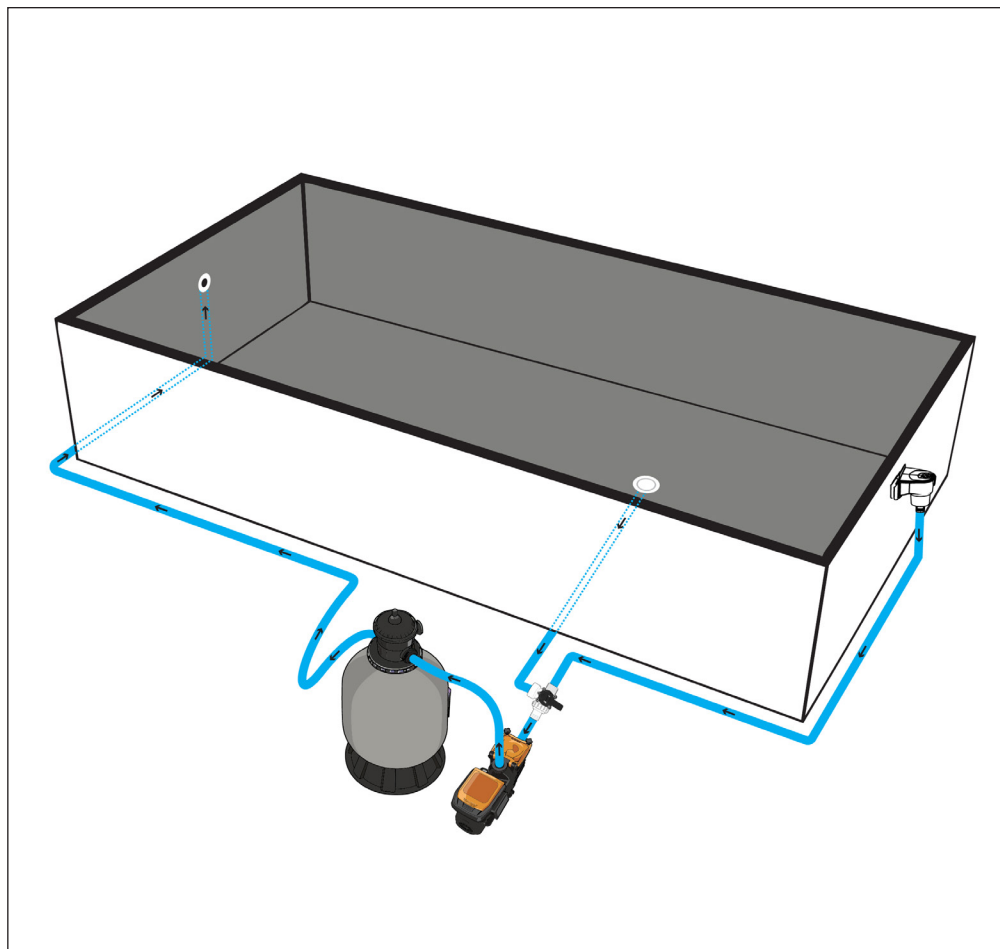


Inground Pool Plumbing

Installation Guide



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WARNING

This equipment must be installed and serviced according to the information found in this manual. Improper installation can create hazards which could result in property damage, serious injury or death. Improper installation will void the warranty.

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01. Install Equipment on a Stable Base

The pump, filter, heat pump, and other equipment must be installed on a flat, solid, and level surface. Avoid installing the equipment directly on unstable ground, grass, or any surface that may settle over time.

02. Follow the Direction of Water Flow

Always follow the arrows and the **IN / OUT, PUMP / RETURN, INLET / OUTLET** markings indicated on the equipment.

03. Check All Connections

Before starting the system, make sure that :

- the hoses are properly inserted ;
- the union fittings are correctly positioned ;
- the gaskets are present and clean ;
- the hose clamps are properly tightened ;
- the hoses are not bent, crushed, or under tension ;
- no lines are obstructed.

Do not overtighten plastic fittings, as this may cause them to crack.

04. Always Prime the Pump

The pump must contain water before starting.

Fill the pump strainer basket with water and make sure the lid and gasket are properly installed.

Never operate the pump dry.

Running the pump without water can quickly damage it.

05. Check for Leaks

After starting the pump, inspect all connections.

