

Manual and Warranty



Making the swimming season last longer

The Fire Place Studio CC CK 2006/007349/23 T/A

The Pool Heating Studio

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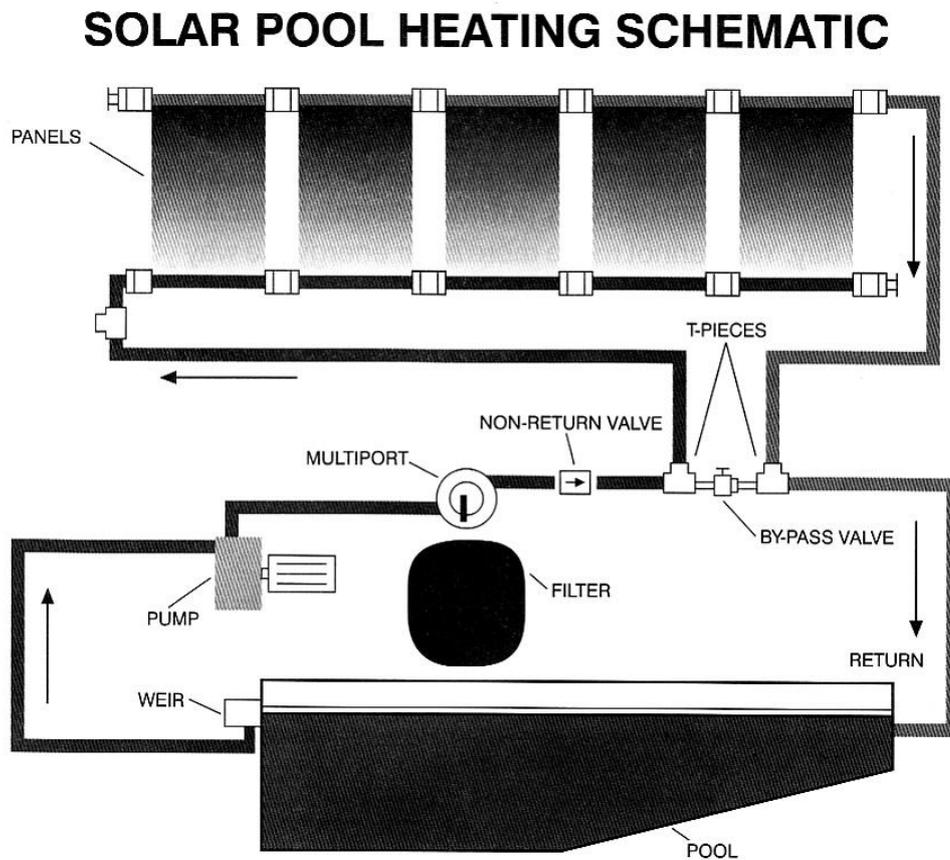
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Water from the pool circulates through a number of panels, generally located on your roof, each 3m x 1.2m wide. The panels absorb heat from the sun and warm the water passing through.

