

Diverter Kit

for Solar Heating System

Contents:

Qty	Part #	Description
1	SK-FTG-A	Threaded 2 way valve
2	SK-FTG-B	Threaded nipple
2	SK-FTG-C	Threaded tee
4	SK-FTG-D	Threaded combination hose adapter
1	SK-FTG-E	Roll of Teflon tape

Tools Required:

- Flat head screwdriver

Additional parts required:

- Flexible hoses (length dependent on distance from pool to solar panels)
- Metal collars (Hose clamps)

Instructions:

- Turn off your pool pump. Block inlet and outlet of your pool so that the water won't empty when you are connecting your panels.
- Apply Teflon to both ends of Threaded nipples (SK-FTG-B). Thread the nipples into the two-way valve (SK-FTG-A). Do not over tighten.
- Thread the tees (SK-FTG-C) onto each nipple as per Picture 1 above. Do not over tighten.
- Apply Teflon to all four of the combination hose adapters (SK-FTG-D). Thread combination adapters into the tees. Do not over tighten.
- Remove hose from pool inlet (hose between filter and the pool). Connect hose to "From Filter" adapter of diverter kit. See Picture 1. Place metal collar $\frac{1}{4}$ " from edge and tighten collar with screwdriver.
- Take a hose (not supplied) long enough to reach the panel and connect one end to "To Panel Inlet" adapter of diverter kit. See Picture 1. Place metal collar and tighten. Connect other end of the hose to the panel inlet.
- Take another hose (not supplied) and connect it to the panel outlet. Connect other end of hose to "From Panel Outlet" adapter of diverter kit. See Picture 1. Place metal collar and tighten.
- Take the last hose (not supplied) and connect it to "To Pool Inlet" adapter of diverter kit. See Picture 1. Place metal collar and tighten. Connect other end of hose to your pool inlet.
- Make sure the valve in the open position

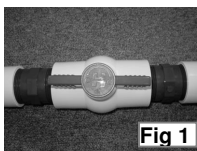


Fig 1

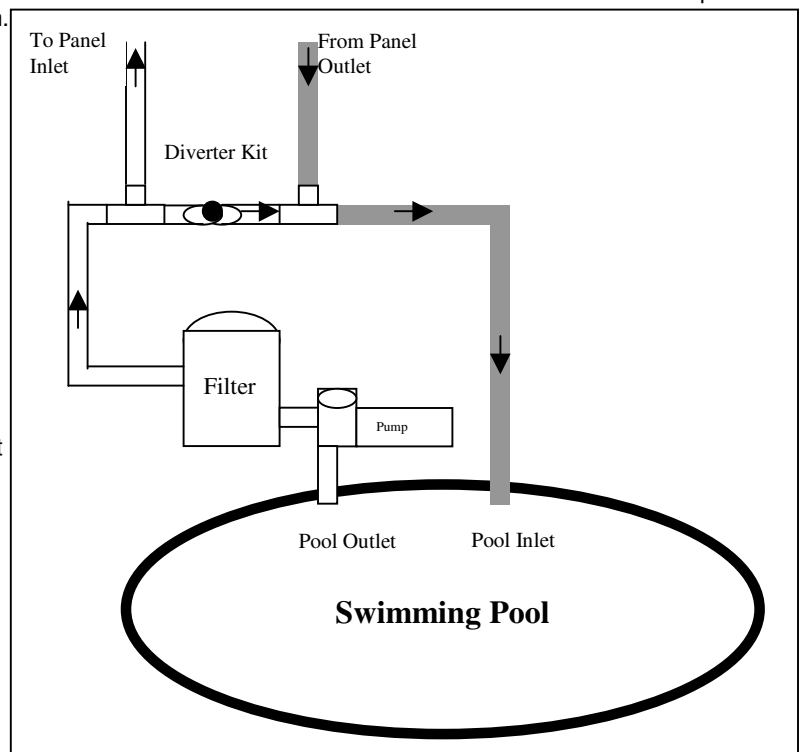
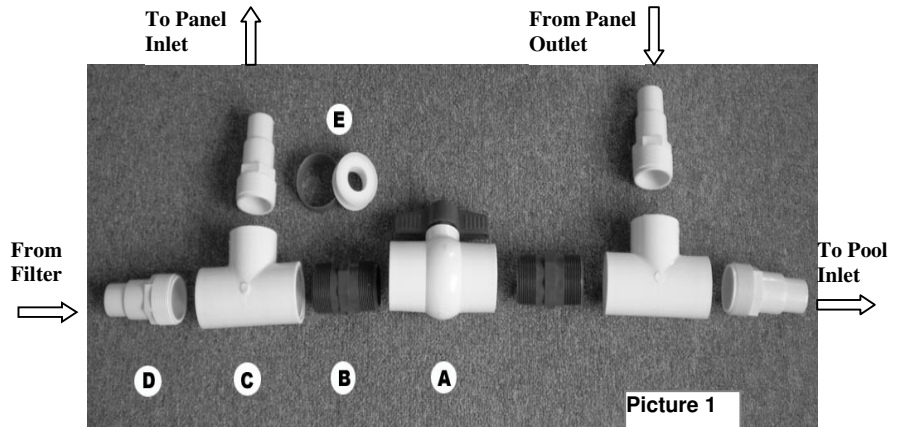
Valve in the open position
Solar heating is OFF
(not heating)



Fig 2

Valve in the closed position
Solar heating is ON
(heating)

- Make sure all hose are connect the correct way and that all collars have been tightened.
- Unblock the inlet and outlet of your pool.
- Turn on your pool pump. Check for any leaks. If any of the threaded fittings leak, remove the fitting and apply more Teflon. If any of the hoses leak at the connection, loosen the collar and push the hose over the fitting and re-tighten the metal collar. You will see air bubbles coming from the pool inlet. This is normal, the air in the hoses is being purged.
- Turn your solar heating system on by turning the two-way valve in the diverter to the closed position. See Fig 1. Once again you will see air bubbles coming from your pool. The system is now purging the air that is in the solar panel(s).



SET

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Made in Canada