Pay particular attention to :

- the pump lid;
- the skimmer connections;
- the pump inlet and outlet;
- the filter connections;
- the heat pump connections;
- the salt cell unions;
- the chlorinator;
- the water return.

Correct any leaks before continuing to operate the system.

06. Check for Air in the System

A significant amount of air bubbles at the water return may indicate an air leak on the suction side.

Check the following :

- the pool water level;
- the skimmer basket;
- the pump lid and gasket;
- the connections between the skimmer and the pump;
- the hose clamps.



07. Always Refer to the Manufacturers' Manuals

Hose sizes, required flow rates, installation positions, minimum clearances, electrical connections, and start-up procedures may vary depending on the brand and model.

The manufacturer's instructions for each piece of equipment always take precedence over this general guide.

IMPORTANT

Before each start-up, always check the following four items:

1. All connections are leak-free.
2. All required valves are open.
3. The pump is filled with water and properly primed.
4. The direction of water flow is correct.

A properly connected system should allow continuous water flow from the skimmer to the pump, then through the filter and any additional equipment, before returning to the pool.

Basic Installation

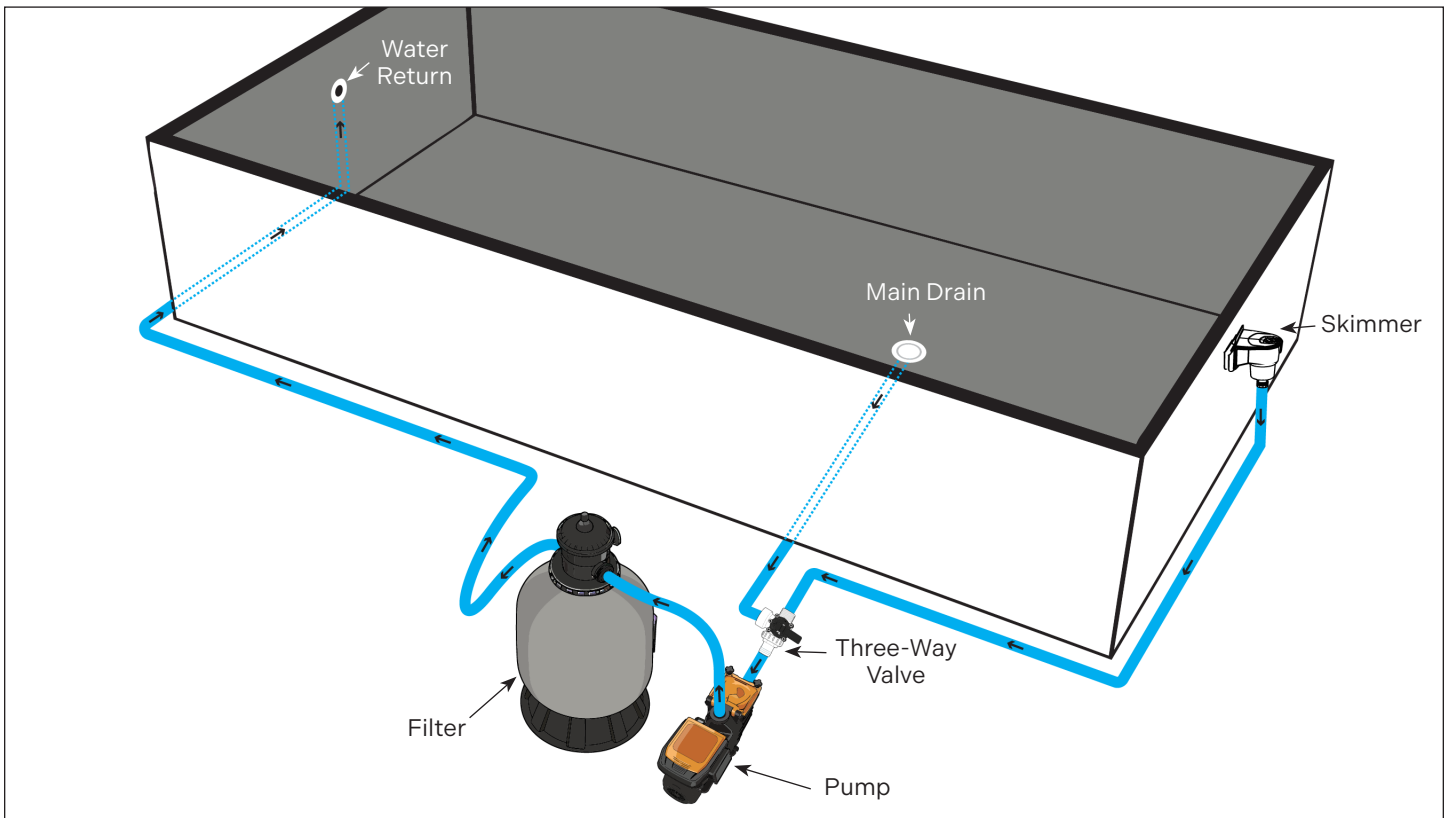


All filtration equipment must be installed on a flat, solid, and stable surface. Before beginning the installation, remove all components from their packaging and keep the pump and filter instruction manuals for reference.

A basic inground pool installation generally includes:



