

# Above Ground Pool Solar Heating System

## PANEL ADD-ON INSTALLATION INSTRUCTIONS

Thank you for choosing the FAFCO above ground pool solar panel add-on kit. When installed and operating properly, your panels will provide you with years of free warmth for your pool. Read the following instructions completely before installing your add-on system.

The following items are included in this kit:

Qty-1 Rubber Coupler

Qty-2 Hose Clamps

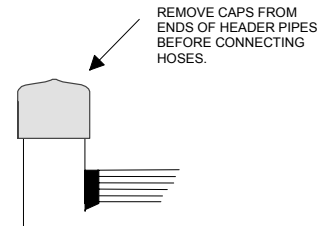
### INSTALLATION

(Refer to diagram on back page)

Lay the box containing the solar system on its side near where you will be making the plumbing connections. Make sure you choose a spot where the panel will be in the sun as much as possible during the day. Afternoon sun is better than morning sun. You will need an area approximately 20 ft x 4 ft in which to lay out the collector.

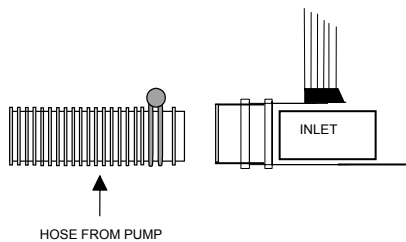
1. Remove the solar heater by opening box from the end, and sliding panel out. Position the rolled up panel so it will unroll into the area you have chosen for the collector.

***Remove and discard the caps that cover the inlet and outlet plumbing on your solar panel. Keep the strap on and the panel rolled up until instructed to unroll it.***



2. Turn off your pool pump. Block the inlet and outlet of your pool using plugs given to you by your pool manufacturer, or a suitable alternative.
- 3.) Remove the hose from your existing panel's outlet fitting. Carefully remove the outlet fitting by turning it counter-clockwise.
- 4.) Remove the new panel's inlet fitting using the same method as above.
- 5.) Place both hose clamps onto the rubber coupler. First slide the rubber coupler onto the outlet of your existing panel. Then, work the inlet side of your new panel into to coupler. (This can be difficult, unless you use a side-to-side motion to completely seat the coupler. Do not use any lubricants.)

- 6.) Position the hose clamps as shown on right, and tighten.
- 7.) Place one of the hose clamps (supplied with your panel) over one of the new hoses that came with your panel, see below. You may need to purchase a longer hose to reach your pool. This can be obtained from your dealer. Push and twist the new hose onto the new panel's "outlet" hose barb. Secure the clamp firmly, but do not over-tighten.



*NOTE: You may need to warm the hose end to make it more pliable. This can be accomplished by placing it in hot water for several seconds.*

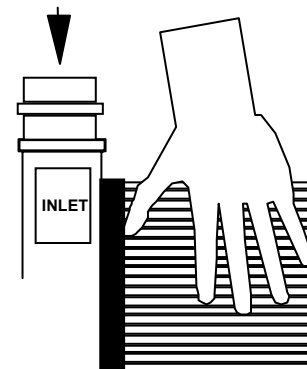
- 8.) Unblock the inlet and outlet of your pool. Turn your pump on and check the hose clamps and plumbing for leaks. If there's a leak, you may have to loosen the clamp, then push the hose further up onto the barb. Then tighten the hose clamps or couplers again. The air that was in the panel will bubble out into your pool for a few minutes, this is normal.

When the bubbles in the pool stop, turn the pump off and release the carrying strap (be sure to save it for future use) from the panel. Now that the panel is free, gently unroll it all the way. Once it is pulled flat, it may try to roll back up when released. If this happens, place a smooth object of no more than 15 pounds on each end of the panel to hold it flat. After 30 minutes or so in the sun the panel will stay flat by itself.