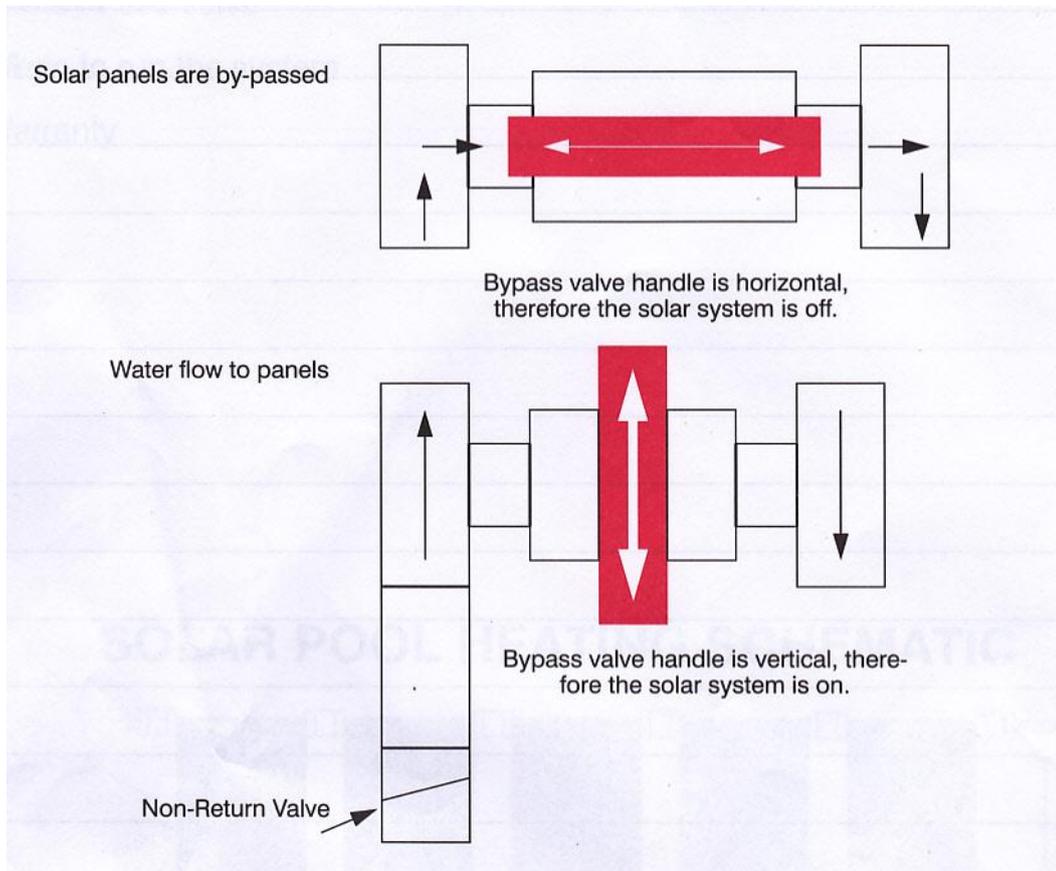
The major advantage of solar heating is that sunshine is free and, once installed, there are no running costs. The only disadvantage is that your pool will only be heated when the sun is shining. Should you wish to increase the performance of your heating system, you could:

- 1) **install a solar blanket to prevent heat loss and evaporation; or**
- 2) **add additional solar panels at minimal cost.**

BYPASS VALVE

When the bypass valve is open, the solar system is off (top). You will note from the diagram that, if the bypass valve is open, the water will take the path of least resistance and will bypass the panels.

When the by-pass valve is closed, the solar system is on (bottom). In this case, the water will flow from the weir through the pump, then through the filter and, finally, through the solar panels, before flowing back into the pool.



HEAT GAIN

The panels have many small tubes through which water flows. The panels absorb heat from the sun and transfer it to cool water in tubes. After passing through the panels, the water flows back into your pool having gained a few degrees of temperature.

The water will need to flow through the panels several times before your pool achieves your desired temperature and, depending on a number of factors, e.g. the weather, the size of your pump relative to the size of your pool and the number of hours the pool filter is on, this may take a few days.

The panels are black for a good reason – black is the best colour for absorbing heat. Unfortunately, black is also good radiator of heat; the panels actually lose heat if water is allowed to flow through the panels during heavy cloud-cover or at night. To get the most out of your system, it is, therefore, important that the panels are only engaged when the sun is shining.

KEY TO YOUR SATISFACTION WITH OUR PRODUCT IS THAT YOU DO NOT RUN YOUR POOL'S WATER THROUGH THE PANELS DURING OVERCAST OR RAINY WEATHER OR DURING THE NIGHT.

During the differing seasons, it will be necessary to adjust the timer on your pump to best capture the fullest quantity of daylight. The following table shows typically successful timer settings for each month in the Western Cape. If there are trees or buildings which cast a shadow onto the panels in the early morning or late afternoon, you may wish to adjust your timer accordingly.

MONTHS	ON	OFF
January & December	08:00	17:30
February & November	08:15	17:15
March & October	08:30	17:00
April & September	09:00	16:30
May & August	09:30	16:00
June & July	10:15	15:15

There will be times when it will not be possible to turn off the timer before it rains, and, as a result, the pool will lose a few degrees of temperature.

Warranty

Your solar panels carry a 10-year warranty and the installation is guaranteed for one year from the date of installation (written below) by The Pool Heating Studio, 109 Main Road, Bergvliet, Cape Town. It is in your interest to keep these details as they may need to be presented in the event of a claim.

Client's name: _____

Installation address: _____

Number of panels installed: _____

Date installed: _____

Installer's name: _____

Client's signature: _____

Installer's signature: _____