- 01.** Install the pump and filter on a flat, solid, and level surface in a location that is easily accessible for maintenance. Make sure the plumbing can be connected without placing excessive stress on the pipes or fittings.
- 02.** Connect the lines from the skimmer and, when present, the main drain to the pump inlet. Valves may be installed on the different lines to control or isolate each suction line. Make sure all connections on the suction side are properly sealed to prevent air leaks.
- 03.** Connect the pump outlet to the filter inlet. For a sand filter equipped with a multiport valve, connect the line from the pump to the port labeled **PUMP**. Always follow the flow direction indicated on the equipment.
- 04.** Connect the filter outlet to the lines leading to the pool's return jets. For a sand filter, use the port labeled **RETURN**. When multiple return lines are present, valves may be used to distribute or isolate the flow between the different lines.



Installation with a Heat Pump



Heat pumps may vary depending on the brand, model, capacity, and connection type. Before proceeding with the installation, always refer to the manufacturer's manual to ensure that the specific requirements for your equipment are followed.

Install the heat pump on a flat, solid, and level surface. The unit must have sufficient clearance around its air intake and exhaust areas to allow proper airflow and efficient operation. Avoid installing the heat pump in an enclosed space or in a location where the cold air discharged by the unit could be immediately drawn back in. Always follow the minimum clearance requirements specified in the manufacturer's manual.

For an installation with a heat pump (**see Figure 1**), the water must flow in the following order :



