

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Rx Clear](#) /

› [Rx Clear Radiant Complete Sand Filter System 22 Inch with Extreme Force 1 1/2 HP Pump Instruction Manual](#)

Rx Clear 2772268

Rx Clear Radiant Complete Sand Filter System 22 Inch with Extreme Force 1 1/2 HP Pump Instruction Manual

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Rx Clear Radiant Complete Sand Filter System. This system is designed for above-ground swimming pools up to 26,000 gallons, ensuring clean and safe water through efficient filtration. The system includes a 22-inch filter tank, an Extreme Force 1 1/2 HP pump, a 3-foot high-pressure hose, stainless steel clamps, and backwash hose fittings.



Image: The complete Rx Clear Radiant Sand Filter System, showcasing the filter tank, pump, and connecting hoses.

Rx Clear[®]



For Pools Up To:
26,000 Gallons



220 lb Sand Capacity



Holds **4-5** Boxes of
Luster Media



1.2 HP Pump for
Above Ground Pools

Image: Visual representation of the system highlighting its key specifications: suitable for pools up to 26,000 gallons, 220 lb sand capacity, and powered by a 1.2 HP pump.

SETUP AND INSTALLATION

Careful assembly is crucial for optimal performance. Follow these steps for proper installation:

- 1. Unpacking and Component Identification:** Unpack all components and verify against the packing list. Ensure the filter tank, pump, multi-port valve, hoses, and fittings are present.
- 2. Base Assembly:** Place the universal base on a firm, level surface. Position the filter tank securely onto the base.
- 3. Sand Loading:** Remove the multi-port valve from the top of the filter tank. Cover the standpipe opening to prevent sand from entering. Carefully add approximately 220 lbs of filter sand (not included) into the tank. Ensure the sand is evenly distributed.
- 4. Multi-port Valve Installation:** Clean any sand from the tank opening and the multi-port valve O-ring. Lubricate the O-ring with a silicone-based lubricant. Carefully place the multi-port valve onto the tank, ensuring the standpipe aligns correctly with the valve's opening. Secure the valve with the provided clamp.
- 5. Pump Connection:** Position the Extreme Force pump on the base next to the filter tank. Connect the pump to the multi-port valve using the provided high-pressure hose and fittings. Ensure all connections are tight to prevent leaks.

6. **Hose Connections:** Connect the pool skimmer line to the pump's inlet. Connect the multi-port valve's 'RETURN' port to the pool's return line. Connect a backwash hose to the 'WASTE' port for draining during backwash cycles.
7. **Electrical Connection:** Ensure the pump is connected to a properly grounded electrical outlet. The pump includes a 6-foot power cord. Always follow local electrical codes and safety guidelines.
8. **Initial Startup:** Before starting the pump, ensure the pool is filled to the proper level and all valves are open. Prime the pump by filling the pump's strainer basket housing with water until it overflows. Secure the strainer lid. Set the multi-port valve to 'BACKWASH' and start the pump. Backwash for 2-3 minutes or until the water from the waste line runs clear. Then, set the valve to 'RINSE' for 30-60 seconds. Finally, set the valve to 'FILTER' for normal operation.



Image: A view of the system from the rear, illustrating the various hose connections between the pump, filter, and pool lines.

OPERATING INSTRUCTIONS

The multi-port valve controls the flow of water through the filter system. Always turn off the pump before changing the valve position.

- **FILTER:** This is the standard operating position for daily filtration. Water flows through the sand bed, trapping debris, and returns to the pool.
- **BACKWASH:** Used to clean the filter sand. Water flows in reverse through the sand bed, dislodging trapped debris, and exits through the waste port.
- **RINSE:** Used after backwashing to flush any remaining dirty water from the valve and sand bed to the waste port, ensuring clean water returns to the pool.
- **WASTE:** Bypasses the filter and sends water directly out the waste port. Useful for vacuuming heavy debris directly to waste or lowering the pool water level.
- **RECIRCULATE:** Bypasses the filter and circulates water directly back to the pool. Useful for chemical distribution without filtration.
- **CLOSED:** Shuts off all flow to the filter and pump. Use only when performing maintenance on the pump or filter.

Monitor the pressure gauge on the multi-port valve. When the pressure rises 8-10 PSI above the clean filter pressure, it indicates the filter needs backwashing.

