that the tubing is attached completely and correctly.
- Step 3 - Check Stopper:** Ensure stopper is completely seated in the fountain. You can also use 100% pure clear silicone to ensure a proper seal is achieved.
- Step 4 - Cracking:** Your fountain may be cracked from improper winter care; see Winter Care in Maintenance Tips.