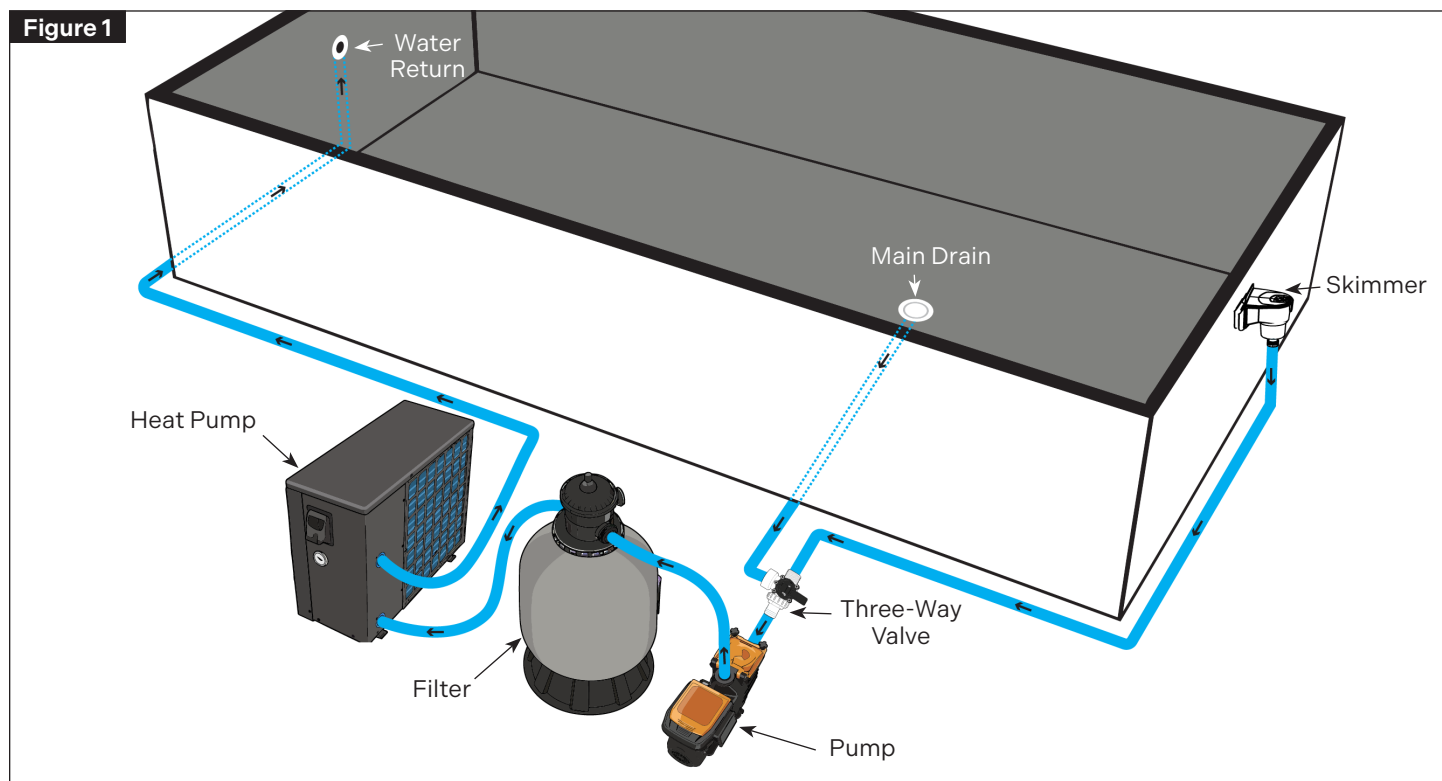
01. Connect the lines from the skimmer and, when present, the main drain to the pump inlet. Valves may be installed to control or isolate the different suction lines.

02. Connect the pump outlet to the filter inlet. For a sand filter equipped with a multiport valve, use the port labeled **PUMP**. Always follow the flow direction indicated on the equipment.

03. Connect the filter outlet to the heat pump water inlet. Locate the **IN / OUT** markings on the heat pump to ensure the correct direction of water flow. The heat pump must be installed on a flat, solid, and level surface, with sufficient clearance around the unit to ensure proper airflow.

04. Connect the heat pump outlet to the line leading to the pool's water return.

If a salt system is also installed, it should generally be positioned after the heat pump and before the pool's water return :



Installation with a Salt System



Salt systems may vary depending on the brand, model, chlorine production capacity, and connection type. Before proceeding with the installation, always refer to the manufacturer's manual to ensure that the specific requirements for your equipment are followed.

For an installation with a salt system (see Figure 1), the water must flow in the following order :



01. Connect the lines from the skimmer and, when present, the main drain to the pump inlet. Valves may be installed to control or isolate the different suction lines.

02. Connect the pump outlet to the filter inlet. For a sand filter equipped with a multiport valve, connect the line from the pump to the port labeled **PUMP**. Always follow the flow direction indicated on the equipment.