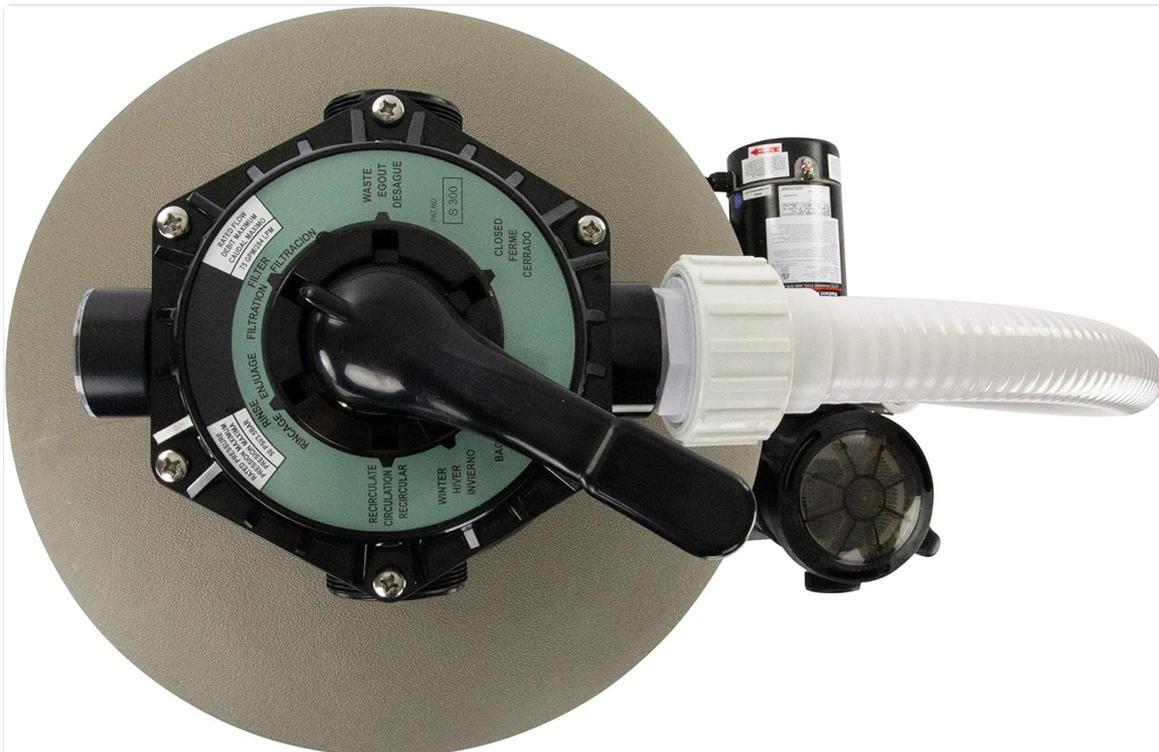


Image: A close-up view of the multi-port valve, clearly showing its handle and the labels for each of the six operational settings.

Rx Clear®



Multi-port Valve



Pressure Gauge



Sight Glass



Drain Plug

Image: Detailed view of the filter's key components, including the multi-port valve, pressure gauge for monitoring system pressure, sight glass for observing backwash water clarity, and the drain plug.

MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your filter system.

- **Backwashing:** Perform backwashing when the pressure gauge indicates a rise of 8-10 PSI above the clean operating pressure, or when water clarity diminishes. Turn off the pump, set the multi-port valve to 'BACKWASH', turn on the pump, and backwash until the sight glass shows clear water (typically 2-3 minutes). Turn off the pump.
- **Rinsing:** After backwashing, set the multi-port valve to 'RINSE'. Turn on the pump and rinse for 30-60 seconds. Turn off the pump. This step settles the sand and flushes residual dirty water.
- **Pump Strainer Basket Cleaning:** Periodically inspect and clean the pump's strainer basket. Turn off the pump, close any necessary valves, twist and remove the strainer lid, remove the basket, clear debris, and replace. Ensure the lid is securely fastened to prevent air leaks.
- **Sand Replacement:** Filter sand typically lasts 3-5 years, depending on usage and water chemistry. Replace the sand when filtration efficiency decreases despite regular backwashing.
- **Winterization:** Before freezing temperatures, drain all water from the filter tank and pump. Remove the drain plug from the bottom of the filter tank and the pump's drain plugs. Store the pump and multi-port valve in a dry, protected area.

TWIST LID



REMOVE LID



Image: A two-panel image demonstrating how to access the pump's strainer basket by twisting and removing the lid.

TROUBLESHOOTING

Refer to this section for common issues and their resolutions.

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Low water flow / Poor filtration	Clogged filter sand; dirty pump strainer basket; air leak in suction line; low water level in pool.	Backwash and rinse filter; clean pump strainer basket; check all connections for air leaks; ensure adequate pool water level.
Cloudy pool water	Insufficient filtration time; improper water chemistry; clogged filter; worn-out sand.	Increase filtration time; test and balance pool chemicals; backwash and rinse filter; consider replacing filter sand.
Water leaking from filter or pump	Loose connections; damaged O-rings/gaskets; cracked housing; improperly seated drain plug.	Tighten all connections; inspect and replace damaged O-rings/gaskets; check for cracks; ensure drain plug is securely tightened.
Pump not priming	Air leak in suction line; low water level; clogged skimmer/pump basket; pump not filled with water.	Check for air leaks; ensure adequate pool water level; clean skimmer and pump baskets; fill pump housing with water before starting.

SPECIFICATIONS

- **Brand:** Rx Clear
- **Model Number:** 2772268
- **UPC:** 635963649197
- **Capacity:** Up to 26,000 Gallons
- **Sand Capacity:** 220 lbs
- **Filter Tank Size:** 22 inches
- **Pump Horsepower:** 1 1/2 HP
- **Material:** Plastic
- **Color:** Black (Pump), Tan (Filter Tank)
- **Product Dimensions (Filter):** Approximately 21.75 x 8 x 38.7 inches
- **Item Weight:** 61.8 Pounds
- **Included Components:** 22" Filter Tank, Filter Pump, Hoses, Fittings, & Hardware
- **Indoor/Outdoor Usage:** Outdoor

Rx Clear®: 22" Radiant Filter



Image: Diagram illustrating the physical dimensions of the 22-inch Rx Clear Radiant Filter tank, including its height and width.

Rx Clear®: 1.2 HP Pump



Image: Diagram illustrating the physical dimensions of the Rx Clear 1.2 HP pump, including its length, width, and height.

WARRANTY AND SUPPORT

The Rx Clear Radiant Complete Sand Filter System comes with a **3-Year limited warranty** against manufacturer's defects for the filter tank. Filter media and hoses are sold separately and may have different warranty terms.

For technical assistance, troubleshooting, or warranty claims, please contact Rx Clear customer support through their official website or the retailer from whom the product was purchased. Ensure you have your model number (2772268) and proof of purchase available.