



### **Solar Pool Heating Equipment Components:**

- 1. Your Existing Circulation Pump**  
Pushes the water through the solar collectors.
- 2. Your Existing Pool Filter**  
Cleans the pool water and keeps the solar system free from debris.
- 3. Solar Valve and Motorized Actuator**  
Diverts the flow of water to the solar collectors or to the bypass.
- 4. Automatic Solar Control**  
Automatically maintains the desired temperature for your pool or spa.
- 5. Water Temperature Sensor**  
Informs the solar control that the pool/spa either requires more heat or has reached your desired temperature.
- 6. SolarTemperature Sensor (on the roof)**  
Tells the Solar Control when solar energy is available.
- 7. Check Valves (two)**  
Prevents system back flow.
- 8. Vacuum Relief Valve (on the roof)**  
Automatically allows the water in the solar collectors to drain back to the pool daily.
- 9. Gas Heater**
- 10. Pool/spa suction valve**  
Draws Water from the Pool or Spa
- 11. Pool/Spa Return Valve**  
Sends Water to the Pool or spa after passing through the Filter, Solar and Heater

Cold Water From The Pool  
 Warm Water Heated By The Sun  
 Solar Bypass