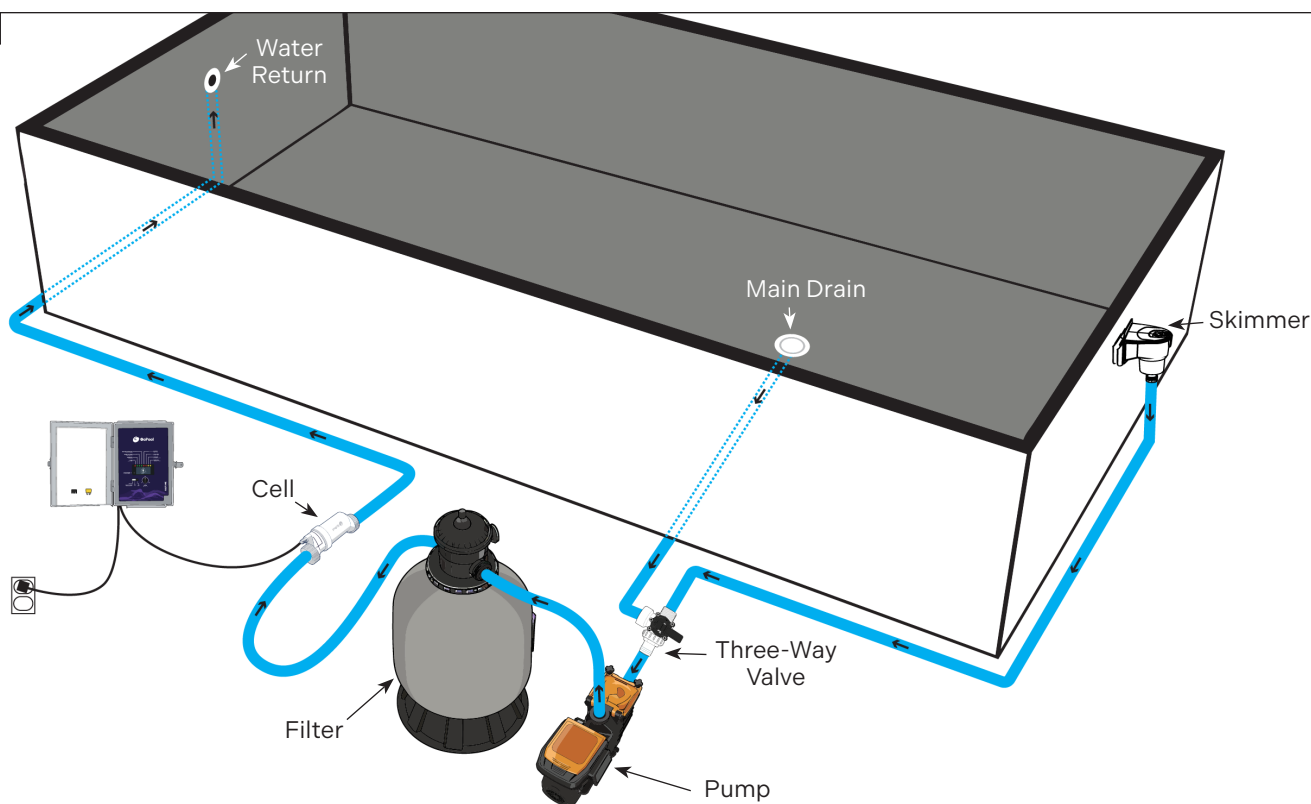
03. Connect the filter outlet to the salt cell inlet. The salt system must be installed on the return line, after the filter. Follow the flow direction arrow on the cell. The arrow must point toward the pool's water returns. Allow sufficient space around the cell to facilitate removal, inspection, and cleaning.

04. Connect the salt system outlet to the lines leading to the pool's return jets.

If the pool is equipped with a heat pump, the salt system should generally be installed after the heat pump:



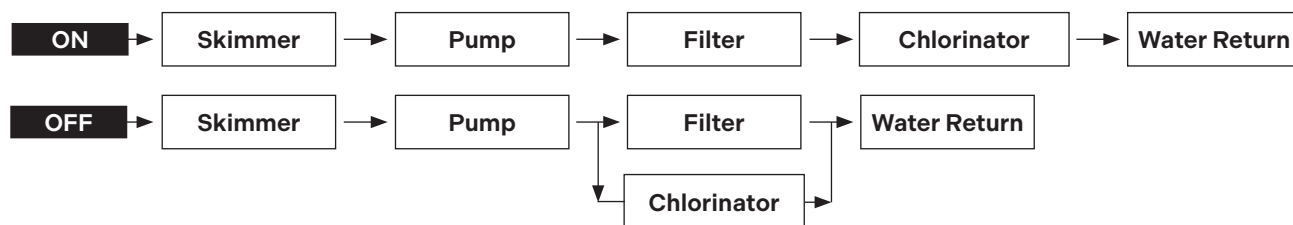
Figure 1



Installation with a Chlorinator



All filtration equipment must be installed on a flat, solid, and stable surface, near the pool and in accordance with the manufacturers' recommendations. The water must flow in the following order:



01. Connect the lines from the skimmer and, when present, the main drain to the pump inlet. Valves may be installed to control or isolate the different suction lines.

02. Connect the pump outlet to the filter inlet. For a sand filter equipped with a multiport valve, connect the line from the pump to the port labeled **PUMP**. Always follow the flow direction indicated on the equipment.