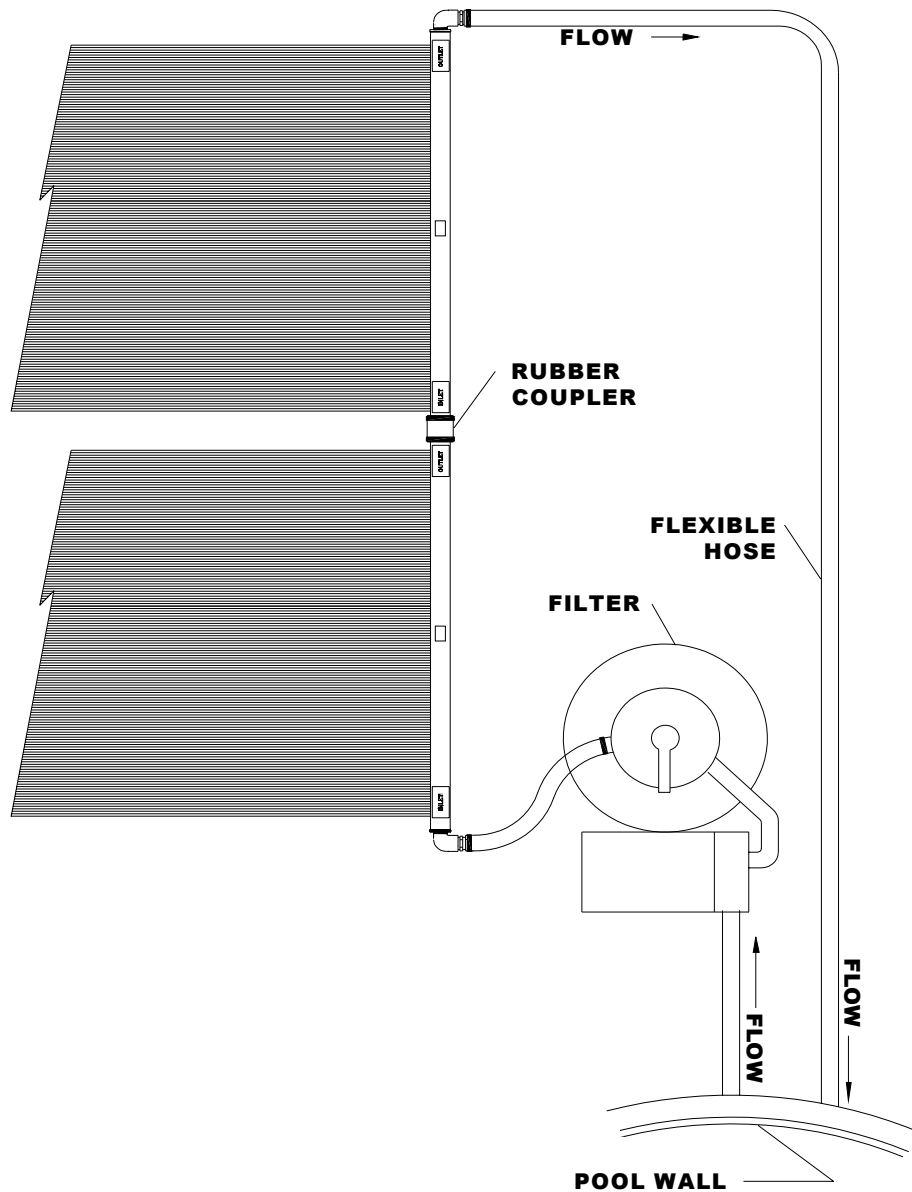
*NOTE: After 15 minutes, feel the surface of the solar panel. It should be quite warm. Turn on the system, wait 10 minutes, and again feel the panel surface. Now it should be much cooler. The difference in temperature is heating your pool.*

**COOL IS HOT!**

When your solar panel is working properly it will feel cool to the touch. This is because the solar energy (heat) is carried away immediately into your pool.



# TYPICAL TWO SYSTEM CONFIGURATION



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