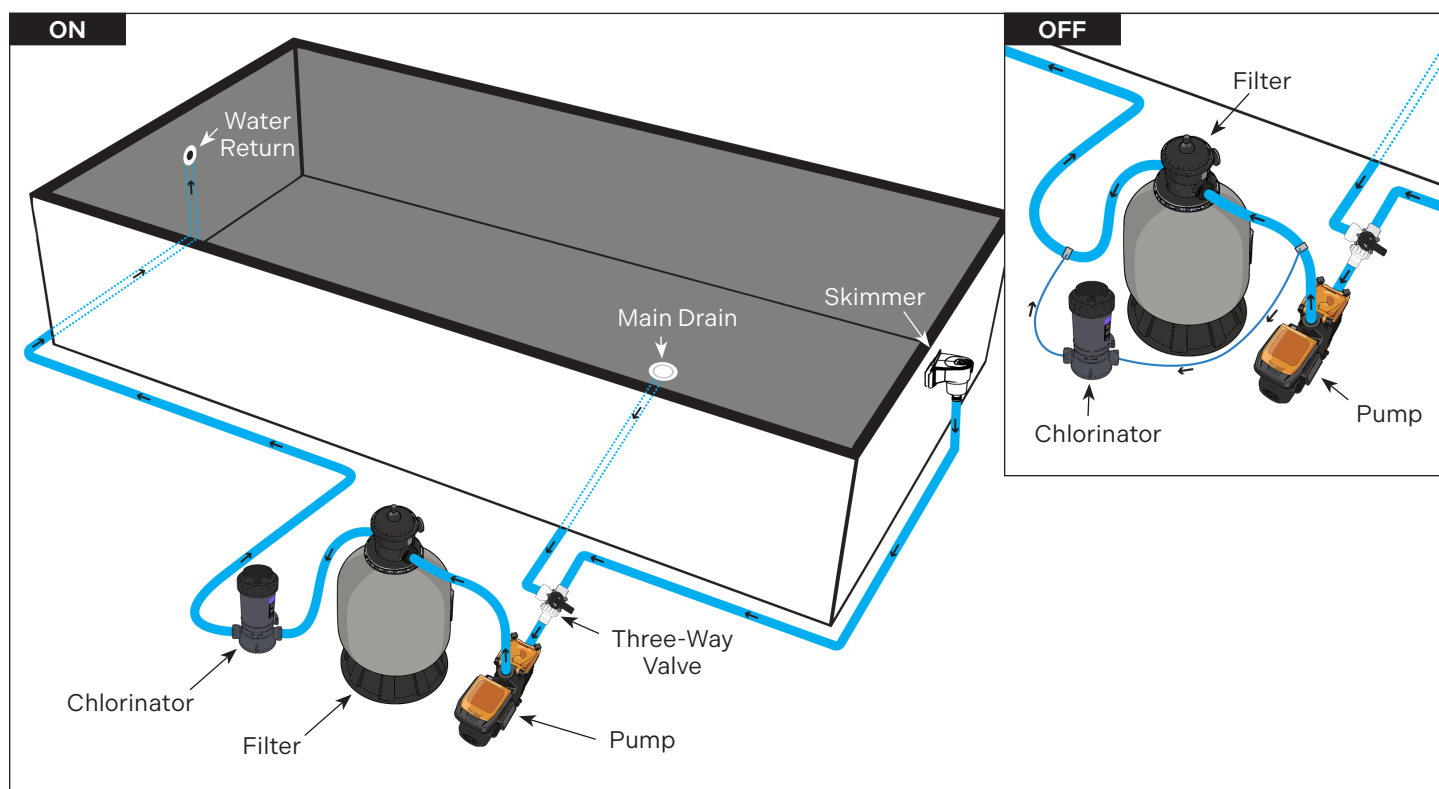
03. Connect the filter outlet to the chlorinator inlet. The chlorinator must be installed on the return line, after the filter. Follow the flow direction arrow or **IN / OUT** markings on the unit to ensure the water flows in the correct direction.

If a heat pump is installed, the recommended order is:



This configuration allows the filtered water to flow through the chlorinator before returning to the pool.

04. Connect the chlorinator outlet to the line leading to the pool's water return. Check the flow direction arrows on the chlorinator to make sure the water is flowing in the correct direction.



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